

National Summit on RPS

November 29 - December 1, 2016
Washington, DC



Guest Speaker and Participant Bios



Shannon Ames
Executive Director, Low Impact Hydropower Institute
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Shannon Ames joined the Low Impact Hydropower Institute as Executive Director on October 1, 2016. Ms. Ames brings to LIHI experience within the hydropower industry and with environmental policy. She worked for nearly six years for Brookfield Renewable Energy Group and before that for four years with the Massachusetts Joint Committee on Environment, Natural Resources and Agriculture. She has an M.B.A from Boston University and a B.A. from Colby College.



Carrie Annand
Vice President, External Affairs, Biomass Power Association
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Carrie Annand is Vice President of External Affairs, based in Biomass Power Association's Washington, DC office. Carrie has worked with Biomass Power Association since 2010, gradually expanding her role from outside PR consultant. Part of her portfolio is overseeing National Bioenergy Day, an annual nationwide educational event recognizing bioenergy's contribution to heating and power in the United States. The day has doubled in size since its inception in 2013. In addition to media relations and communications, Carrie serves as a resource in membership outreach and government affairs. Carrie has more than ten years of public affairs and communications experience across many issue areas. She previously served in the press office of the U.S. House of Representatives Committee on Energy and Commerce. She is also a graphic designer.



Cat Arsenault
Staff Attorney, Connecticut Public Utilities Regulatory Authority
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Cat Arsenault has been a staff attorney and hearing officer at the Connecticut Public Utilities Regulatory Authority since 1998. Cat specializes in renewable and electric, including RPS eligibility, compliance, and state programs, licensing and regulation of competitive electric suppliers, and consumer protection issues. Cat is a graduate of the University of Connecticut School of Law and Brandeis University.

Tess Arzu
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Gavin Bade
Editor, Utility Dive
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Before joining Industry Dive, Gavin was the editor-in-chief of Georgetown's alt-weekly newspaper, The Georgetown Voice, and worked for several media publishers, including The American Prospect, NPR, the New America Foundation, and WGVU. He has a B.S. in Culture and Politics from the Walsh School of Foreign Service at Georgetown.



Galen Barbose
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Galen Barbose is a Research Scientist in the Electricity Markets and Policy Group at Lawrence Berkeley National Laboratory, where he has conducted research for 14 years on issues in the electricity industry related to renewable energy, energy efficiency, and electric system planning. Among those efforts, Galen and his colleagues track state renewables portfolio standards, and frequently give briefings to policymakers and other industry stakeholders on the design and impacts of these policies. He holds a Master's degree from the Energy and Resources Group at U.C. Berkeley.



Ken Beiser
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Ken Beiser is a senior consultant within the solar electric industry. He has been a senior advisor and management board member to Strata Solar, a major utility-scale solar firm in NC, an advisor to several early stage solar businesses and the CRO of a distressed solar business. Previously, Beiser helped start and ran two major commercial solar businesses – Tecta Solar and Conergy’s US development arm. He has led development, finance and managed the EPC and O&M Services for about 80 MW of mid-sized solar projects for commercial and institutional customers, for utilities and municipalities. Prior to doing solar finance work, Beiser was an investment banker with expertise in project finance, project asset debt and equity placement, M&A, tax equity and distressed & turnaround work. He has covered real estate, hotel companies, energy companies, software firms, and electronics businesses. He has an M.B.A. from the London Business School, University of London, and a B.Sc. from Northwestern University in Evanston, IL. Beiser speaks German at a professional working level. He lives in Philadelphia, PA.



Mark Bellamy
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Utility Specialist Mark Bellamy served 6 years in the U.S. Navy as a Machinist’s Mate on a submarine, where he operated and maintained atmosphere control equipment, as well as performing duties as a quality assurance inspector. He joined the staff of the Public Utilities Commission of Ohio in 2009. Most of his duties at the PUCO have centered on the implementation of Ohio’s Renewable Portfolio Standard. He has testified in cases regarding the need for new generating facilities. Concurrently with his work with the PUCO he has also worked as a staff member of Ohio Power Siting Board serving as an expert in noise and shadow flicker issues. He has received a bachelor’s degree in chemistry from Arkansas State University.

Courtney Bernhardt
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Howard Bernstein
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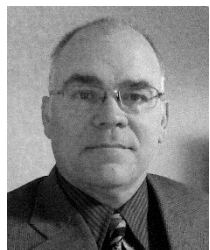
Program Manager for the Renewable & Alternative Energy Portfolio Standards (RPS & APS) at the Massachusetts Department of Energy Resources (DOER) since 2004. Primary responsibilities are writing the annual RPS & APS Compliance Report, coordinating the analysis of annual compliance filings by regulated electricity suppliers, qualifying non-solar generation units, drafting program materials, and doing participant outreach. This followed a series of other program management and policy responsibilities at DOER since

1983. Previously was the town energy coordinator for Belmont and Framingham, Massachusetts, 1979-82. Originally had been an academic anthropologist, with a B.A. from Yale College and a Ph.D. from the University of Chicago.



Lori Bird
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Lori Bird is a principal in the markets and policy group with the National Renewable Energy Laboratory in Golden, Colorado. She specializes in the areas of renewable energy policy, markets, and grid integration. Her recent projects have focused on distributed PV regulatory issues, corporate renewables procurement, RPS policy benefits, and options for addressing grid integration. She has published more than 100 articles and reports on renewable energy issues. Before joining NREL, she worked for DOE's Office of Energy Efficiency and Renewable Energy in Denver and Hagler Bailly Consulting in Boulder, Colorado. She holds a master's degree in Environmental Studies from Yale University's School of Forestry and Environmental Studies and lives in a house with solar PV in Boulder, Colorado with her husband and two children.



Glenn Blackmon
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Glenn Blackmon manages implementation of the state Energy Independence Act for the Washington Department of Commerce, State Energy Office. He has worked as a regulator and policy expert in energy and telecommunications since 1985. He holds a Ph.D. in public policy from the Harvard Kennedy School and a bachelor's in economics from Louisiana State University.



Rebecca Blood
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At Wexler|Walker, Rebecca ("Becky") Blood leads the firm's energy and environment practice. Her issue expertise includes a broad knowledge of the Clean Air Act, Energy Policy Act (1992, 2005 & 2007), Clean Power Plan, appropriations issues and electricity markets. Becky uses her more than 35 years of experience working in and before the legislative and executive branches of federal and state governments to advance the policy interests of electric utilities, energy technology companies, renewable energy trade associations as well as municipalities. She is specifically known in Washington, D.C. for her decades-long commitment to the hydropower industry, where she continues to lead successful legislative strategies benefiting the National Hydropower Association. Becky graduated with a B.A. in Political Science from Michigan State University and a M.P.A. in Public Administration from George Washington University.

Michele Boyd**Policy and Program Analyst, SunShot, U.S. Department of Energy**[*michele.boyd@ee.doe.gov*](mailto:michele.boyd@ee.doe.gov)

Michele is a Policy and Program Analyst contracted with the SunShot Initiative at the U.S. Department of Energy, where she works on stakeholder engagement, project management and technical assistance to federal agencies and Congress on solar matters. Previously, Michele was the government relations manager at Abengoa Solar, where she developed and implemented strategies to advance effective financing, siting, and transmission policies for solar. Prior to her work on solar, Michele focused on issues related to nuclear weapons, nuclear power and nuclear waste. Michele has two B.S. in biology and in environmental science from Purdue University and a M.S. in environmental policy from the University of Michigan.

**Rachel Boylan****Legal Specialist, New Jersey Board of Public Utilities**[*rachel.boylan@bpu.nj.gov*](mailto:rachel.boylan@bpu.nj.gov)

Rachel Boylan provides legal support to the Board of Public Utilities' Office of Clean Energy, which works with the Program Administrator to manage and implement the New Jersey Clean Energy Program. Ms. Boylan researches legal issues for the Office and drafts legal memoranda and Board Orders.

**Kate Brandus****Customer Accounts & Operations Specialist, Sol Systems**[*kate.brandus@solsystems.com*](mailto:kate.brandus@solsystems.com)**Venkata Bujimalla****Manager, Policy Development, Iowa Utilities Board**[*Venkata.Bujimalla@iub.iowa.gov*](mailto:Venkata.Bujimalla@iub.iowa.gov)**Barbara Burton****Assistant People's Counsel, Office of the People's Counsel for the District of Columbia**[*bburton@opc-dc.gov*](mailto:bburton@opc-dc.gov)



Bridget Callahan
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Bridget Callahan works at Sol Systems on the SREC operations team, where she manages accounts for Sol Systems' 4,000+ network of solar energy system owners. She also handles inquiries for Sol Systems' network of 250+ residential installers. In addition, she manages customer meter readings and production monitoring for SREC minting with PJM-GATS and NEPOOL. Ms. Callahan also conducts policy research and analysis, and interacts with the various public utilities commissions to guide customers through the path toward SREC certification.



Emily Chisholm
RPS Verification/Compliance Lead, California Energy Commission
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Emily Chisholm is the Verification and Compliance Technical Lead for California's Renewables Portfolio Standard (RPS) program at the California Energy Commission. The Energy Commission determines the RPS eligibility of generators, verifies the claims of all California utilities, and determines the publicly owned utilities' compliance with the RPS requirements. Emily has worked at the Energy Commission for seven years. She received her Bachelor of Arts degree in Political Science from George Washington University.



Matt Clouse
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Matt is the chief of the Energy Supply & Industry Branch in the U.S. EPA's Office of Air and Radiation and plays a leading role in the Agency's consideration of renewable electricity technologies and policies to promote them. Matt also oversees several voluntary climate programs that are advancing corporate climate leadership and transforming markets for combined heat and power and renewable electricity. He holds a Masters in Energy & Environmental Policy from the University of Delaware and a B.A. in International Relations from the College of Wooster.

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Gail Cooke

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Gail Cooke is Project Manager of the New Mexico Energy Conservation and Management Division's alternative fuels and efficient transportation program. Gail is also co-lead in development of an Energy Roadmap for the State of New Mexico.

Gail has 17 plus years of experience working in the areas of air quality and energy related planning. Gail holds a bachelor's degree in Environmental Design from Texas A&M University and a master's degree in Urban and Regional Planning from Virginia Tech.

Michael Copley

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Maria Blais Costello

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Maria is the Manager of Program Administration for Clean Energy Group (CEG) and Clean Energy States Alliance (CESA), where she has worked since 1998. She is responsible for managing grants and contracts for CESA and CEG projects. She also manages communications, publications, and special events and directs CESA's State

Leadership in Clean Energy Awards. Maria previously worked at Conservation Law Foundation, where she served as the office manager for the Vermont office. She graduated from the University of New Hampshire with a B.A. in Political Science and a minor in Economics. Maria lives with her husband in Montpelier, Vermont and powers her home with community solar.



Karen Cramton

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Karen Cramton serves as Director of the Sustainable Energy Division at the New Hampshire Public Utilities Commission. The Division ensures compliance with the State's Renewable Portfolio Standard and administers the Renewable Energy Fund.

This dedicated fund supports various renewable energy incentive and grant programs.

With experience in renewable energy development, programs, and policy, Karen works with a broad range of organizations, including other state agencies, to expand renewable development in NH. Prior to joining the Public Utilities Commission, Karen served as the Deputy Director at the NH Office of Energy Planning where she worked on developing the State's 10-Year Energy Strategy and the Rooftop Solar Challenge. She graduated from The Pennsylvania State University with a B.S. in Quantitative Business Analysis.



James Critchfield

Director, Green Power Partnership, U.S. Environmental Protection Agency

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Mr. Critchfield currently directs the U.S. Environmental Protection Agency's Green Power Partnership – a voluntary program that supports organizational procurement of green power as a way to reduce the environmental impacts associated with conventional electricity use. The Partnership works with hundreds of organizations including Fortune 500®, small and medium sized businesses, higher education institutions, Federal, state and local governments as well as not-for-profit organizations nationwide. In addition, James is also involved in supporting the development and rollout of EPA's Clean Power Plan. Prior to joining EPA, James worked in California for a leading solar energy system design and build firm. He has a Bachelor of Science degree from the University of California at Berkeley, as well as a Master of Business Administration from the Thunderbird School of Global Management.



Tanuj Deora

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Tanuj Deora joined the Smart Electric Power Alliance (SEPA) in January 2015 to lead SEPA's research, advisory, communications, and programs teams. His previous experience includes wind energy project development, research and design engineering, product management, business development, and financial analysis for over a decade of experience in renewable energy after starting his career in the chemical industry. Tanuj served in the cabinet of Governor John Hickenlooper as director of the Colorado Energy Office, and earlier served as a Peace Corps volunteer in Jamaica working on community and environmental health projects. He also served as an advisor to the Rational Middle Energy Series and on the boards of the Colorado Renewable Energy Trust and Renewable Energy New England.



Kellie Didigu

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Kellie Armstead Didigu is an experienced public affairs professional. For over 15 years, Kellie has worked with elected officials and senior level management in state and city governments. Currently, Kellie manages and executes the public affairs, media relations and social media strategy for the Public Service Commission of the District of Columbia. Kellie's goal is to educate and inform the public by building awareness and understanding about the Commission's mission, role, its decision, and services to District residents. Kellie is a liaison to various groups and associations such as the Mayor's Citywide Public Information Officers, National Association of Regulatory Utility Commissioners (NARUC) Communications Groups, Utility Discount Program Consumer Education Working Group and the Telecommunications Relay Service Working Group. Kellie is a graduate of Ohio University with a Bachelor of Science in Broadcast Journalism, and holds a Master in Public Administration from Northern Illinois University.



Samantha Donalds
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Samantha serves as a Research and Communications Specialist for Clean Energy Group and Clean Energy States Alliance. She assists on communications and research. She also coordinates social media and serves as the webmaster for both organizations.

Samantha previously worked as an administrator at Fairewinds Energy Education, a nuclear safety advocacy nonprofit in Burlington, Vermont. She has also worked as a research assistant in the environmental studies department at Brown University, where she researched fisheries projects in West Africa and compiled historic climate and fisheries data from southern New England. Samantha graduated cum laude from Mount Holyoke College with a B.A. in Environmental Studies and a minor in French.

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Lee Ewing
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Lee Ewing is a Staff Attorney with the Maine Public Utilities Commission, a position that he has held since April 2016. In this role, Lee participates in proceedings related to electricity and natural gas utilities, including rate cases and requests for certificates of public convenience and necessity. Lee is also involved with several clean energy issues relating to efficiency, net energy billing, and certification under Maine's Renewable Portfolio Standards. Lee holds a B.S. in accounting and criminal justice from the University of Maryland and a J.D. from the University of Oregon, where he was an Energy Law and Policy Fellow.



Teddi Ezzo
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Teddi currently works for CT DEEP's Bureau of Energy & Technology Policy providing analysis and policy recommendations concerning alternative energy. Teddi is an accountant by trade working mostly in the manufacturing sector; she came to the Utility arena 5 years ago. After coming to the then named DPUC, she quickly immersed herself in the renewables sector, learning and analyzing the compliance aspect first then moving into the growing world of renewables. She received her M.B.A. in Management from University of New Haven and her bachelor's degree in Accounting from Teikyo Post University.



Timothy Fox
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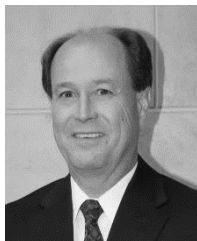
Mr. Fox directs the alternative power and energy efficiency team at ClearView Energy Partners, LLC. Prior to joining ClearView, Mr. Fox was an energy analyst for an international wealth management and private equity firm and a senior manager for a state and municipal government affairs lobbying firm. He holds an M.B.A. from Marylhurst University and a B.A. from Trinity College (Connecticut).



Mary Frantz
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Mary has over 10 years' experience in the electric utility industry. She has been with WREGIS since 2006 and was instrumental in the development of the REGIS program – from implementation to operational phase. Mary conducts program analyses, monitors and maintains WREGIS system functionality. She provides expertise on the Change Control and Issue Management Process, oversees testing upon implementation of system changes and updates, reviews and revises governance and technical documents, and updates processes and procedures as needed. Mary provides leadership, coordination and guidance between entities, regulatory bodies and software developers as well as providing guidance based on operational and system-level analyses to the WREGIS Director, Board-level committees, and the Stakeholder Advisory Committee.

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Scott Gebhardt is a Utility Energy & Conservation Analyst at the Pennsylvania Public Utility Commission in the Policy and Planning Section of the Bureau of Technical Utility Services. Scott serves as a lead technical contact for issues related to the Pennsylvania Alternative Energy Portfolio Standards Act (AEPS), providing technical analysis relating to the AEPS. He assists with oversight of the Act 129 energy efficiency and conservation program implementation by the Pennsylvania electric distribution companies and he represents the Commission as a liaison to the four Pennsylvania Sustainable Energy Fund Advisory boards. Scott started at the Commission in February 2009 and prior to that he worked for the Pennsylvania Department of Environmental Protection in the Office of Energy and Technology Deployment. Scott holds a degree in Environmental Science from Westminster College, New Wilmington, PA.

Linda George
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Benjamin Gerber
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Benjamin Gerber is the Executive Director of M-RETS. Prior to joining M-RETS, Gerber served as Director of Energy and Labor/Management Policy at the Minnesota Chamber of Commerce. He joined that organization in January 2012, representing the Chamber's energy interests at both the Legislature and the Public Utilities Commission. Prior to that, he was an oil and gas attorney and handled Fredrikson & Byron's government relations operation in North Dakota, focusing on mining, energy and tax legislation. His Minnesota experience includes time spent at a Minneapolis government relations office, and public policy and legal work for National Wind, LLC, a large-scale community wind developer. He graduated from the University of Michigan with a degree in political science in 2005. He graduated from William Mitchell College of Law, cum laude, in 2010 and is admitted to the Minnesota and Federal Bar. Ben also serves on the board of the Jewish Community Relations Council of Minnesota and the Dakotas.



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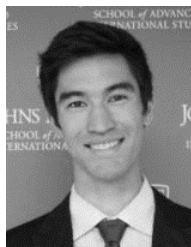
Aaron Geschiere is an Associate at ICF International, where he has five years of experience providing project and modeling leadership and support for the Commercial Energy Division. Mr. Geschiere's work at ICF focuses on renewable energy policy, markets, and project evaluation, with previous experience forecasting Renewable Energy Credit prices in multiple U.S. markets, Power Purchase Agreement (PPA) evaluation and due diligence, and assessment of market opportunities for renewable project developers. Mr. Geschiere has B.S. degrees in Economics and Environmental Science from the University of Michigan.



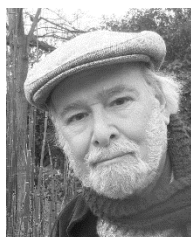
Brian Granahan
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Brian Granahan is the Chief Legal Counsel of the Illinois Power Agency, an independent state agency tasked with developing procurement plans and conducting energy, capacity, and renewables procurement events for the State of Illinois and its electric utilities. Brian began his career as an associate with Sidley Austin LLP and worked as clean energy advocate and staff attorney with Environment Illinois before shifting to the public sector, serving as a policy advisor to Acting Chairman Manuel Flores and Chairman Douglas Scott at the Illinois Commerce Commission. Prior to joining the IPA, Brian was a Vice President with the

strategic consulting firm of Tur Partners LLC working to incubate a startup L3C focused on cleantech adoption by municipal governments. Brian holds a B.S. from the University of Iowa and a J.D. from New York University and is a former board member of the Illinois Environmental Council and Green Economy Chicago.



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Dr. Imre Gyuk
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Imre Gyuk directs the energy storage research program at the U.S. Department of Energy (DOE), which funds work on a wide variety of technologies such as advanced batteries, flywheels, super-capacitors, and compressed air energy storage.

Applications include seamless continuity of power supply for high-tech industry during outages, making renewables dispatchable, and helping to increase the capacity factor and ease congested distribution lines. Dr. Gyuk has a B.S. from Fordham University, and he did graduate work at Brown University where he was a research assistant to Nobel Laureate Leon Cooper. He has a Ph.D. in Theoretical Physics from Purdue University and became a research associate at Syracuse. Dr. Gyuk has taught Physics, Civil Engineering, and Architecture at the University of Wisconsin and Kuwait University.



Doreen Harris
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Doreen Harris is the Program Manager for the Large-Scale Renewables team at New York State Energy Research & Development Authority (NYSERDA), a public benefit corporation that advances innovative energy solutions to improve New York State's economy and environment. She is responsible for managing the centralized procurement of utility-scale renewable resources in New York under the Renewable Portfolio Standard as well as oversight of future policy design, program rules, and market development mechanisms to spur further penetration of large-scale renewables, including offshore wind. Ms. Harris also is responsible for driving a strategic approach to New York's energy markets with a focus on spurring voluntary market activity, including the ongoing development of the New York Generation Attribute Tracking System. She holds a bachelor's degree in chemical engineering from the University of Rochester and a master's degree in business administration from the University at Albany.



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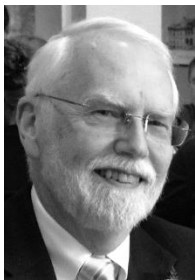
Jenny Heeter is a senior energy analyst at NREL in Golden, Colorado. She focuses her research on corporate investments in renewable energy, the green power market, renewable energy certificate markets, renewable portfolio standards, net metering policies and utility regulatory issues. Heeter also has experience examining the intersection of policy with solar deployment, most recently examining the impact of the investment tax credit reversion on renewable portfolio standard solar carve-outs and the impact of net metering program caps on PV deployment. In her prior position at the Indiana Office of Utility Consumer Counselor, the ratepayer advocate in Indiana, she filed testimony on cases related to utility green pricing programs as well as energy efficiency proposals. She holds an M.P.A. in environmental policy from Indiana University-Bloomington's School of Public and Environmental Affairs and a B.A. in environmental studies and political science from Macalester College.

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Maureen Hoffman is a finance specialist at the State of Connecticut in the Public Utilities Regulatory Authority (PURA), formerly known as the Department of Public Utility Control. She began in 1998, as a Principal Utilities Finance Specialist in the Electric Unit. She was assigned to work on Connecticut's RPS in 2011. In February 2015, PURA formed a Renewables Unit and she was transferred into this unit with her primary role assigned to Connecticut's RPS.



Ed Holt
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Ed Holt is president of Ed Holt & Associates, Inc., a consultancy focusing on renewable energy policy, programs and markets. He was one of the earliest to recognize the potential of voluntary markets to help achieve environmental goals. Ed also delves deeply into renewable energy policies such as RPS requirements, the use of renewable energy certificates, greenhouse gas accounting for renewable energy, and the Clean Power Plan and renewable energy.



Kenneth Hughes
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Ken has have been working as an attorney with the District of Columbia Public Service Commission since 1997. His responsibilities include serving as the legal case manager for the District's REPS and standard offer service programs and as the Commission's ethic officer. Prior to the Commission, he worked as an administrative judge at the D.C. Office of Employee Appeals from 1996 to 1997. Ken's career in District Government began in 1982, when he worked as a ward coordinator for Mayor Marion S. Barry, Jr. In addition to a law degree, he has an M.B.A. from Georgetown University.



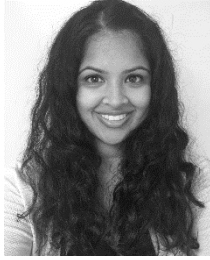
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Ronald Jackson is a Research Scientist with the New Jersey Board of Public Utilities (NJ BPU) Office of Clean Energy (OCE) who designs and develops clean energy markets in New Jersey by advancing state policies expressed in the Energy Master Plan, regulated in in the New Jersey Administrative code and by Board directives. He also manages the New Jersey Renewable Portfolio Standard (RPS) compliance process which includes certifying renewable energy generation facilities and analyzing compliance reports submitted by basic generation service providers and third party electric suppliers. Ron has been with the NJ BPU since June 2003 and with the OCE since November 2003. Ron has a B.S. in Civil Engineering from Polytechnic Institute of New York, Brooklyn, NY and a M.B.A. from Rutgers University, Newark, NJ.



Thomas Jacobsen
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As co-founder of Blue Delta Energy, Thomas is at the forefront of the clean energy markets, providing innovative solutions via market access and regulatory services to commercial, industrial, health, educational and financial institutions. With a strong focus on optimizing RECs and carbon offsets from renewable energy projects, Thomas engages the environmental markets daily to provide revenue streams to clients. Thomas holds an M.A. in Environmental Anthropology from the University of Kent, Canterbury, U.K. and a B.A. in Environmental Science and Anthropology from Connecticut College.



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Shubha Jaishankar has been a member of the Operations team at the SunShot Initiative since 2014. She primarily supports the Balance of Systems Soft Costs team, where she also provides project management and support for various programs, including the community solar, state energy strategies, and workforce and training. Shubha graduated from Boston University with a B.A. in International Relations, and she also holds an M.S. in Global Affairs from New York University. She wrote her Master's thesis on rapid urbanization, focusing on the nexus of food, water, and energy security and how the impacts of climate change will affect overall human security. To follow up on that research, she completed a graduate certificate in Climate Change Management and Policy from George Washington University.



Thaddeus Johnson
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Thaddeus Johnson is an Assistant People's Counsel at the Office of the People's Counsel for the District of Columbia. He is graduate of Loyola University New Orleans College of Law, with customer service and operations expertise in the telecom, natural gas, and electricity industries from experience with Verizon, SouthernLINC Wireless, Georgia Power, Atlanta Gas Light Company. A member of the American Bar Association, Energy Bar Association, and the District of Columbia Bar, Thaddeus serves on several committees and working groups, including the District Government's Powerline Undergrounding Consumer Education Task Force, Federal Communication Commission Consumer Advisory Committee, District Department of Environment and Energy Solar for All Task Force, and recently served as the District of Columbia Vice-Chair of the WMATA Riders' Advisory Council. Thaddeus also provides pro bono immigration services for immigrant juveniles.



Todd Jones
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Todd Jones provides analysis and guidance on renewable energy and climate policy design and implementation to policymakers, regulators and functional support entities. He also works with environmental policy organizations and serves on various technical advisory and working groups to provide research and guidance in the areas of renewable energy and climate change and to strengthen programs that add credibility to corporate environmental action. Jones also manages the Green-e Climate program, a retail standard and certification for carbon offsets. He holds a Master's in Environmental Science from Yale University and a Bachelor of Science in Environmental Science from UC Berkeley.



Kaitlin Kelly

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Kaitlin Kelly is a Renewable Energy Program Coordinator at the MA Department of Energy Resources. She manages all solar aspects of the RPS, including Class I, the Solar Carve-out Programs, and working on the design for the next solar incentive program. She received her B.A. from UConn, and her M.A. in Urban and Environmental Policy and Planning from Tufts University.



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Grant Klein supports Sol Systems' SREC team through market research and policy analysis. Prior to joining Sol Systems, Mr. Klein spent three years at the Community Power Network, a nonprofit promoting locally based renewable energy projects and policies. There he managed the Solar Co-op Program, a group purchasing effort that facilitated 1,200 residential solar installations across six states. He graduated from the University of Maryland with a B.S. in Environmental Science & Policy and a minor in Sustainability. He was active in College Park Scholars and studied renewable energy abroad in Copenhagen, Denmark. Additionally, Mr. Klein volunteers his time at the Clean Energy Leadership Institute.



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Melissa Klein is the Communications Manager for the U.S. Environmental Protection Agency's Green Power Partnership Program. She also initiated and leads communications and program elements for EPA's Center for Corporate Climate Leadership to advance organizations in measuring and managing their emissions. At EPA since 2008, Melissa has supported national voluntary programs that reduce emissions – from strategic program development and stakeholder relations to internal and external issues management and branding. Previously, Melissa's career focused on developing and implementing environmental and public health promotion and policy initiatives from the national to grassroots level in the private and public sector. She holds a Master of Public Health degree from UNC-Chapel Hill.



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Tom Knauer is a Utilities Analyst with the Vermont Public Service Board, where his work focuses on Vermont's energy efficiency and renewable energy programs. He joined the Board in 2010. Tom is a staff leader in the development and implementation of Vermont's distributed-generation standard-offer program and the new Renewable Energy Standard. Tom has prior work experience conducting research and analysis for a socially responsible portfolio manager, and as a research and development scientist for a manufacturer of rechargeable batteries. He has a B.A. in physics from Middlebury College.



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Lars Kvale leads Business Development for APX. His experience includes managing APX's registry operations as well as leading the implementation of several registries and the inter-registry framework set up to support automated certificate transfers from one registry to another. He is APX's lead expert on how registries can support new markets and respond to new policy developments, including the US EPA's Clean Power Plan. Prior to APX, Lars Kvale worked with the Center for Resource Solutions to develop standards for and manage the Green-e Energy and Green-e Climate programs. He also has experience working with the California Energy Commission.



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Warren Leon serves as Executive Director of the Clean Energy States Alliance (CESA) and directs the Solar Project and the State-Federal RPS Collaborative and its annual National Summit on RPS. He is an Adjunct Professor at the Brandeis International Business School. Before coming to CESA, Warren was Director of the Massachusetts Renewable Energy Trust, Executive Director of the Northeast Sustainable Energy Association, and Deputy Director for Programs at the Union of Concerned Scientists. He co-authored the book *The Consumer's Guide to Effective Environmental Choices*. He holds a Ph.D. from Harvard University.



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Christine Mahler is a Program Analyst for the Western Renewable Energy Generation Information System (WREGIS). As part of her role, she works with reporting entities—both Balancing Authority and Non-Balancing Authority—to assure the integrity of generation data reported through the system. She also conducts regular audits of the generating unit and certificate data. Christine has a B.S. degree in Meteorology and a B.A. degree in English. She is also completing her MCSA SQL Server certification and plans on pursuing an M.S. degree in Software Engineering and Database Technologies. Her focus is on data management and quality control.



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Cara Marcy joined the U.S. Energy Information Administration Office of Energy Analysis as a renewable electricity analyst in 2014. At EIA her research has focused primarily on modelling and analysis of domestic utility-scale solar and wind projects. She also is the principal modeler of Renewable Portfolio Standards for EIA's Annual Energy Outlook. Ms. Marcy holds bachelor's degrees in chemical and environmental engineering and a master's degree in engineering and public policy.



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Joe Marhamati supports the Technical and Project Management Division of the DOE's Loan Programs Office, leading technical reviews for deal teams of advanced renewable energy, clean fossil, and nuclear projects. He provides lead analysis for greenhouse gas and lifecycle assessment of loan applications. Joe is a clean energy and sustainability professional with experience in environmental and regulatory risk analysis within renewable energy project finance. He has experience in renewable energy and energy efficiency policy development including serving as lead project manager for the Obama Administration's Capital Solar Challenge and President's Performance Contracting Challenge. His background includes greenhouse gas accounting and estimation, solar energy project development, and sustainability program development and analysis.



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Sandra Mattavous-Frye has been the People's Counsel for the District of Columbia's Office of the People's Counsel since 2011. She began her career as an attorney with the Office of the People's Counsel. During her tenure she has held various management positions, including Deputy People's Counsel. She has tirelessly represented DC ratepayers in landmark cases involving utility providers. In her capacity as People's Counsel, she testifies before the Public Service Commission and the District legislature with a focus on energy and energy efficiency matters. Sandra is a graduate of the District's Antioch School of Law and Howard University.



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Alden Meyer is director of strategy and policy for Union of Concerned Scientists (UCS) and director of its DC office. He provides general oversight and strategic guidance for the organization's advocacy on energy, transportation, agriculture, and arms control issues. He is also the principal advocate for UCS on national and international policy responses to the threat of global climate change. In addition, he works extensively on renewable energy and electricity policy. He has nearly 40 years of experience in energy and environmental policy at the state and national levels. He has authored numerous articles on climate change, energy policy, and electric utility and nuclear power issues for environmental and general interest publications. He has also served on several federal advisory panels, including the U.S. Secretary of Energy's advisory board.



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Caitlin Murphy is a AAAS Science & Technology Policy Fellow in the U.S. Department of Energy (DOE) Office of Energy Policy and Systems Analysis, where she provides technical expertise to the office's analysis of technology- and policy-based approaches to mitigating greenhouse gas emissions from the U.S. energy sector. Caitlin's previous experience includes one year in the U.S. Senate, where she worked on a wide array of renewable energy and energy efficiency legislation, and helped to develop provisions related to energy storage, tribal energy, and clean energy financing in the Senate's Energy Policy Modernization Act of 2016 (S.2012). Caitlin holds a Ph.D. in Geophysics from Caltech. Prior to her work with the government, she conducted research related to the hydrogen storage capacity of materials under high pressure conditions.

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Ms. Neary is a Project Manager in the U.S. Department of Energy's (DOE) Loan Programs Office (LPO), which seeks to accelerate the domestic commercial deployment of innovative and advanced clean energy technologies. Ms. Neary leads due diligence and manages active transactions on non-recourse debt financings ranging from \$100 million to \$3 billion for innovative renewable power generation and fuel and advanced automotive manufacturing technologies. Prior to serving in the U.S. government, Ms. Neary worked at The Babcock & Wilcox Company, an international provider of energy products and services. In this position, Ms. Neary served as a lead process engineer in the company's Fossil Power Division and helped design cutting edge technologies in the fields of biomass and oxy-fuel combustion.

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Holly O'Higgins is an energy data analyst at the Wisconsin Public Service Commission. She maintains electric generation and capacity data for the Commission, manages natural gas construction dockets, and is part of Wisconsin's Strategic Energy Assessment team, specializing in data analysis. In her previous role at the State Energy Office, she was the author of the Wisconsin Energy Statistics and managed Wisconsin's Energy Efficiency and Conservation Block Grant.



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In her first term in the NH House of Representatives Representative Oxenham served on the Resources, Recreation and Development Committee and currently participates on the town Energy Committee. She received her B.A. with Honors from Swarthmore College, and her MA from Johns Hopkins University Paul Nitze School of International Studies (S.A.I.S.). Lee spent close to a decade at the National Academy of Sciences' National Research Council (NAS/NRC) where she became the Soviet affairs specialist for the Commission on Behavioral and Social Sciences. As a NRC Study Director she oversaw projects focused on the Soviet economy and ethnic nationalism, and in the wake of the Soviet collapse she worked on issues ranging from democratization to the disposition of excess weapons' plutonium. After leaving the NAS/NRC, Lee returned to academic pursuits, completing her career as Liberal Arts chair at Lebanon College.

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Kevin Petak has over 30 years of experience in the energy industry. He has directed numerous energy market analyses to support strategic planning needs at energy companies. The analyses have investigated the impact of oil and gas production, gas storage, LNG exports, and pipeline expansions on gas prices; the effect of weather and oil prices on gas markets; and the impact of carbon control strategies on fuel markets. He has directed market modeling for the National Petroleum Council, America's Natural Gas Alliance, the American Gas Foundation, the

Interstate Natural Gas Association of America, the Canadian Energy Research Institute, and the Ontario Energy Board. Much of his work focuses on projecting market growth, supply, prices, and infrastructure development for North American energy markets by using ICF's Gas Market Model and ICF's Oil and NGL Transportation Models.



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Kevin has been working with renewable energy programs since 2008 when he co-founded SRECTrade, now the leading online marketplace for buying and selling renewable energy credits. In 2013 he spun off and became CEO of InClima, focusing on running renewable energy and efficiency programs for utilities and public agencies. InClima acts as the Pennsylvania AEPS Administrator, as well as running 6 other programs in Delaware, Massachusetts, and St. Louis. Kevin also had a 20-year career as a U.S. Coast Guard helicopter pilot and program/project manager, and has earned a Bachelor of Science in Electrical Engineering from the U.S. Coast Guard Academy and an M.B.A. from the Stanford Graduate School of Business.



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Virginia that he began while in his previous position as the program's Kendall Science Fellow. Before joining UCS, Dr. Richardson was a senior analyst at New West Technologies. Prior to that, he served as senior fellow for science policy at the Pew Center on Global Climate Change. He was also a science and technology fellow at the American Association for the Advancement of Science, where he analyzed the potential for energy efficiency and renewable energy in the U.S. He served as a postdoctoral fellow at the NASA Goddard Space Flight Center, studying the atmospheres of planets around other stars. He received his Ph.D. and M.S. in physics from the University of Colorado Boulder and earned a B.S. in physics from West Virginia University.



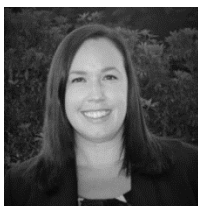
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Matt Rosenbaum has worked at the U.S. Department of Energy (DOE) for twelve years. He is a Director of Grid Technical Assistance in the Department's Office of Electricity Delivery and Energy Reliability. His focus areas are grid modernization, reliability, planning, and security of U.S. electricity grid. Matt leads the office's state technical assistance program and supports the transmission development regulatory program. In addition, he has served as a first responder and subject matter expert for DOE's emergency response and critical infrastructure protection missions. Matt has a Bachelor of Science in Electrical Engineering from United States Air Force Academy and a Master of Science in Electrical Engineering from Purdue University.



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Jessie Rountree serves as the Climate Strategy Manager of the North America Conservation Region at The Nature Conservancy (TNC). She has nine years of professional experience in the environmental non-profit field, with an emphasis on climate policy. She previously worked as the Executive Office Associate at ClimateWorks Foundation. Jessie earned her M.S. from the University of San Francisco and her B.S. from California Polytechnic State University.



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Kathi Scanlan recently joined Washington Utilities and Transportation Commission staff as a Regulatory Analyst in 2016. Prior to the Commission, Ms. Scanlan spent 10 years at the Washington Department of Ecology as an environmental specialist and project manager, leading rulemaking and regulatory streamlining projects. She also brings private sector experience as an

environmental consultant at an architectural and engineering firm in Hawaii. With Ms. Scanlan's strong analytical skills and degree in Physics and Economics from Claremont McKenna College, and Master's in Engineering Management from St. Martin's University, Ms. Scanlan is a champion of regulatory efficiency and implementing renewable portfolio standards (RPS) in Washington State. Her interests include researching risks and costs associated with environmental effects of energy resource options, including life-cycle assessments.



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Mr. Schuyler is responsible for managing the operation of the PJM Environmental Information Services' (PJM EIS) Generation Attribute Tracking System (GATS). GATS is the largest environmental registry in North America, tracking over 70,000 renewable generators located in 22 states and the District of Columbia. GATS is one of only two all-generation tracking systems in the U.S., and is used by electricity suppliers and states in the PJM Region to demonstrate compliance with state mandates for renewable energy and fuel mix and emission reporting. Mr. Schuyler is also Manager of Renewable Services at PJM Interconnection, LLC, where he has more than 30 years of experience at PJM in System Operations and Markets. Mr. Schuyler is a registered professional engineer in the state of Pennsylvania. He holds a Bachelor of Science in mechanical engineering from Drexel University and a Master of Business Administration from Temple University.



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Joe Sherrick has 25+ years of experience working for the Commonwealth of Pennsylvania. Joe is currently a supervisor with PA Public Utility Commission (PA PUC) where he oversees the Policy and Planning Section within the Bureau of Technical Utility Services. He and his staff are responsible for overseeing PA's Alternative Energy Portfolio Standard and energy efficiency measures such as PA's Act 129 energy efficiency program. Prior to working for the PA PUC, Mr. Sherrick served as the Climate Change Program Manager within the PA DEP. Prior to this Mr. Sherrick worked in the Energy Office within PA DEP, overseeing the administration of the Alternative Fuels Incentive Grant Program and a host of renewable energy initiatives. Mr. Sherrick has also worked in PA DEP's Air Quality Program as a regulator and inspector.

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Rebecca Smith is a Senior Policy Analyst at the Oregon Department of Energy (ODOE), where she focuses on the state's Renewable Portfolio Standard, environmental attributes, and emerging renewable energy technologies and markets. She currently chairs the Oregon Portfolio Options Committee, an advisory body to the Oregon Public Utility Commission for the state's voluntary renewable power programs. Prior to joining ODOE, Ms. Smith worked on greenhouse gas mitigation policy and project development, corporate climate risk management, and energy efficiency in the built environment at organizations including Earth Advantage Institute, Det Norske Veritas, and EcoSecurities. She has an M.P.A in environmental science and policy from Columbia University's School of International and Public Affairs and a B.A. from Grinnell College.



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Edward's focus at Customized Energy Solutions (CES) is on developing a business line which integrates retail electricity supply, distributed energy resources, energy storage, and demand response. He has worked with numerous clients across all business lines to help them understand the economics and market potential of various applications. He has over 20 years of experience in the energy industry. Prior to joining CES in 2006, he worked for Constellation NewEnergy in retail energy marketing. His experience also includes work on the utility side of the business in customer choice implementation and rates and economic analysis. He previously worked in operations and quality assurance at nuclear generation facilities. He holds a B.S. from the United States Naval Academy and an M.B.A. from Drexel University.

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Katie Trachsel is a certified public accountant, member of the Michigan Public Service Commission Staff and manager of the renewable energy credit registry (MIRECS) used to track compliance with Michigan's renewable energy portfolio. With over ten years of direct utility and utility regulation experience, Katie's

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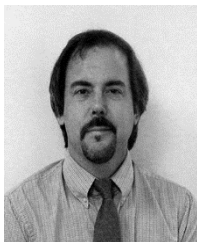
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Barry Wenskowicz has been employed by the Narragansett Bay Commission (NBC) since 1998 and his responsibilities now include helping NBC progress towards Net Zero Energy Usage. NBC was established in 1981 to operate Rhode Island's largest wastewater treatment facility. It now operates the state's two largest facilities and has won many awards for excellence. Barry currently works as an engineer in the Technical Assistance section of the Division of Policy, Planning and Regulation and has also worked as an inspector. He worked for environmental consultants and in industry prior to joining NBC. He received his Bachelor of Science degree in Chemical Engineering from the University of Rhode Island in 1987 and his Master of Science degree in Chemical Engineering in 2011.



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Edward P. Yim is Associate Director of Policy and Compliance for the District of Columbia's Department of Energy and Environment. In this role, he advises the Department on energy policy matters, develops initiatives and programs to help achieve the District's energy sustainability goals, and represents the Department before the District of Columbia's Public Service Commission. Recently, he has been leading the effort to develop the climate and energy plan to reduce greenhouse gases by 50 percent by 2032, as well as the effort to develop over 250 MW of solar generation in the District by 2032. He has also been leading the District Government's efforts on modernizing the energy delivery system to prepare for a Grid of the Future. Prior to this post, he practiced energy and environmental law for nearly 10 years that involved electricity market, natural gas development, and wastewater utilities.