

The Aspen Institute Energy Policy Forum

July 2-5, 2016 - Aspen, CO

PARTICIPANT BIOGRAPHICAL INFORMATION

Lauren Azar

Attorney and Advisor, Azar Law LLC

Lauren Azar practices law in the electric industry providing business, regulatory and policy advice, as well as project development and permitting. She currently represents several utilities in permitting transmission lines, assists a technology company with market barriers in the electricity industry, guides a large investor-owned utility on how best to prepare for changing regulatory models, assists a merchant developer in pre-development activities, and advises numerous clients on both federal and state regulatory issues. In addition to her law firm, Lauren also provides services through a consulting company. Lauren served as the Sr. Advisor to the US Secretary of Energy from 2011-13, advising him on the electric industry and its institutional barriers. She also co-led negotiations among 9 federal agencies, to overhaul their evaluation of electric transmission. From 2007-11, Lauren was a Wisconsin Public Service Commissioner. She organized the states and Canadian provinces east of the Rockies and led them through planning in the Eastern Transmission Interconnection. As President of the Organization of MISO states, in 2009, Lauren initiated and chaired the planning and cost allocation for developing transmission over 13 states and 1 Canadian province.

Hannah Bascom

Head, Energy Partnerships - East, Nest Labs

Hannah Bascom is part of the Nest Labs Business Development team where she heads the East Coast region, focusing on developing Energy Efficiency, Demand Response and Customer Engagement programs for a variety of North American Energy Partners. Prior to joining Nest, Hannah worked in the utility industry for a number of years, first at Pacific Gas & Electric Company and later as part of Ernst & Young's Energy and Utilities Practice. At PG&E she held a number of roles, including leading the Customer Strategy and Planning organization and building and overseeing PG&E's energy efficiency program governance process. At EY, Hannah focused on innovation, product optimization and customer experience strategy development for utilities. She holds an MBA from the University of Chicago, Booth School of Business and a BA with Honors from Brown University.

Andy Baynes

Head, Global Energy Partnerships, Nest Labs

Andy Baynes is Head of Global Energy Partnerships at Nest Labs. Since joining Nest in 2012, Andy has built a channel of partnerships with energy, insurance and communications companies in North America and Europe. Prior to Nest, Andy was part of Apple's Product Design division where he spearheaded an industry shift that used product design for achieving environmental excellence. By 2010 Apple achieved a number of industry firsts including the elimination of toxic chemicals, the setup of free take-back and recycling programs worldwide, the integration of Life Cycle Assessment in product development, and obtaining Energy Star certification across all products. Andy received the 2010 GEELA Award for Environmental Design excellence as well as Clean Production Action's Green Chemistry Award. He resides in California with his family and holds a Master of Science in Environmental Technology from Imperial College in London.

Fred Beach**Assistant Director, Policy Studies, The University of Texas at Austin Energy Institute**

Fred Beach is the Associate Director for Energy & Technology Policy at the Energy Institute. He is responsible for supervising and conducting research and studies related to the interplay between the development of Energy Policy, Environmental Policy, and Technology Policy. Fred also teaches Energy Technology Policy and International Energy Policy in the Cockrell School of Engineering and McCombs Business School. Prior to joining The University of Texas at Austin, Fred served for twenty-five years in the United States Navy where he was a qualified Submariner, Naval Aviator, Surface Warfare Officer, and Acquisition Professional. Since retiring in 2003 he has also served as a consultant on defense-related topics for the U.S. Chief of Naval Operations Strategic Studies Group, MITRE, Naval Research Advisory Committee, Naval Research Laboratory, Defense Advanced Research Projects Agency, and the Defense Science Board. Fred holds a PhD from the LBJ School of Public Policy, University of Texas at Austin an MS in Physics from the Naval Postgraduate School, and a BA in Chemistry with a minor in Nuclear Engineering from the University of Oklahoma. He is also a graduate of the Defense Acquisition University and Certified Level III DoD Acquisition Professional and Program Manager.

Roger Berliner**Council Vice President, Montgomery County Council**

Montgomery County Councilmember Roger Berliner has been intimately involved in the intersection of energy, environment, and utility law for the past 38 years as a staffer, lawyer, and public official. As a staffer, Roger served as Director of Congressional Liaison for the Federal Energy Regulatory Commission; energy advisor and Legislative Director to U.S. Senator Howard Metzenbaum, who served on the Senate Energy & Natural Resource Committee; Senior Advisor to House Energy & Commerce Committee Chairman Henry Waxman; legislative environmental analyst for 250 members of the House Democratic Study Group; and lead energy staff for the California State Assembly Utilities & Commerce and Energy & Natural Resources Committees. As a lawyer, Roger has served a wide range of energy interests, including the Province of Alberta; the County of Los Angeles; the Los Angeles Area Chamber of Commerce; the Nevada utilities; the Sacramento Municipal Utility District; cogenerators; solar generation facilities; and the Canadian natural gas industry. As a member of the Montgomery County Council and Chair of the Council's Transportation, Infrastructure, Energy & Environment Committee, Roger is the lead sponsor of legislation that will create the first local Green Bank. Regionally, Roger currently serves as Chair of the Washington Region Council of Government's Board of Directors.

Peter Blair**Executive Director, Division on Engineering and Physical Sciences, National Academy of Sciences**

Peter Blair is Executive Director of the Division on Engineering & Physical Sciences of the National Academies of Sciences, Engineering & Medicine in Washington, DC, responsible for the program portfolio in defense, space and aerospace, energy, infrastructure, manufacturing, materials, physics, astronomy, mathematics, information technology, and telecommunications. He also directed the Academies' series of studies, America's Energy Future: Technology and Transformation. Earlier he was executive director of Sigma Xi, The Scientific Research Society, and publisher of American Scientist; served Assistant Director of the Congressional Office of Technology Assessment leading the Division of Industry, Commerce, and International Security. Earlier while serving on the University of Pennsylvania faculty he was cofounder/principal of Technicon Analytic Research, Inc., which was acquired by Reading Energy Corporation. He holds a BS in engineering from Swarthmore College and MSE, MS, and PhD. degrees from the University of Pennsylvania. He is the author, coauthor, or editor of five books and over 100 technical and policy articles in areas of energy and environmental policy, electric power systems, operations research, economic systems, regional science, and science and technology policy.

Jason Bordoff**Founding Director, Center on Global Energy Policy and Professor, Professional Practice in International Affairs and Public Affairs, Columbia University**

Jason Bordoff joined the Columbia faculty after serving until January 2013 as Special Assistant to the President and Senior Director for Energy and Climate Change on the Staff of the National Security Council, and, prior to that, holding senior policy positions on the White House's National Economic Council and Council on Environmental Quality. One of the world's top energy policy experts, he joined the Administration in April 2009. At Columbia's School of International and Public Affairs, Jason is a professor of professional practice and serves as founding Director of SIPA's Center on Global Energy Policy. Prior to joining the White House, Jason was the Policy Director of the Hamilton Project at the Brookings Institution. He is a member of the Council on Foreign Relations and the National Petroleum Council, a consultant to the National Intelligence Council, and serves on the boards of Winrock International, the New York Energy Forum and the Association of Marshall Scholars. Jason graduated with honors from Harvard Law School, holds an MLitt degree from Oxford University where he studied as a Marshall Scholar, and a BA magna cum laude and Phi Beta Kappa from Brown University.

Samuel Brothwell**Senior Analyst, Energy Income Partners LLC**

Sam Brothwell is a Senior Research Analyst covering pipeline and utility companies with Energy Income Partners, a Westport, CT-based investment advisory company with \$5.9 billion of assets under management. Previously, Sam headed utility research at Bloomberg LP and assisted in the restructuring of Salt Lake City-based Questar Corporation as Vice President, Corporate Planning and Investor Relations. From 1997-2009 Sam covered the global electricity and natural gas industries as a senior equity analyst with Wells Fargo/Wachovia Capital Markets, LLC, and Merrill Lynch in New York. Sam also followed the US and Latin American electric utilities as a credit research with Moody's Investors Service. He began his energy career as a Financial Analyst with PNM Resources in Albuquerque. Sam is a CPA, a 1983 graduate of the University of New Mexico, and has participated in the Aspen Institute's Energy forums since 2006.

Nora Mead Brownell**Co-Founder, Espy Energy Solutions LLC**

Nora Mead Brownell is co-founder and Principal of ESPY Energy Solutions, LLC and also serves on the boards of National Grid, PLC, Spectra Energy Partners, and Tegment. In May 2001, Nora was confirmed as commissioner of the Federal Energy Regulatory Commission where she served until the expiration of her term in June 2006. During her time as commissioner, Nora was an advocate for the development of regional transmission organizations, national energy infrastructure development and markets for wholesale power. Prior to her time as commissioner, she served as a member of the Pennsylvania Public Utility Commission from 1997 to 2001. She also serves on the advisory boards of Morgan Stanley Infrastructure, New World Capital, and TerViva Bioenergy. Previously, Nora served on the boards of ONCOR and Comverge. Nora is the former president of the National Association of Regulatory Utility Commissioners.

Sandra Byrd**Vice President, Arkansas Electric Cooperative Corporation**

Sandra Byrd serves as Vice President of Public Affairs & Member Services for the Arkansas Electric Cooperative Corporation. She has over 30 years of public utility regulatory and policy experience in the natural gas and electricity sectors, including serving as Chairman of the Arkansas Public Service Commission for 7 years. She has served in board and advisory positions with the Electric Power Research Institute, New Mexico State University's Center for Public Utilities, the National Association of Regulatory Utility Commissioners, and the DOE-EPA-State Energy Efficiency Action Network. She obtained her Juris Doctorate from Washington University and her BA from the University of Arkansas.

Bradley Campbell**President, 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), Bradley 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.

Martin Cohen**Energy Policy Consultant, Martin Roth Cohen & Associates**

Martin R. Cohen is a long-time national consumer advocacy and energy issues leader. He was Executive Director of the Illinois consumer advocacy agency, Citizens Utility Board (CUB), from 1990 to 2005, and he was a key negotiator and supporter of Illinois' 1997 electric industry restructuring legislation. Prior to founding his consulting firm at the end of 2007, Martin served for two years as the Director of Consumer Affairs in the office of the Illinois Governor, working on consumer protection and energy policy issues, including the 2007 Illinois Power Agency Act. Martin also served briefly as Chairman of the Illinois Commerce Commission and he was facilitator of the Illinois Statewide Smart Grid Collaborative in 2009-10. His consulting work has focused primarily on smart grid policies, carbon-free resources, and residential rate design, with clients including state agencies, environmental groups, consumer advocates and utility companies. Marty is a lifelong Chicago resident and Cubs fan, a potter, guitar player, and golfer. Despite his best efforts, his wife Myrtis and their three adult daughters have never learned to turn off the light when they leave a room.

Karin Corfee**Managing Director, Energy Practice, Navigant**

Karin Corfee is a Managing Director in Navigant's Energy Practice and is based in San Francisco, California. Her key areas of expertise include strategic planning, renewable energy, energy efficiency and distributed generation. Recently, Karin has conducted numerous high profile studies examining the impacts of distributed energy resources on the grid. Studies include the California Solar Initiative Market Transformation Studies, SASH/MASH Impact Evaluation Studies, NEM Grandfathering Analysis, Value of Solar Analysis, DG PV T&D Impact Study, the Integrated Grid Demonstration Project and two Community Solar Projects. Prior to joining Navigant, Karin was a Vice President in charge of Markets and Regulation services at KEMA. While at KEMA, he oversaw the Renewable Energy Technical Support and PIER Technical Support contracts for the CEC, representing more than \$9 M in services over six years. Karin assisted CAISO in developing its Five-Year Strategic Plan and served as a Convener on behalf of CPUC to support the development of the California Energy Efficiency Strategic Plan. Karin has an MS in Civil Engineering from Stanford University and a BS in Political Economy of Natural Resources from the University of California at Berkeley.

Mark Correll**Deputy Assistant Secretary, Environment, Safety, and Infrastructure, US Air Force**

Mark Correll, a member of the Senior Executive Service, is the Deputy Assistant Secretary of the Air Force for Environment, Safety and Occupational Health, Headquarters U.S. Air Force, Washington, D.C. He is responsible for all matters pertaining to the formulation, review and execution of plans, policies, programs and budgets for environmental, safety and occupational health programs. Mark was commissioned in the Air Force in 1981 as a graduate of the U.S. Air Force Academy, earning a degree in civil engineering. He commanded two civil engineer squadrons, a mission support group and an air base wing. He retired in 2010 in the rank of colonel, last serving as the Civil Engineer for Air Education and Training Command, Randolph Air Force Base, Texas. In that position he provided functional leadership, direction, technical guidance and support to civil engineer units at 13 bases. He was appointed to the Senior Executive Service in 2010. Mark is registered as a licensed professional engineer in the state of Texas.

Rick Counihan**Head of Energy Regulatory Affairs, Nest Labs**

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. Rick has over 25 years 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, Rick 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, Rick 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. Rick has also been Vice President at Green Mountain Energy Company, a retail energy service provider selling renewable power. Rick 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. Rick has a Bachelors degree in Economics from Pomona College and a Masters 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.

William Dickenson**Senior Policy Advisor, Resources for the Future**

William Dickenson is Senior Policy Advisor at Resources for the Future, focused on an economic analysis of proposed carbon tax structures. Bill was most recently executive managing director for Navigant Consulting, Inc., and head of the group's energy practice, a position he held from 2005 to 2013. At Navigant, he assumed the role of executive managing director of the North American Consulting Operations in 2007, with responsibilities for the business, financial, and operations segment, as well as the advisory and disputes and investigations and regulatory segments. He specializes in large antitrust, intellectual property, and commercial damages litigation.

TJ Ermoian**President, Texas Energy Aggregation**

TJ Ermoian is the founder and president of Texas Energy Aggregation. He has served as a pioneer and innovator in Texas deregulation since 2002 and today operates one of the largest privately-owned energy consulting companies in Texas. He has served in various board positions with the Texas Energy Professionals Association (TEPA) and is a new member of the National Solutions Council with the Rocky Mountain Institute. Texas Energy is also a member of the Texas Energy Manager's Assn. and the Texas Renewable Energy Industry Assn. TEA was voted #1 by the top 30 TEPA energy providers in the nation for innovation, contract negotiation, customer service and ethics. Texas Energy currently serves over 150 public schools, colleges, cities, and State of Texas clients.

Marvin Fertel**President and Chief Executive Officer, Nuclear Energy Institute**

Marv Fertel is president and chief executive officer of the Nuclear Energy Institute. He has 35 years of experience consulting for electric utilities on issues related to designing, siting, licensing and managing both fossil and nuclear plants. He has worked in executive positions with such organizations as Ebasco, Management Analysis Company and Tenera. In November 1990, he joined the U.S. Council for Energy Awareness as vice president of Technical Programs. With the formation of NEI in 1994, he became NEI's vice president of Nuclear Economics and Fuel Supply. Marvin was named senior vice president and chief nuclear officer in 2003. In that role, he was responsible for leading NEI's programs related to ensuring an effective and safety-focused regulatory process. He directed industrywide efforts to ensure adequate security is provided at nuclear power plants and to address generic technical issues related to commercial nuclear facilities. He also led NEI's activities related to the long-term management of used nuclear fuel, including achieving success in the U.S. government's program for the storage and ultimate disposal of used nuclear fuel.

Shelley Fidler**Principal, Governmental Affairs, Energy and Environmental Policy, Van Ness Feldman**

Shelley Fidler supports clients in areas as diverse as foreign trade, business strategy, government relations, innovative governance, federal funding, regulatory assistance, relationships with regulators and policy makers, thought leadership, and visibility for companies at government's highest levels, and in subject areas such as electricity, utility business models, clean air, smart grid, energy efficiency, clean diesel engines, carbon capture, innovative energy technologies, and climate change. She served six years in the Clinton White House with an additional assignment at the Department of Energy. Previously, Shelley served twenty years in the U.S. House of Representatives, finishing her Capitol Hill service as Staff Director of the Subcommittee on Energy and Power and Assistant to the Chairman for Policy on the House Committee on Energy and Commerce.

Edward Finley**Chairman, NC Utilities Commission**

Chairman Finley was born in North Wilkesboro, North Carolina. He holds a Bachelor of Arts degree in history from the University of North Carolina at Chapel Hill and a Juris Doctor from the University of North Carolina School of Law. Between 1974 and 2007 he practiced law in Raleigh, North Carolina, with the firm of Joyner & Howison (1974-1980) and the firm of Hunton & Williams (1980-2007), after merger of the two firms. His primary area of practice was public utility regulation. Governor Easley appointed Edward to the Commission on January 23, 2007, to fill a term that expired on June 30, 2011. Governor Perdue reappointed Edward to the Commission effective July 1, 2011, for a term that expires on June 30, 2019. Governor Easley appointed Edward as Chairman of the Commission on April 10, 2007, to fill a Chair term that expired on June 30, 2009. Governor Perdue reappointed Edward as Chairman effective July 1, 2009, for a Chair term that expired on June 30, 2013. Governor McCrory reappointed Edward as Chairman effective July 1, 2013, for a chair term that expires on June 30, 2017. Edward is active in community and civic affairs. He and his wife, Ginger, have two sons.

Emily Fisher**Deputy General Counsel, Energy and Climate, Edison Electric Institute**

Emily Sanford Fisher is the Deputy General Counsel, Energy & Climate, for the Edison Electric Institute. EEI is the trade association that represents all domestic investor-owned electric utilities. Her primary areas of responsibility include energy and environmental regulation, with a focus on climate change, air quality, electric vehicles and energy efficiency. She directs EEI's response to the Environmental Protection Agency's rulemakings to reduce carbon dioxide emissions from the power sector. Prior to joining EEI in 2008, Emily was a Foreign Service Officer with the U.S. Department of State. She served at the U.S. Embassies in Bangkok, Thailand and Bogotá, Colombia. Emily is 2014-2016 Co-Chair of the American Bar Association's Committee on Climate Change, Sustainable Development and Ecosystems and legal counsel to the Women's Energy Resource Council. Emily is married to Justin S. Fisher. They live in Washington, D.C. with their son, Bennet.

Laurie Fitch**Managing Director, Morgan Stanley**

Laurie Fitch is the co-head of Morgan Stanley's Global Industrials Group, based in London, where she advises a number of European and US industrials and utilities on strategy, M&A and capital markets communication. Prior to joining Morgan Stanley in 2012, Laurie was an institutional investor for most of her career. Most recently, she was a partner at Artisan Partners LP, where she specialized in global utilities, infrastructure and industrials investing. Before that, she was a utilities and infrastructure analyst and portfolio manager at TIAA-CREF, where she also served as European Director of Research. Laurie currently serves as Chairman of the Advisory Board of Georgetown University's Center for Contemporary Arab Studies, and was recently appointed to the Finance & Operations and Audit subcommittees of the Tate. She has a BA in Arabic and an MA from Georgetown's School of Foreign Service.

Michael Fitzpatrick**Senior Counsel and Head, Regulatory Advocacy, GE**

Michael Fitzpatrick currently serves as Head of Regulatory Advocacy and Senior Counsel for Government and Regulatory Affairs for General Electric Company. He previously served as the Associate Administrator of the Office of Management and Budget's Office of Information and Regulatory Affairs (OIRA), where as the number 2 policy official he helped lead the development of regulatory policy and White House review of significant Executive Branch regulatory actions. He served as the Executive Branch liaison to the ABA's Administrative Law Section and has led several U.S. delegations abroad for meetings with the European Union, Mexico and Canada. In 2009, President Obama appointed Michael to the Governing Council of the Administrative Conference of the United States (ACUS). During the Obama Presidential Transition, Michael served as deputy lead of the Executive Office of the President and Government Operations Agency Review Teams. From 2001 to 2009, Michael was in the Washington, DC office of Akin Gump Strauss Hauer & Feld LLP, where he was a partner in the Litigation Practice Group, specializing in white collar, complex civil, and regulatory matters. Before joining Akin Gump, Michael served as an Assistant United States Attorney in Washington, DC, and as a Senior Advisor to the Administrator of OIRA during the Clinton Administration. Michael clerked for Judge William Norris on the U.S. Court of Appeals for the Ninth Circuit after graduating from Stanford Law School.

Julio Friedmann**Senior Advisor, Energy Innovation, Lawrence Livermore National Laboratory**

Dr. Julio Friedmann is a senior advisor at the Lawrence Livermore National Laboratory, where he serves as the Lab's chief expert in energy technologies and systems. He recently served as Principal Deputy Assistant Secretary for the Office of Fossil Energy at the Department of Energy. His portfolio includes R&D and programs in Clean Coal and Carbon Management, Oil and Gas systems, international engagements in clean fossil energy, and inter-agency engagements within the US government. Previously he held the position of Deputy Assistant Secretary for Clean Coal and Carbon Management, Office of Fossil Energy. He was responsible for DOE's R&D program in advanced fossil energy systems, large demonstration projects, carbon capture, utilization, and storage (CCUS), and clean coal deployment. Julio is one of the most widely known and authoritative experts in the U.S. on carbon capture and sequestration. Julio received his Bachelor of Science and Master of Science degrees from the Massachusetts Institute of Technology (MIT), followed by a PhD in Geology at the University of Southern California. After graduation, he worked for five years as a senior research scientist in Houston, first at Exxon and later ExxonMobil. He next worked as a research scientist at the University of Maryland, then at LLNL for over 12 years.

Jeff Gleeson**Head, Energy Partnerships - West, Nest Labs**

Jeff Gleeson is the head of west coast energy partnerships at Nest Labs, where he works with utility partners to develop customer-focused energy programs that leverage Nest products. Prior to joining Nest, Jeff was a leader in PG&E's Customer Energy Solutions team, with responsibility for the delivery of key products and programs in PG&E's energy efficiency portfolio. Jeff holds a BS in Civil Engineering from Cal Poly San Luis Obispo and an MBA from UC Davis, where he was a graduate student researcher for the Energy Efficiency Center. Together with his wife and brand new daughter, Jeff resides in San Francisco.

Paula Gold-Williams

Interim Chief Executive Officer, CPS Energy

Paula Gold-Williams was named Interim President & Chief Executive Officer in November 2015. Prior to this appointment, she served as Group Executive Vice President - Financial & Administrative Services, Chief Financial Officer (CFO) & Treasurer, managing finances for the nation's largest gas and electric municipal utility. Paula has served as CPS Energy's CFO since 2008. She also has served in other capacities such as chief administrative officer and controller. Paula joined CPS Energy in 2004 after holding various positions in several San Antonio businesses, including regional controller for Time-Warner Cable and vice president of finance for Luby's, Inc. Paula is a Certified Public Accountant and a Chartered Global Management Accountant. She earned an Associate of Fine Arts degree from San Antonio College, a Bachelor of Business Administration, with a concentration in Accounting from St. Mary's University, and a Master of Business Administration, in Finance & Accounting from Regis University.

Dave Grossman**Principal, Green Light Group (*Rapporteur*)**

Dave Grossman is the principal of Green Light Group, a consulting practice specializing in research, analysis, writing, and strategy on sustainability issues, with a particular focus on climate change and clean energy. In his consulting, Dave has helped numerous clients – including non-profits, philanthropic foundations, trade associations, corporations, and intergovernmental organizations – transform complex concepts and processes into logical, organized, and clear results. Dave has been studying and working in environmental policy, politics, law, and organizing since the mid-1990s. Prior to founding Green Light in 2006, he managed projects for the International Network for Environmental Compliance and Enforcement (INECE), worked in the 2004 presidential campaign cycle, served as a law clerk for the Chief Justice of the Alaska Supreme Court, and was a grassroots organizer on endangered species and fisheries issues with the National Audubon Society (through Green Corps). In addition to numerous reports and other publications produced through his consulting, Dave has also published on topics such as the feasibility of tort-based climate change litigation and theories of why states and firms comply with law. He graduated summa cum laude from Princeton University with a degree in Politics and received his law degree from Yale Law School.

Jeff Guldner**Senior Vice President, Arizona Public Service**

Jeff Guldner is senior vice president, public policy, for Arizona Public Service Company (APS). Based in Phoenix, APS is Arizona's largest electric company and serves nearly 1.2 million customers across the state. Jeff is responsible for leading the company's regulatory and government affairs activities at the local, state and federal levels. Prior to joining APS in 2004, Jeff was a partner in the Phoenix office of Snell & Wilmer LLP where he practiced public utility, telecommunications and energy law. His practice focused primarily on utility rate and regulatory matters, including rate cases, power plant and transmission line siting, complex energy project finance and utility mergers. Jeff actively serves on community boards including the Morrison Institute for Public Policy, the Partnership for Economic Innovation, the East Valley Partnership and the Arizona Theatre Company. Jeff earned a juris doctor degree, magna cum laude, from the Arizona State University College of Law and a Bachelor of Arts degree from the University of Iowa.

Brian Gutknecht

Chief Marketing Officer, GE Power

Brian Gutknecht is the Chief Marketing Officer for GE Power, leading market intelligence, strategy, branding and digital customer engagement. Brian has more than 25 years with GE, all in the energy space. Before assuming his current position in January 2016, Brian served as the Product Marketing General Manager for the Gas Power Systems business within GE Power. Throughout his career with GE, Brian has held a variety of roles in Application Engineering, Sales and Commercial Operations, Pricing and Marketing. Brian holds a BS degree in Mechanical Engineering from Clarkson University and an MBA from the State University of New York at Albany. He and his wife Julie have three children and reside in Guilderland, NY.

Gary Guzy**Senior Of Counsel, Covington & Burling LLP**

Gary S. Guzy brings more than three decades of experience in environmental law, regulation, and public policy through his leadership in government, business, and academia. He provides counsel on emerging trends in environmental law and is known for bringing together diverse groups and resolving challenging public policy controversies through his close work with industry and environmental community leaders. Gary serves as Senior of Counsel at Covington & Burling LLP, where he co-chairs the firm's Clean Energy Practice and practices with the Public Policy and Government Affairs and Environmental Practice Groups. He recently served as Deputy Director and General Counsel of the White House Council on Environmental Quality. In this position, he helped develop and guide the Obama administration's environmental, public health, and clean energy agenda, bringing business insights to government policy and coordinating policy across government agencies. For example, he spearheaded negotiations that achieved the Obama administration's historic agreement to double motor vehicle fuel efficiency standards and significantly cut greenhouse gas emissions through the year 2025 with the support of automobile manufacturers, states, labor unions, environmental and consumer groups, and Congress. Gary also led CEQ's efforts to modernize the National Environmental Policy Act. Gary also served as the General Counsel of the U.S. Environmental Protection Agency during the Clinton Administration, and as the General Counsel, Senior Vice President and Corporate Secretary of environmental markets company, APX, Inc., and previously as a Senior Attorney with the U.S. Department of Justice's Environment and Natural Resources Division. Education: Cornell Law School, J.D., 1982 (cum laude). Cornell University, BA, 1979 (magna cum laude).

Julia Hamm**President and Chief Executive Officer, Smart Electric Power Alliance**

Julia Hamm has more than 15 years of experience advising and collaborating with utilities, manufacturers and government agencies on renewable energy and energy efficiency strategies and programs. The knowledge and experience she has gained as the President and CEO of SEPA since 2004 makes her one of the world's foremost experts on the nexus between utilities and distributed energy. Julia guides and oversees all of SEPA's research, education, and collaboration activities for its 1,000 member companies. She has expertise on the business models and programs of utilities throughout the U.S., as well as utilities in Europe and Asia. Prior to joining SEPA, Julia worked for ICF International where she supported EPA's implementation of the ENERGY STAR program. Julia - a graduate of Cornell University - walks the talk, living in a PV powered energy efficient home in Northern Virginia.

Bryan Hannegan

Associate Lab Director, Energy Systems Integration, National Renewable Energy Lab

Dr. Bryan Hannegan is the Associate Director for Energy Systems Integration at the National Renewable Energy Laboratory, the U.S. Department of Energy's primary national laboratory for energy efficiency and renewable energy research and development. In this role, he leads NREL's global initiative to optimize links between electricity, fuel, thermal, water, and communication networks in order to enable a more sustainable society. Prior to joining NREL, Bryan held several research leadership positions in fossil energy, renewable energy, and environmental science and technology at the Electric Power Research Institute, the non-profit R&D arm of the electric power industry. Earlier in his career, Bryan served as a senior energy advisor to President George W. Bush in staff positions for the Council on Environmental Quality and the National Economic Council, and he has also served as a staff scientist for the U.S. Senate Committee on Energy and Natural Resources. Bryan holds a Doctorate in earth system science and a Master of Science in engineering, both from the University of California, Irvine, and he also holds a Bachelor of Science in meteorology from the University of Oklahoma.

Marilu Hastings**Vice President, Sustainability Program, Cynthia and George Mitchell Foundation**

Marilu Hastings is Vice President of Sustainability Programs for the Cynthia and George Mitchell Foundation in Austin. Current programs include clean energy, shale sustainability, water, and sustainability education. She has a 25-year career specializing in the interaction of science, public policy, and philanthropic investment as they relate to environmental decisionmaking. Marilu convenes high-profile, collaborative efforts to promote Texas's transition to sustainability, including initiatives to modernize its oil & gas regulations, address ongoing drought, and adopt clean energy policies. She is also a sought-after strategic and organizational-development advisor to non-profit organizations, foundations, and academic organizations. Prior to moving to the foundation, Marilu held leadership positions from 1996 to 2008 at the Houston Advanced Research Center, a non-profit research organization founded by George P. Mitchell. Her work focused on enhancing the integration of social sciences into environmental decision-making. She analyzed the dynamics of environmental decision-making within the oil & gas industry, especially in sensitive and remote environments. Marilu earned a Bachelor of Arts in economics and political science from Duke University, an MBA from the University of Texas at Austin, and a Master of Public Affairs from the University of Texas at Austin. She is an advisor or board member for numerous scientific and academic organizations around the country.

Stuart Hemphill**Senior Vice President, Power Supply and Operational Services, Southern California Edison**

As senior vice president of Power Supply and Operational Services at Southern California Edison (SCE), Stuart Hemphill is responsible for overseeing the development and operation of the company's hydroelectric, solar, and natural gas generating plants; the procurement of conventional and renewable power contracts; and the planning, management, and dispatch of SCE's overall resource portfolio. He is also responsible for supply chain, supplier diversity, corporate real estate, logistics, warehousing, and transportation services. Previously, Stuart was acting chief financial officer of SCE in addition to these duties. He also held positions of senior vice president of Power Supply, senior vice president of Power Procurement, and vice president of Renewable and Alternative Power. He held management positions at Edison International and SCE in the strategic planning, resource planning, and business development organizations. Stuart serves on the Boards of the California Power Exchange, The Huntington Library, and AbilityFirst. Stuart earned an MBA at California State Polytechnic University, Pomona, and a bachelor's degree in electrical engineering at California State University, Fullerton.

Kevin Hulbert

Senior Advisor, Dentons US LLP

During a distinguished career in the Central Intelligence Agency (CIA), Kevin Hulbert held a variety of high level jobs, becoming an expert on counterterrorism, counter proliferation, HUMINT, cyber security, covert action, and non-traditional operations. Kevin led a wide assortment of complex operations worldwide and he led some of the Agency's most complex counterterrorism operations abroad. Kevin's years in the intelligence community dealing with complex and multifaceted issues have left him well positioned to advise clients and to provide solutions on complicated issues that affect the bottom line. He is fluent in Spanish and holds current Top Secret/SCI clearances with full background investigation and polygraph. In 1988, he received his Masters in Business Administration from Georgetown University, where he also served as Class President.

Val Jensen**Senior Vice President, Customer, ComEd**

Val Jensen is currently responsible for directing all customer-facing programs and services for ComEd's 4 million electric customers. Val also leads the Company's Utility of the Future strategy and an Exelon-wide consumer services innovation initiative. Val formerly led ICF International's San Francisco office and worked for the U.S. Department of Energy.

John Jimison**Managing Director, Energy Future Coalition**

John Jimison is Managing Director of the Energy Future Coalition, a group seeking consensus solutions to US energy policy dilemmas. Until 2011, John was Senior Counsel to the Energy and Commerce Committee of the U.S. House of Representatives, advising Chairman Henry Waxman and the committee's other members on a range of energy issues. His responsibilities included energy efficiency, regulatory matters, natural gas, and electric grid modernization. He was a principal House staff counsel on the energy-related provisions of the American Recovery and Revitalization Act of 2009, the energy efficiency and electric-grid provisions of the Energy Independence and Security Act of 2007, and numerous other House-passed energy-related bills. John practiced energy and regulatory law from 1987 through 2006 in Federal and state forums on natural gas and electric utility matters. From 1982-1985, he was Principal Administrator at the International Energy Agency in Paris, France, responsible for electricity and natural gas policy and analysis, as well as country expert for Spain and Australia. During the period from 1972 through 1981 he held several positions on Capitol Hill, including Counsel to the Energy and Commerce Committee, Head of the Energy Section of the Congressional Research Service (Library of Congress), and Professional Staff to the Senate Commerce Committee. He graduated from the College of Wooster and Georgetown University Law Center.

Patrick Jobin

Director, Senior Equity Research Analyst, Renewables and Alternative Energy, Credit Suisse

Patrick Jobin is a Director of Credit Suisse in the Investment Banking division, based in New York. Patrick is responsible for the firm's equity research coverage of the Renewable and Alternative Energy sectors, including solar energy and other disruptive clean technologies. Patrick has been recognized for his analytical work by Institutional Investor magazine, having been voted as the top Alternative Energy analyst in the 2015 Institutional Investor All-America Research team survey. Patrick previously ranked third in the 2014 Institutional Investor survey. He currently covers approximately 16 companies in addition to his macro renewable energy sector coverage responsibilities. Patrick has focused on disruptive energy technologies since 2008, including solar energy, smart grid, storage, biofuels, biochemical and other disruptive clean technology subsectors. Patrick previously spent time within the Quantitative Equity Research group starting in 2006. Patrick graduated summa cum laude from New York University's Stern School of Business and is based in New York.

Erbin Keith**Vice President and General Counsel, San Diego Gas & Electric**

Erbin Keith is senior vice president and general counsel for San Diego Gas & Electric. Erbin is responsible for all legal affairs, regulatory affairs and enterprise risk management. Erbin holds a law degree from South Texas College of Law and a bachelor's degree in mechanical engineering from the University of Texas. He is a licensed professional engineer and a member of the Texas and California state bars. Erbin was selected as "Energy Professional of the Year" in 2001 by the Association of Energy Engineers and was appointed to the Department of Energy's first Federal Energy Management Advisory Committee.

Cheryl LaFleur**Commissioner, Federal Energy Regulatory Commission**

Commissioner Cheryl A. LaFleur was first nominated by President Barack Obama to the Federal Energy Regulatory Commission in 2010 and was confirmed for a second term by the Senate in 2014. She served as Acting Chairman of the Commission from November 2013 to July 2014 and as Chairman from July 2014 until April 2015. Prior to joining the Commission in 2010, Cheryl had more than 20 years' experience as a leader in the electric and natural gas industry. She served as executive vice president and acting CEO of National Grid USA, responsible for the delivery of electricity to 3.4 million customers in the Northeast. Her previous positions at National Grid USA and its predecessor New England Electric System included chief operating officer, president of the New England distribution companies and general counsel. Earlier in her career, she was responsible for leading award-winning conservation and demand response programs for customers. Cheryl was named woman of the Year by the Women's Council on Energy and the Environment in 2015. In 2014, the Northeast Energy and Commerce Association presented her with its Vanguard Award for her long-time leadership in the development of competitive power markets. She received a Bipartisan Congressional Award in 2013 for her work on grid reliability. She has also been honored by the Greater Boston Chamber of Commerce and the YWCA of Central Massachusetts, among others. Commissioner Cheryl began her career as an attorney at Ropes and Gray in Boston. She has a J.D. from Harvard Law School, where she was an editor of the Harvard Law Review, and an AB from Princeton University.

Mary Landrieu

Senior Policy Advisor, Van Ness Feldman

Senator Mary Landrieu started her career in public service in 1979, when she was elected to the Louisiana State Legislature, at the age of 23, the youngest woman to ever be elected. For eight years, she successfully championed causes related to women and children, flood protection, and education reform. In 1987, she was elected State Treasurer, and served with distinction for two terms. Strong fiscal management, pension fund diversification, debt limitation, and the creation of the first ever-municipal investment fund, now valued at over \$2 billion, are some of her noteworthy accomplishments. She was elected to the United States Senate in the fall of 1996, and became the first woman from Louisiana elected to serve a full term in the United States Senate. As a member of the Armed Services Committee, the Appropriations Committee, Chairwoman of the Small Business Committee, and Chairwoman of the Energy and Natural Resources Committee, she became known as a tireless advocate for her home state of Louisiana. Mary is now a Senior Policy Advisor for Van Ness Feldman, located in Washington, DC. She serves on several corporate and non-profit boards, including CenturyLink, Inc., The National Court Appointed Special Advocate (CASA) Association, the National Association of Public Charter Schools (NAPCS), and the United States Energy Security Council (USESC). Mary is a graduate of Louisiana State University and a native of New Orleans, Louisiana. She has been married to Frank Snellings for 28 years. They have two children and one grandchild. They currently reside in Washington, D.C.

Amory Lovins**Co-Founder and Chief Scientist, Rocky Mountain Institute**

Physicist Amory Lovins is cofounder and Chief Scientist of Rocky Mountain Institute (www.rmi.org); an integrative designer of superefficient buildings, factories, and vehicles; energy advisor to major firms and governments in ~65 countries for 40+ years; author of 31 books and over 520 papers; and recipient of the Blue Planet, Volvo, Zayed, Onassis, Nissan, Shingo, and Mitchell Prizes, MacArthur and Ashoka Fellowships, 12 honorary doctorates, and the National Design, Heinz, Lindbergh, Right Livelihood, and World Technology Awards. A Harvard and Oxford dropout, former Oxford don, honorary architect, and Swedish engineering academician, he has taught at ten universities, most recently Stanford and (currently) the Naval Postgraduate School. He is a member of the National Petroleum Council and an advisor to the Chief of Naval Operations. In 2009, Time named him one of the world's 100 most influential people, and Foreign Policy, one of the 100 top global thinkers.

Philip Mezey**President and Chief Executive Officer, Itron, Inc.**

Philip Mezey was appointed president and chief executive officer and named to Itron's board of directors on January 1, 2013. Philip 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, Philip 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, Philip was a founding member and served 12 years with Indus, a provider of integrated asset and customer management software. Philip earned his BA degree in history from the University of California, Berkeley.

David Monsma

Executive Director, Energy and Environment Program, The Aspen Institute

David Monsma is Executive Director of the Aspen Institute's Energy and Environment Program. The Institute's Energy and Environment Program work includes three annual energy policy forums: The Aspen Institute Energy Policy Forum, the Global Forum on Energy, Economy and Security, and the Clean Energy Forum. The program also convenes, and David moderates, policy-testing dialogues including Aspen's Food Security Strategy Group; the India-US Track II Dialogue on Energy and Climate Change; the Aspen Ocean Community Dialogue; and the Texas Natural Gas Regulatory Modernization Dialogue, as well as various other dialogues, seminars and the Catto Fellowship. An attorney by training, David has over 20 years of experience in environmental law and policy. He taught law and ethics at Loyola University in Maryland and served as director of business and environment at Business for Social Responsibility in San Francisco where he led BSR's Clean Cargo initiative and the Green Power Market Development Group with WRI. During the Clinton Administration, David was the environmental management task force coordinator for the President's Council on Sustainable Development (PCSD) and, prior to this, led a toxics use reduction and citizen's suit enforcement campaign in Maryland for the Environmental Action Foundation. David began his legal career as a program attorney in the Office of Toxics Substances at the Environmental Protection Agency headquarters in Washington, DC.

Jay Morrison**Vice President, Regulatory Affairs, National Rural Electric Cooperative Association**

Jay Morrison leads the Regulatory Issues Unit of NRECA's Government Relations Department, where he works with a staff of professionals representing NRECA and its members on matters relating to federal and state utility regulation, power supply and delivery. Since joining NRECA in 1998, Jay has worked extensively on issues relating to wholesale market design, power supply and delivery, industry restructuring, renewable energy, energy efficiency, distributed generation, and the smart grid. In 1993, Jay earned his MPP, from the John F. Kennedy School of Government and his JD, magna cum laude, from Harvard Law School where he served on the Harvard Law Review. Jay earned his BA summa cum laude from UCLA in 1989. Jay has also clerked for the Honorable A. Raymond Randolph on the D.C. Circuit, served as counsel to the U.S. Senate Committee on Labor and Human Resources, and represented cooperatives and other clients before the Federal Energy Regulatory Commission, Congress, and the courts with the firm of Paul, Hastings, Janofsky & Walker. Jay is active with the Energy Bar Association where he presently serves as a "Dean" for the primer program, the Energy Law Journal for which he is an editor, and the American Bar Association Public Utility, Communications, and Transportation Section for which he is a member of the Council and a vice-chair of the electricity committee.

Robert Mudge

Chief Operating Officer and Principal, The Brattle Group

Robert Mudge is an expert in corporate and project finance matters in the energy industry. He has advised energy clients on issues relating to corporate restructuring, contract terminations or amendments, special capital needs, and acquisitions and divestitures. He also has experience in analyzing contractual, regulatory, financing, and tax matters, and projecting effects on cash flows, earnings, and customer rates. Robert currently serves as Chief Operating Officer of The Brattle Group. Prior to joining the firm, he was a principal at CRA International, where he focused on financial restructuring initiatives for electric utility clients and consulted on matters involving rate design, asset valuation, and project finance structuring and credit requirements. He has provided expert testimony in proceedings before federal and state courts, utility regulators in the U.S. and Canada, and state environmental regulators, as well as in connection with mediation and arbitration proceedings. As a former investment and commercial banker at Rothschild, ABN AMRO, and Sanwa Bank, he played a central role in developing financeable contract structures for large public and private infrastructure projects, utility mergers and acquisitions, bankruptcy restructuring, and numerous power project financings. He has also served on the advisory board of a start-up venture focused on the acquisition, development, and operation of renewable fuel generation projects and has served as a guest expert for courses on project finance at Georgetown Law School.

Peter Muhoro**Director, Energy Research and Strategies, Pedernales Electric Cooperative**

Peter Muhoro is the Director of Energy Research and Strategies at Pedernales Electric Cooperative (PEC), the largest electric distribution cooperative in the United States. Peter works to strategize on the implementation of advanced cutting-edge, cost-saving technologies while keeping rates affordable for the members. Prior to PEC, Peter served as an Advisor at the Cooperative Research Network, the technology research arm of the National Rural Electric Cooperative Association. He previously launched several small businesses focused on bottom of the pyramid issues and poverty reduction through electricity access. He is a sought after speaker both on the national and international arena. Peter holds a PhD in Applied Physics from the University of Michigan.

Richard Munson**Director, Midwest Clean Energy, Environmental Defense Fund**

Dick Munson is EDF's Director, Midwest Clean Energy, where he works to advance the use of clean energy in Illinois, Ohio, and Pennsylvania. Dick currently focuses on creating new financing opportunities for efficiency, on ensuring smart meters provide the real-time data that will enable consumers to cut energy and pollution, and on building the business case for efficiency within commercial buildings. Dick, author of "From Edison to Enron," is Midwest director, clean energy, for the Environmental Defense Fund. Dick previously served as the Senior Vice President of Recycled Energy Development. He is also the author of From Edison to Enron, a history of the electricity industry, and sits on the boards of Center for Neighborhood Technology, Greenleaf Advisors, Institute for Health Policy Solutions, Elevate Energy and Illinois Environmental Council. Dick has an MA from the University of Michigan; BA from University of California, Santa Barbara.

Richard Newell

Gendell Professor of Energy and Environmental Economics, Duke University; President-elect, Resources for the Future

Richard G. Newell is the President-elect of Resources for the Future (RFF), where he will begin September 1, 2016. He is the Gendell Professor of Energy and Environmental Economics at Duke University, the Director of the Energy Data Analytics Lab, and was the Founding Director of Duke's Energy Initiative. Richard is the former Administrator of the U.S. Energy Information Administration, the agency responsible for official U.S. government energy statistics and analysis. He also served as the Senior Economist for energy and environment on the President's Council of Economic Advisors, prior to which he was a Senior Fellow at RFF. Richard has published widely on the economics of markets and policies for energy and the environment, particularly issues surrounding global climate change, energy efficiency, and energy innovation. He is a Research Associate of the National Bureau of Economic Research and a member of the Board of Directors of RFF. He has provided expert advice to many institutions, such as the National Academy of Sciences, the Intergovernmental Panel on Climate Change, the International Energy Forum, the National Petroleum Council, and KAPSARC. Richard holds a PhD from Harvard University and a M.P.A. from Princeton's Woodrow Wilson School.

Diarmuid O'Connell

Vice President, Business Development, Tesla Motors

Diarmuid O'Connell joined Tesla in 2006, and currently serves as the Vice President of Business Development in which capacity he manages commercial relationships and all aspects of government affairs. Before joining Tesla, Diarmuid served as Chief of Staff for Political Military Affairs at the US State Department, where he was involved in policy and operational support to the U.S. military in various theaters of operation. Before his tenure in Washington, Diarmuid worked in corporate strategy as a management consultant for Accenture, as a founder of educational software developer, Real Time Learning, and as a senior executive with both McCann Erickson Worldwide and Young and Rubicam. Over the course of his career, he has managed international operations, projects and marketing for such brands as Coca Cola, Gillette, and AT&T, among others. Diarmuid has earned a bachelor's degree from Dartmouth College, a master's degree in Foreign Policy from the University of Virginia, and an MBA from Kellogg.

Marvin Odum

Chairman and President, Shell Oil Company, (through April, 2016)

Marvin Odum served as the Chairman and President of Shell Oil Company until April 1, 2016 and, concurrently, Upstream Americas Director of Royal Dutch Shell plc from July 1, 2009, during a period of unprecedented growth for the company. He joined Shell as an engineer in 1982 and held a variety of management positions in technical and commercial operations across multiple business areas, including Chief Executive Officer at InterGen, Inc; Executive Vice President for Exploration and Productions in the Americas; and Director of Americas Shell Gas and Power. He was chairman of the board of Aera Energy from 2005 to 2009 and chairman of the board of Shell Canada Ltd from 2009 to 2014. Marvin is a member of the Council on Foreign Relations; Board member of the National Urban League; Dean's Council member of the Harvard Kennedy School of Government; Executive Committee member of the World Business Council for Sustainable Development; and Board of Visitors member of both the University of Houston and the M.D. Anderson Cancer Center University Cancer Foundation. He earned an MBA from the University of Houston, and a BS in Mechanical Engineering from the University of Texas.

Bob Perciasepe

President, Center for Climate and Energy Solutions

Bob Perciasepe is President of the Center for Climate and Energy Solutions. Bob has been an environmental policy leader in and outside government for more than 30 years, most recently as Deputy Administrator of the U.S. Environmental Protection Agency. Bob has served as Senior Vice President for Public Policy and CEO of the National Audubon Society, one of the nation's oldest conservation organizations, Secretary of the Environment for the state of Maryland, and a senior planning official for the city of Baltimore. Bob is a member of the Export-Import Bank Advisory Committee, Bank of America National Community Advisory Council, the National Academy of Science Board on Environmental Studies and Toxicology, and the North American Climate Smart Agriculture Alliance Steering Committee. He is also a member of the Center for Climate Preparedness and Community Resilience Advisory Board (Antioch University). He has been named a 2016 winner of American University's William K. Reilly Award for Environmental Leadership.

Anne Pramaggiore**President and Chief Executive Officer, ComEd (Co-Chair)**

Anne Pramaggiore joined ComEd in 1998 to work on the company's transition to competitive energy markets under the Illinois Consumer Choice Law of 1997. In her role as ComEd's lead lawyer and as head of Regulatory Policy, she led major policy work around the restructuring of the Illinois electric industry. In 2009, Anne was appointed as ComEd's COO and became responsible for overseeing day-to-day operations on the electric grid and in customer operations. In that role, she led the company's effort to set the legislative framework for ComEd's smart grid build-out, a leading model nationally for modernizing one of the largest utility systems in the country. Anne was promoted to her current position in February 2012. She is the first female to hold the post of president and CEO at the electric utility. She is a 1989 graduate of DePaul University School of Law and served as editor-in-chief of the school's Law Review. She has a bachelor's degree in Communications and Theater from Miami University in Oxford, Ohio.

Jack Riggs**Senior Fellow, Energy and Environment Program, The Aspen Institute**

Jack Riggs is a non-resident Senior Fellow at the Aspen Institute, where he was Executive Director of the Program on Energy and Environment from 1995 to 2008. Previously, as Staff Director of the House Energy and Power Subcommittee for thirteen years, he participated in all the major energy legislation of the 1980s and early 1990s. From 1993 to 1995 he was Deputy Assistant Secretary and then Assistant Secretary of Energy for Policy and International Affairs. He began his career with the Agency for International Development, working on land reform in Vietnam from 1966 to 1971 and on capital development in Brazil in 1971 and 1972. He also taught a graduate seminar in energy policy for five years at the University of Pennsylvania. He has a BA in history from Swarthmore College and a Masters in Public Affairs from the Woodrow Wilson School at Princeton University.

James Rogers

Chairman, President and CEO, Duke Energy, (ret.)

Jim Rogers, journalist, lawyer, CEO, author and philanthropist. He currently is a Rubenstein Fellow at Duke University. He was most recently CEO at Duke Energy and served as CEO for almost 25 years in the electric utility industry. He did a series of mergers and acquisitions culminating in the creation of Duke Energy, the largest electric utility in the US. He also owned and/or operated assets in 17 countries in Africa, South Asia, Europe, and Central and Latin America. He has served on the boards of eight Fortune 500 boards. He currently is on the boards of the Aspen Institute, Brookings Institution, The Nature Conservancy, Bloomberg New Energy Finance, among others. In 2015, he authored "Lighting The World: Transforming Our Energy Future by Bringing Electricity To Everyone" in which he advocates for bringing electricity to the 1.2 billion rural poor through off-grid primarily renewable solutions. He is a co-founder of the Global Brightlight Foundation, which delivers solar-powered lanterns capable of charging cell phones to rural communities around the world. He is co-teaching a groundbreaking graduate seminar entitled: Renewables and the World's Poor at Duke University. In 2009, *Newsweek* named him one of "the 50 Most Powerful People in the World."

Jan Schori**Trustee, NERC Board of Trustees**

Jan Schori is the former general manager and chief executive officer of the Sacramento Municipal Utility District (SMUD), the nation's sixth largest publicly owned electric utility. During her 14 year tenure as CEO, the utility earned a strong reputation for its renewable energy and energy efficiency programs as well as the national number one ranking in commercial customer satisfaction by JD Power & Associates. Prior to serving as CEO she spent 15 years on the legal staff at SMUD, including the last 5 as general counsel. She is past chair of the American Public Power Association, the Large Public Power Council, and the California Municipal Utilities Association. She is also past chair of the Business Council for Sustainable Energy and served on the board of the Alliance to Save Energy. After retiring from SMUD, she was elected in 2009 to the North American Electric Reliability Corporation's (NERC) board as an independent trustee and continues to serve in that position. She also serves on the board and executive committee of the Climate Action Reserve which develops protocols and tracks greenhouse gas reduction projects and which has been certified by the California Air Resources Board as an independent registry for AB 32 compliance credits. She is on the boards of Cal CEF Ventures and Cal CEF Innovations.

Justin Segall**President and Founder, Simple Energy**

Justin Segall is the President & Founder of Simple Energy, an energy customer engagement software company based in Boulder, CO. Simple Energy is changing how people save energy by changing how utilities engage their customers. Simple Energy leverages its experience in the energy industry and combines leading behavioral science with the tools of the modern social web to engage customers and help utilities get demand side management and the smart grid results regulators demand. Justin brings to the team his experience in community engagement, the energy industry, and business development. In addition to strategy and partnerships, Justin manages energy industry and utility partner relationships for Simple Energy. Previously, Justin served as Vice President of Resource Development for Renewable Choice Energy, during which time he led the firm's trading and origination, executing significant transactions in renewable energy and carbon markets. Prior to founding Simple Energy, Justin also served in senior roles for the \$3 billion dollar Atlanta BeltLine project, the largest and most comprehensive sustainable urban redevelopment project in the U.S. Justin helped to secure funding for the project and oversaw many early elements of the project's implementation. Justin graduated cum laude from Duke University, where he spearheaded the university's path to leadership in sustainability.

John Shelk

President and Chief Executive Officer, Electric Power Supply Association

John Shelk is the President and Chief Executive Officer of the Electric Power Supply Association (EPSA). John has had a long and distinguished career in public service and in the private sector with an emphasis on energy and environmental issues. Prior to joining EPSA, he was the Senior Vice President of Government Affairs for the National Mining Association, where he directed a federal legislative advocacy team on behalf of the nation's coal and hard rock mining sectors. John's government career was capped with service as Republican Counsel to the House Committee on Energy and Commerce, where he worked on matters before the Subcommittee on Energy and Power and the Subcommittee on Oversight and Investigations. These matters included major responsibilities associated with the Clean Air Act Amendments of 1990 and the Energy Policy Act of 1992. Following his government service, John assumed a series of positions with increasing responsibility in a variety of business sectors: Federal Affairs Counsel for The Harford Financial Services Group; Assistant General Counsel for ITT Corporation; Vice President of the American Gaming Association; and Director of Federal Relations for Calpine Corporation. He also worked in the private practice of law for Gibson, Dunn & Crutcher. John earned his J.D. degree with honors from Georgetown University Law Center and a BA degree in American Government from Georgetown's College of Arts & Sciences, where he was elected to Phi Beta Kappa and selected as a George F. Baker Scholar.

Douglas Smith**Partner, Van Ness Feldman**

Doug Smith's practice focuses on energy regulatory matters before the Federal Energy Regulatory Commission and the Department of Energy, and on environmental and technology policy affecting the energy sector. Recent projects include: Representing new competitive transmission developers, including Transource Energy and NextEra Energy Transmission, on transmission rate applications at FERC; Representing Grid Assurance, a new initiative by six electric utilities to offer transmission equipment inventory to aid utilities in recovering from outages caused by attacks or natural catastrophes; Counseling a major datacenter operator on climate change and renewable energy matters; Advising a national laboratory on the jurisdiction of utility regulators as it relates to advanced technology deployment; Counseling a major distributed solar generation provider on FERC regulatory issues; and Representing clients on DOE rulemakings concerning efficiency standards and test procedures, and in related investigations and enforcement proceedings. Doug previously served as General Counsel at FERC, and as Deputy General Counsel for Energy Policy at DOE. Early in his career, he clerked for Judge Walter Stapleton on the U.S. Court of Appeals for the Third Circuit. Doug is the coordinator of Van Ness Feldman's electricity practice group, and is a member of the firm's executive committee. Doug is a graduate of Yale Law School and MIT.

Jim Spiers**Vice President, Technology, Engineering and Economic Analysis, National Rural Electric Cooperative Association, Inc.**

Jim Spiers joined National Rural Electric Cooperatives Association in June 2014 as the vice president of technology, engineering and economic analysis. Spiers came to NRECA from Tri-State Generation and Transmission Association in Westminster, CO, where he served as senior vice president of business strategy/chief technology officer. Spiers directed Tri-State's engagement in several high-profile research initiatives, including carbon dioxide mitigation through inducement prize development (XPRIIZE), development of an R&D test center at a coal-fired power facility and the formation of an international network of researchers focused on capturing and converting carbon emissions from industrial complexes into an asset. At Tri-State, Spiers focused on scientific and technical issues, technology innovation, research and development, the transformation of capital into strategies to advance business objectives; leveraging intellectual property for the benefit of Tri-State members and analyzing the financial, operational and long-term performance of the organization. Spiers served as director of the Colorado Public Utilities Commission from 1986 to 1991, and before that, as a hearings officer and researcher at the Colorado Department of Highways. Spiers has a law degree University of Colorado School of Law and a BA from Mesa College in Grand Junction, Colorado.

Bob Stump**Commissioner, Arizona Corporation Commission**

Deemed a "candidate to watch" by the National Journal, a "thought leader" by the Institute for Electric Innovation, "weirdly brilliant" by Utility Dive, and one of Arizona's three "Best State Representatives" by the Arizona Capitol Times's "Best of the Capitol" survey, Arizona Corporation Commissioner Bob Stump was re-elected to the Arizona Corporation Commission in 2012. He received the second-highest vote tally of any Arizona Republican candidate on the ballot, surpassed only by U.S. Senator Jeff Flake. He chaired the Commission from 2013-2015. Bob represented District 9 in the Arizona House of Representatives from 2002-2008. He serves on the Board of Directors of the National Association of Regulatory Commissioners (NARUC), is a member of the Harvard Electricity Policy Group, was a member of the Aspen Institute's Society of Fellows, and is an Advisory Council member of the Center for Public Utilities. Bob has also served on the faculty of Law Seminars International and is a member of the NARUC Committee on Critical Infrastructure. He is the recipient of over a dozen awards recognizing his legislative leadership. His policy proposals have made front-page news in USA Today and serve as model legislation for legislatures throughout the country. Bob has discussed key legislative initiatives on CNN; "Your World with Neil Cavuto," on the Fox News Channel; National Public Radio; as well as various national and international media. In 2006, Bob was a featured guest on C-SPAN's "Washington Journal" to discuss his policy ideas with a national audience. Bob is Chairman of the Board of Phoenix Opera -- the youngest opera company chair in the United States. Bob holds degrees from Harvard University and the University of California at Berkeley, from which he graduated with High Honors.

Tilak Subrahmanian**Vice President, Energy Efficiency, Eversource**

As Vice President, Energy Efficiency for Eversource, Tilak Subrahmanian oversees one of the largest energy efficiency portfolios in the industry. He leads a team that is focused on scaling energy efficiency to drive aggressive reductions in energy use. Eversource's energy efficiency programs serve more than 3.5 million electric and natural gas customers in three New England states. Eversource's Energy Efficiency team also works closely with business partners and communities to help shape strong, environmentally sound energy policy. In support of the scaling efforts, Tilak led discussions with Massachusetts banks and credit unions to roll out financing mechanisms to encourage customer investments in energy efficiency. That effort has resulted in roughly \$250 million of private financing capital being invested in energy efficiency in the state in just the last three years. Tilak has also been a judge of the MIT Clean Energy Prize (CEP), a business plan competition focused on significantly accelerating the pace of energy innovation and entrepreneurship. Tilak earned an MBA from the University of Michigan, a MS Engineering from the University of Washington, and B.Tech Engineering from the Indian Institute of Technology, Madras.

Michael Teague**Oklahoma Secretary of Energy and Environment**

Michael Teague serves as Oklahoma's first Secretary of Energy and Environment. Appointed in 2013, he is responsible for coordinating over 30 state agencies, boards, compacts, and commissions in advancing policies that encourage energy production and environmental stewardship throughout Oklahoma. Prior to his appointment, Michael served in the U.S. Army for nearly 30 years before retiring with the rank of Colonel. As the commander of the Tulsa District of the U.S. Army Corps of Engineers he managed a civil works program encompassing all of Oklahoma, a large portion of southern Kansas and the panhandle of northern Texas. He oversaw over 700 employees in engineering, construction, and operations, with an annual budget of \$700 million. Throughout his career, Michael has dealt with construction, power generation and distribution, water supply and flood control, and environmental impact studies. He has facilitated and negotiated numerous solutions involving federal and state agencies, tribes, and local stakeholders. Michael received a bachelor's degree in Civil Engineering from Norwich University. He also received master's degrees in Operations Analysis from the Naval Postgraduate School and in National Security and Strategic Studies from the Naval War College.

Susan Tierney**Managing Principal, The Analysis Group**

Susan Tierney, Forum Chair, is a Managing Principal at Analysis Group, specializing in the electric and gas industries. She works on economic and environmental regulation, energy facilities, industry restructuring and market design, market analyses, clean energy policies, transmission policy, resource planning and procurement, market monitoring, and asset valuations. A former Assistant Secretary for Policy at the U.S. Department of Energy, and state public utility commissioner and environmental cabinet officer, Sue chairs NREL's External Advisory Board, serves as an advisor to DOE's Quadrennial Energy Review, is co-lead author of the energy chapter of the National Climate Assessment, and on the Secretary of Energy Advisory Board (and its Shale Gas Subcommittee). She is a member of the National Petroleum Council, the boards of World Resources Institute, Alliance to Save Energy, Energy Foundation, and of many Bipartisan Policy Center energy projects. She has a PhD and MA in regional planning and public policy from Cornell.

Sharon Tomkins**Vice President and General Counsel, Southern California Gas Company**

Sharon Tomkins is the vice president and general counsel for SoCalGas. She joined SoCalGas in 2010 as the Regulatory Assistant General Counsel. Prior to joining SoCalGas, Sharon was a partner of O'Melveny & Myers LLP, where she was a founding member of its Energy, Natural Resources & Environmental Practice and represented clients in a variety of litigation, regulatory and appellate proceedings. She developed and taught an Energy Law, Policy & Climate Change course in the fall of 2009 at UCLA Law School. Shortly after graduating law school, Sharon clerked in the U.S. Court of Appeals, Sixth Circuit, for the Honorable Danny J. Boggs. Sharon co-authored, "Litigating Global Warming: Likely Legal Challenges to Emerging Greenhouse Gas Cap-and Trade Programs in the United States". Sharon serves on the board of directors for the California Minority Counsel Program, the Library Foundation of Los Angeles, and the Constitutional Rights Foundation. She previously served on the board of directors for the Conference of California Public Utility Counsel, the Women's Lawyers Association of Los Angeles and Uncommon Good. Sharon graduated Order of the Coif from the USC Gould School of Law. She received her undergraduate degree in English, with High Distinction, from Pennsylvania State University.

Barbara Tyran**Executive Director, Electric Power Research Institute**

Barbara Tyran is Director of EPRI's Washington and State Relations in Washington, DC. She serves as the principal liaison between EPRI executive management and Congress, the Administration, the national trade associations, the national leadership of the state public utility commissions, state legislators/regulators, and the Washington energy community. Barbara joined EPRI in 1998 after serving for several years as Manager of Federal Government Affairs for two electric utilities, Kansas City Power & Light (now Great Plains Energy, Inc.) and Empire District Electric Company. Previously, she was the Washington Representative for the Detroit Edison Company (now DTE Energy). Prior to that, Barbara worked as a management consultant, initially with Booz Allen & Hamilton in their Institutional Management Consulting Division and subsequently, with Pace Corporation, where she was engaged with energy-related clients in both the private and public sectors. Barbara holds a BA with honors from Stanford University and an MBA from Yale University.

Clinton Vince**Chair, US Region Energy Practice, Dentons US LLP (Co-Chair)**

Clint Vince is the chair of Dentons' Energy sector. Dentons was named the "Energy Firm of the Year" by Who's Who Legal Awards 2015. The Award is another accolade that underscores the Global Energy team's expertise and exceptional offering. It follows the 2014 result where the firm had nearly 50% more lawyers nominated as leading experts than any other firm. Clint has directed the expansion of the US Energy team into a premier practice that includes professionals spanning the continent coast-to-coast, offering a full range of services to energy industry clients. He is widely recognized for his cutting-edge theories and solutions within the energy industry and has a top-tier litigation track record. Clint remains at the forefront of energy developments and continuously handles some of the highest profile cases in the industry. His experience involves major project development, legislative and regulatory advocacy on behalf of public and private clients, and litigation and appellate cases including US Supreme Court advocacy. Recently, Clint and his team of energy professionals were awarded Energy Daily's Leadership Award for "Most Dynamic Energy Practice" in the US. Clint is also recognized by Best Lawyers in America and Washington, DC, Super Lawyers, and he has received recognition from Chambers. Clint was honored as 2015 "Energy & Environment Trailblazers" in the National Law Journal's inaugural supplemental issue. Clint is a past editor-in-chief of the Energy Law Journal and completed a two-year term as co-chair of the prestigious Keystone Center, a policy think tank known for its work in the energy and environmental fields. Prior to joining Dentons, Clint was the managing partner of the Washington, DC, office of Sullivan and Worcester LLP, where he was also director of the firm's Energy practice. He served as co-chair of Verner, Liipfert, Bernhard, McPherson and Hand, where he was the founder and chair of the firm's Energy and Environmental practice. He is on the Executive Committee of the Board for the World Resources Institute as well as the Board of the Alliance for Affordable Energy.

Jan Vrins**Managing Director, Global Energy Practice Lead, Navigant**

Jan Vrins is a managing director and Navigant's Global Energy practice leader. He advises utility executives on developing strategies for ensuring long-term operational and financial success in a rapidly changing landscape. Jan developed the Utility of the Future Framework to help clients understand how the trends in the market and evolving business models can improve their commercial and operational performance. His utilities industry experience includes investor- and government-owned utilities in North America, Europe, and Latin America. Jan has authored various publications and presented at leading industry conferences. With extensive consulting experience (24+ years) in the energy sector and a history of growing businesses in diverse, global markets, Jan is a global leader in today's energy consulting industry.

Kelly Warner**President, Advanced Microgrid Solutions**

Kelly Warner has 30 years of experience in the energy services, electric and gas utility industry, with 15 of those years as chief executive of major energy consulting and service firms. In his roles as CEO of Deerpath Energy, Inc., XENERGY and KEMA Inc., he led or participated in numerous policy, strategy, and business development initiatives that span the value chain of the energy industry. Kelly started his career in solar, and over time became a national expert in the field of energy efficiency and demand-side management. Kelly is a recognized expert in utility industry restructuring and was responsible for the development of one of the first retail energy service companies in the U.S.

Michael Webber**Director, Energy Institute and Associate Professor, Mechanical Engineering, The University of Texas at Austin**

As Deputy Director of the Energy Institute, Co-Director of the Clean Energy Incubator, Josey Centennial Fellow in Energy Resources, Author, and Professor of Mechanical Engineering, Dr. Michael E. Webber trains the next generation of energy leaders at the University of Texas at Austin and beyond through research and education at the convergence of engineering, policy, and commercialization. His recent book, "Thirst for Power: Energy, Water and Human Survival", which addresses the connection between earth's most valuable resources and offers a hopeful approach toward a sustainable future, is receiving wide praise. His television special Energy at the Movies was in national syndication on PBS stations 2013-2015, and a suite of energy literacy tools titled Energy 101, including videos, online courses, and an interactive ebook, is available globally. He was selected as a Fellow of ASME, has authored more than 300 publications, holds 4 patents, and serves on the advisory board for Scientific American. Michael holds a BS and BA from UT Austin, and MS and PhD in mechanical engineering from Stanford. He was honored as an American Fellow of the German Marshall Fund, an AT&T Industrial Ecology Fellow, and on four separate occasions by the University of Texas for exceptional teaching.

Jonathan Weisgall**Vice President, Government Relations, Berkshire Hathaway Energy Co.**

Jonathan Weisgall is Vice President for Government Relations for Berkshire Hathaway Energy. He also serves as chairman of the board of directors of the Center for Energy Efficiency and Renewable Technologies and Vice President of the Geothermal Energy Association. He is an Adjunct Professor of Law at Georgetown University Law Center, where he has taught a seminar on energy issues since 1992, and he received the law school's award for outstanding adjunct professor of the year for 2015.

Lisa Wood**Executive Director and Vice President, Institute for Electric Innovation**

Lisa Wood is Vice President of The Edison Foundation and Executive Director of the Institute for Electric Innovation (IEI). As Executive Director of IEI she collaborates with a Management Committee of over 20 electric utility CEOs and provides thought leadership on current issues and innovation in the electric power industry. Under Lisa's leadership, IEI released its 4th book in December 2015: Key Trends Driving Change in The Electric Power Industry. Lisa is a Nonresident Senior Fellow in the Energy Security and Climate Initiative at The Brookings Institution and an Adjunct Professor at Johns Hopkins University SAIS. Lisa serves on several boards including the Advisory Board of Current, GE's new energy business. Prior to launching IEI, Lisa was a Principal with The Brattle Group; a Principal with PHB Hagler Bailly; and a Program Director at RTI International. Lisa holds a PhD in Public Policy and Management from the Wharton School of the University of Pennsylvania and an MA from the University of Pennsylvania.