

**ASPEN ENERGY WEEK**  
*DESIGNING TRANSITIONS FOR THE NEW ENERGY ECONOMY*  
July 12-16, 2018  
Aspen, Colorado

**PARTICIPANT BIOGRAPHICAL INFORMATION**

**Ernest Moniz (Co-Chair)**

**Former Secretary of Energy; President and CEO, Energy Futures Initiative**

Ernest J. Moniz served as the thirteenth United States Secretary of Energy from 2013 to January 2017. As Secretary, he advanced energy technology innovation, nuclear security and strategic stability, cutting-edge capabilities for the American scientific research community, and environmental stewardship. He placed energy science and technology innovation at the center of the global response to climate change and negotiated the Iran nuclear agreement alongside the Secretary of State. Dr. Moniz joined the Massachusetts Institute of Technology faculty in 1973 and was Founding Director of the MIT Energy Initiative. He is the Cecil and Ida Green Professor of Physics and Engineering Systems emeritus and Special Advisor to the MIT President. He served on Boards of numerous companies, non-profits and government agencies in the energy and security arenas. Dr. Moniz received a Bachelor of Science degree summa cum laude in physics from Boston College, a doctorate in theoretical physics from Stanford University, and eight honorary doctorates. He received the Distinguished Public Service Medal of the Department of Defense.

**Andy Karsner (Co-Chair)**

**Managing Partner, Emerson Collective**

Andy Karsner is a Managing Partner of Emerson Collective, Senior Strategist and Space Cowboy at X, and Precourt Energy Scholar at Stanford University. As managing partner Andy champions the values of Emerson Collective to prioritize the needs of humanity in concert with nature. His entrepreneurial leadership has been associated with both venture capital and private equity portfolios responsible for guidance and/or holdings in some of the most successful technology startups over the last ten years, including Nest (Internet of things), Tesla (mobility), Recurrent (solar), and Codexis (biotech). From 2005 to 2008 Karsner served as assistant secretary of Energy for Efficiency and Renewable Energy of the United States, managing the approximately \$2 billion annual federal applied science, research and development portfolio. In this role, he helped assemble significant bipartisan coalitions to implement or enact the Energy Policy Act, the Energy Independence and Security Act and the America Competes Act, all of which remain the foundation of comprehensive energy policy today. In diplomacy, Karsner was a principal climate negotiator of the “Bali Roadmap” and an original architect of the Major Economies Process. Prior to public service, Karsner held several global leadership positions including: founder and CEO of Enercorp, a windpower development firm and international agent of Vestas, and was involved in project development, management and financing of energy infrastructure; he served as director and senior development manager for Wartsila Power Development and other multinational energy and development firms. Karsner sits on several prominent boards including: Applied Materials (Nasdaq: AMAT), Conservation International, the Gas Technology Institute, and the advisory boards of MIT Medialab and Sandia National Lab.

**Matt Adams****Partner, Dentons US LLP**

Matthew Adams serves as Chair of the Firm's US Environment and Natural Resources practice. Matthew helps clients address environmental issues related to energy, infrastructure, and natural resource development projects. He advises on a full range of transactional, regulatory, litigation matters, with a particular focus on issues arising under the National Environmental Policy Act (NEPA), the National Historic Preservation Act (NHPA), the California Environmental Quality Act (CEQA), and other environmental impact assessment laws. Matthew is also active in Dentons' Native American Law and Policy practice. He regularly counsels tribal governments and tribally-owned businesses on environmental and land use issues affecting Indian country. He also advises a variety of stakeholders on matters related to the protection of indigenous cultural and historic resources. Matthew has been recognized by Law360 as a Law and Policy MVP and one of the nation's top attorneys under 40. He is also ranked as a leading lawyer for business by Chambers USA.

**Nicole Alexiev****Director of Programs & Partners, Emerson Elemental, Emerson Collective**

Nicole is the director of programs and partners for Emerson Elemental, the vertical at Emerson Collective that prioritizes the needs of humanity in concert with nature. Prior to Emerson, Nicole served for 6 years as the managing director of the Aspen Institute's Energy and Environment Program managing all aspects of the program including staff, budgeting, partnerships, external communications, and fundraising. Nicole also led and managed the program's thought leadership convenings, outcome driven policy dialogues, and events on topics like clean energy innovation, water policy & resource use, decarbonization, carbon pricing, global food security, oceans conservation, Arctic governance, and "Track II" dialogues with India and China on climate change. Prior to Aspen, Nicole was the Assistant Director at the International Business Leaders Forum (IBLF) where she developed the organization's sustainability programming, authored white papers specific to climate change adaptation, and advised member companies (e.g. Bombardier, Chevron, Coca-Cola Enterprises, Disney and Symantec) on their CSR and stakeholder/community engagement strategies. Previous to IBLF, Nicole was the Senior Partnership Officer at the United Nations Foundation where led multi-sectoral partnerships to advance UN causes specific to energy access for all and international climate policy. Nicole's private sector experience includes developing international market entry strategies for Micromuse Inc. (bought by IBM) in Latin America and QUALCOMM Communications in Oaxaca, Mexico. Nicole grew up in Alaska and began her career as a staff assistant to Senator Ted Stevens. She has a Master's in International Development from UC San Diego and a BA in Political Science from the University of Puget Sound.

**Janet Anderson****Senior Technology and Policy Advisor, Van Ness Feldman, LLP**

Janet Anderson provides clients with strategic counsel on numerous issues related to the intersection of business initiatives and energy and environmental policies. In particular, she focuses on the areas of global climate change, electricity, energy efficiency, clean tech, and air quality. Janet's experience as an engineer in the private sector, in addition to her government service, give her a unique perspective on clients' requirements regarding project investment decisions, such as matters arising around New Source Performance Standards (NSPS), Prevention of Significant Deterioration (PSD), operating permits, data analyses, and stakeholder outreach. Prior to joining Van Ness Feldman, Janet served as the Director of Industry Policy for the White House Climate Change Task Force and as a Special Assistant to the Secretary at the Department of Energy. She also worked at the Northern States Power Company (now part of Xcel Energy) as a manager and an engineer. Janet serves on the board of VNF Solutions.

**Miranda Ballentine**  
**CEO, Constant Power, Inc**

Miranda Ballentine is the CEO of Constant Power, inc., a Toronto-based developer, integrator, and operator of distributed energy resources through its Energy Storage as a Service (ESaaS) solution. Constant Power is built on experience and a strong network that enhances its reach and value proposition. Previously, Miranda was Managing Director of the Rocky Mountain Institute’s Business Renewables Center, driving innovation to improve national security, drive economic gains, and solve climate challenges. Miranda formerly served President Obama as Assistant Secretary of the Air Force (Installations, Environment, & Energy). She launched the Resilient Energy Demonstration Initiative (REDI), which developed smart, cyber-secure microgrids, including a “Future Forward Operating Base.” She provided war-fighting Commanders with visibility to strategic risk-to-mission from kinetic and cyber-attacks to energy systems. Previously, Miranda was Director of Sustainability for Global Renewable Energy at Walmart Stores, Inc, where she led a team in fifteen countries to develop strategies toward Walmart’s goal to be supplied by 100% renewable energy. In 2013, she was selected to the World Economic Forum’s Young Global Leaders. She has a BS degree from Colorado State University and an MBA from George Washington University. She lives in Washington, DC with her husband, daughter, and step-daughter.

**Roger Ballentine**  
**President, Green Strategies**

Roger Ballentine is the President of Green Strategies Inc., where he provides management consulting services to corporate and financial sector clients on sustainability and energy sector strategies and transactions. He is also Venture Partner with Arborview Capital, making growth stage impact investments in sustainability-driven companies. Roger was a senior member of the White House staff, serving President Bill Clinton as Chairman of the White House Climate Change Task Force and Deputy Assistant to the President for Environmental Initiatives. He has been a Lecturer on Law at Harvard Law School teaching in the area of energy and climate policy and prior to the White House was a partner at Patton Boggs LLP. Roger currently serves on the Board of NetPower LLC, and the Advisory Boards of the Department of Energy’s National Renewable Energy Laboratory (NREL), Clean Capital LLC, 8 Rivers Capital, Uptake Technologies, and the American Council on Renewable Energy (ACORE), where he was a founding Board member in 2001. He is a member of Ingersoll Rand’s Advisory Council on Sustainability. Roger also serves as the Co-Chair of the Aspen Institute’s Clean Energy Innovation Forum. Roger is a Magna Cum Laude graduate of the University of Connecticut and a Cum Laude graduate of the Harvard Law School. He is a member of the Connecticut, District of Columbia, and the United States Supreme Court bars.

**Kathleen Barrón**  
**Senior Vice President, Competitive Market Policy, Exelon**

Barrón leads the development and implementation of federal, state and regional governmental, regulatory and public policy strategies for Exelon Corporation. She is responsible for identifying and assessing key federal and state policy issues of interest to Exelon, crafting the company’s position on such issues, and developing strategies for achieving public policy objectives on behalf of Exelon’s customers and businesses. She also is responsible for managing the company’s wholesale market design advocacy in each of the regional markets where the company operates. Prior to joining Exelon, Barrón was the Deputy General Counsel at the Federal Energy Regulatory Commission (FERC), where she advised the Commission on all aspects of its responsibilities and represented the Commission before Congress, government agencies, and industry groups. Previously, Barrón was the FERC’s associate general counsel for energy markets.

**Lisa Barton****Executive Vice President, Transmission, American Electric Power**

Lisa Barton oversees operations of AEP Transmission Holding Company (AEP THCO) and its subsidiary companies. As Executive Vice President, she is responsible for the company's Transmission system. Responsibilities include P&L responsibility for AEP THCO and oversight of the company's field services, engineering, construction, planning, system operations and financial services for the company's transmission and distribution station assets. She leads AEP's corporate Safety & Health program for its 18,000 employees. Barton is a member of the company's senior executive team, serves as a board member of Transource Energy, a joint venture with Great Plains Energy, and Electric Transmission Texas (ETT) a joint venture with Berkshire Hathaway. Barton is an active participant in national forums on the subject of energy policy. She testified before the US Senate, state commissions and served as a contributing member of the MIT Energy Initiative "Future of the Electric Grid" and the Bipartisan Committee initiative on "Delivering Electric System Reliability and Clean Technology." Barton earned a bachelor's in electrical engineering from Worcester Polytechnic Institute, and a juris doctorate degree from Suffolk University Law School.

**Aaron Berndt****Head of Central Region Energy Partnerships, Google**

Aaron Berndt is Head of West Coast Energy Partnerships at Nest, where he works with utility partners to develop customer-focused energy programs that leverage Nest products. Prior to joining Nest, Aaron 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 portfolio. Aaron holds a Bachelor of Mechanical Engineering from the University of Minnesota and an MBA from UC Berkeley Haas School of Business.

**Jason Bordoff****Professor and Founder, Center on Global Energy Policy, Columbia University SIPA**

Jason Bordoff joined the Columbia faculty after serving until January 2013 as a 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 in 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, Bordoff is a professor of professional practices and serves as founding Director of SIPA's Center on Global Energy Policy. Prior to joining the White House, Bordoff 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. Bordoff 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.

**Bill Brown****CEO, NET Power, LLC**

Bill Brown is the co-founder and CEO of 8 Rivers Capital, LLC, the inventor of the Allam Cycle. Focusing on energy, telecom, water and space launch, 8 Rivers is creating the sustainable infrastructure of tomorrow. Mr. Brown is a graduate of MIT and Duke Law. He was a law partner at Sidley Austin, where he focused on project finance, leveraged buyouts and commercial finance. Following his career in law, Mr. Brown had an extensive career in financial services, holding leadership positions at Goldman Sachs & Co., AIG International, and Morgan Stanley, where he managed teams of up to one thousand people in eight offices around the world. After working in financial services, Mr. Brown became a professor at Duke Law School, where he is now member of the Board of Visitors. Mr. Brown is the co-founder of 8 Rivers Capital, a technology commercialization firm focused on developing infrastructure-scale technologies, and the co-founder and CEO of NET Power, LLC, which is working with Exelon and CB&I to commercialize a technology that will allow the world to meet its climate targets without having to pay more for electricity. Known as the Allam Cycle, the technology, invented by 8 Rivers, produces electricity from fossil fuels (including natural gas) at a cost comparable to existing technologies, while, at no additional cost, capturing all of the carbon dioxide and other atmospheric emissions.

**Maryam Sabbaghian Brown****Vice President, Federal Government Affairs, Sempra Energy**

Maryam Sabbaghian Brown is vice president of federal government affairs for Sempra Energy. Brown oversees representation of the Sempra Energy companies with the executive and legislative branches of the US government, as well as with federal agencies. Previously, Brown served as the senior energy and environment counsel for the Office of the Speaker of the US House of Representatives. From 2011 to 2012, she was the energy chief counsel for the US House Committee on Energy and Commerce. From 2010 to 2011, she was policy counsel for the US Senate's Republican Policy Committee, and from 2008 to 2010, she was manager of public policy and strategic planning for ConocoPhillips.

**Adam Browning****Executive Director, Vote Solar**

Adam leads Vote Solar's team of advocates, experts and staff working to bring solar to the mainstream across the US. Adam co-founded the organization in 2002 after he had so much fun working on a successful local solar ballot initiative that he decided to pursue solar advocacy full-time. His 15 years at the helm of Vote Solar have earned him the title of being the "Michael Jordan of solar policy." Prior to Vote Solar, Adam spent eight years with the Environmental Protection Agency where he ran an award-winning pollution prevention program. Adam grew up in Miami, and served with the Peace Corp in Guinea-Bissau, West Africa—experiences that taught him about the power of the sun. He's glad to now call Oakland home.

**Michael Bruce****Director, Emerson Elemental, Emerson Collective**

Michael serves as a Director at Emerson Elemental where he is responsible for managing the for-profit investment portfolio dedicated to (re) designing humanity's relationship with our natural systems so all people can live in a healthy community with access to clean air, water and soil. Prior to joining Emerson Collective, Michael served as a Director at Hannon Armstrong Capital (NYSE: HASI), a sustainable infrastructure finance company, where he helped take the company public in 2013 and focused on project finance and new financial products. Prior to Hannon Armstrong, Michael co-founded Manifest Energy, where he developed innovative project models for value-added buildout and optimal deployment of emerging technologies. Michael acquired first-hand policymaking experience as Senior Advisor for Finance at the US Department of Energy under President George W. Bush where he was responsible for accelerating the commercialization of advanced energy technologies. Michael started his career with the Credit Suisse Technology Group in Silicon Valley.

**Paul Chodak****Executive Vice President, Utilities, American Electric Power**

Paul Chodak is executive vice president – Utilities, responsible for the financial operational result of all AEP utility operating companies. From 2010-2016, Chodak was president and chief operating officer for Indiana Michigan Power (I&M). Prior to that, Chodak served as president and chief operating officer for SWEPCO, an operating company that serves over 439,000 customers in Louisiana, Arkansas and northeast Texas. In 2004, Chodak led efforts to implement AEP's multi-billion dollar environmental compliance plan as director, environmental programs. In early 2007, Chodak was named director, new generation and led the construction of several natural gas fueled power plants, as well as AEP's integrated gasification combined cycle (IGCC) program. Chodak served more than seven years in the US Navy as a submarine officer.

**Jim Connaughton****President and CEO, Nautilus Data Technologies**

James Connaughton is a nationally distinguished energy, environment, technology expert, as both corporate leader and White House policymaker. Mr. Connaughton is currently President and CEO of Nautilus Data Technologies, an ultra energy and water efficient, low cost data center infrastructure company. He is also an Advisor to the medical isotope company Shine Medical Technologies. From 2009-2013, Mr. Connaughton was Executive Vice President and a member of the Management Committee of Exelon and Constellation Energy, two of America's cleanest, competitive suppliers of electricity, natural gas and energy services. In 2001, Mr. Connaughton was unanimously confirmed by the US Senate to serve as Chairman of the White House Council on Environmental Quality. He served as President George W. Bush's senior advisor on energy, environment and natural resources, and as Director of the White House Office of Environmental Policy. During his service with the federal government, Connaughton worked closely with the President, the Cabinet and the Congress to develop and implement energy, environment, natural resource, and climate change policies. An avid ocean conservationist, Mr. Connaughton also helped establish four of the largest and most ecologically diverse marine resource conservation areas in the world. Mr. Connaughton is a member of the advisory board of the ClearPath Foundation, and a board member of the Argonne National Laboratory, the Advanced Energy Economy (AEE), and the Columbia University Center on Global Energy Policy.

**Jon Creyts****Managing Director, Rocky Mountain Institute**

Dr. Jon Creyts is a Managing Director at Rocky Mountain Institute (RMI), where he leads research and collaboration activities globally on Disruptive Technologies, is the founder and co-leader of RMI's China Program, and manages RMI's Business Renewables Center. He has extensive experience in energy transition strategies, disruptive technologies (especially solar, storage, and blockchain), energy efficiency, and urban transformation. Jon is a board member of RMI's joint venture Energy Web Foundation, which is creating a global open-source blockchain platform to support digital energy markets, and WattTime, which is a venture integrating real-time carbon emission tracking into business tools. Prior to RMI, Jon was a partner with McKinsey & Company where he was the primary author of McKinsey's "cost-curve" of carbon abatement. He also is an alumnus of Lockheed Martin's renowned Skunk Works aircraft prototyping facility.

**Kyle Danish****Partner, Van Ness Feldman, LLP**

Kyle Danish is a Partner in the Washington, D.C. office of Van Ness Feldman, LLP. Mr. Danish advises clients on environmental and energy matters, with a special focus on regulation, enforcement, legislation, and permitting under the Clean Air Act. His clients include energy companies, manufacturers, financials, and trade associations. Mr. Danish has been recognized by Chambers Global, the International Who's Who of Environmental Lawyers, and Best Lawyers in America. He is also a Senior Associate (non-resident) with the Center for Strategic and International Studies. Mr. Danish is on the editorial board of Carbon & Climate Law Review. Mr. Danish has a law degree from Temple University, and a Masters in Public Affairs from Princeton University.

**Ankit Desai****Senior Advisor to the CEO, Tellurian Inc.**

Ankit has been with Tellurian Inc. since March, 2017. Before joining Tellurian, he served as Vice President, Government Affairs of Cheniere Energy, Inc. Prior to Cheniere, he served as Senior Vice President for MWW Group. Ankit spent four years as managing director at Third Security, a life science venture capital firm, based in Virginia, where he managed marketing, corporate communications and public relations. He was a lead fundraiser for Governor Mark Warner's Forward Together PAC. Ankit has held an array of roles in Senate offices and campaigns for Joseph Biden, John Kerry, Frank Lautenberg and Robert Torricelli. He received a B.S. in Applied Economics and a minor in Business from Florida State University. Ankit serves on the Board of Directors of the Atlantic Council and the Virginia Museum of Fine Arts. He lives in Washington D.C. with his wife, Nora and son, Hudson.

**Jay Faison****CEO, ClearPath Foundation**

Jay Faison is the Founder and CEO of the ClearPath Foundation, whose mission is to accelerate conservative clean energy solutions. Jay is also the Founder and Chairman of SnapAV, a high growth company that designs and distributes more than 2,000 audio-video related products to technology integrators worldwide. SnapAV has been named to the prestigious INC 500/5000 List, which ranks the fastest growing privately held companies in the US, for four years running. In 2013 SnapAV was acquired by General Atlantic, a leading growth equity firm, and Jay donated \$165 million to start the ClearPath Foundation. The success of ClearPath led Politico to name Jay one of the top 50 "visionaries transforming American politics" in 2015. A serial entrepreneur, Jay has started, managed and sold two businesses prior to SnapAV.

**Shelley Fidler****Principal, Van Ness Feldman, LLP**

Shelley is a principal with the law and policy firm, Van Ness Feldman, working in the areas of energy, environment and natural resources. 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 US 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.

**Emily Fisher****Vice President, Law, Edison Electric Institute**

Emily Sanford Fisher is Vice President, Law, and Corporate Secretary for the Edison Electric Institute in Washington, D.C. EEI is the trade association that represents all domestic investor-owned electric utilities. Her primary responsibilities include federal and state energy and environmental regulation, with a focus on distributed and renewable resources, clean energy, air quality, climate change and energy efficiency.

**Michael Fitzpatrick****Head of Regulatory Advocacy, General Electric Company**

Michael Fitzpatrick is Head of Regulatory Advocacy and Executive Counsel for Government and Regulatory Affairs at General Electric Company, where he coordinates and develops regulatory strategy and advocacy across GE's business groups. He also handles advocacy on international regulatory cooperation and standards issues. He Co-Chairs the US Chamber of Commerce's Working Group on International Regulatory Cooperation and Standards, sits on the Board of the Canadian American Business Council (CABC), and the Business Coalition for Transatlantic Trade (BCTT), and serves on the US government's International Trade Advisory Committee (ITAC). Prior to joining GE, Michael served for three years as the Associate Administrator of the Office of Management and Budget's Office of Information and Regulatory Affairs (OIRA), the White House regulatory office. In 2009 President Obama appointed him to the Governing Council of the Administrative Conference of the United States (ACUS). Michael served as the Executive Branch liaison to the American Bar Association's (ABA) Administrative Law Section, as well as a liaison to the President's Jobs and Competitiveness Council and the White House Business Council. Michael clerked for Judge William Norris on the US Court of Appeals for the Ninth Circuit after graduating, with distinction, from Stanford Law School. He received his M.A. in American History from the University of Virginia and his B.A. from Brown University.

**David Foster****Distinguished Associate, Energy Futures Initiative**

David Foster served as Senior Advisor to US Secretary of Energy Ernest Moniz from 2014-2017 on energy, environmental, climate, economic development, workforce development and labor relations issues. He also designed and oversaw the annual production of the US Energy and Employment Report, a survey driven study of labor markets in four key energy-related sectors of the US economy. Prior to working at the Department of Energy, David Foster served as the founding Executive Director of the BlueGreen Alliance (BGA), a strategic partnership of 14 of America's most important unions and environmental organizations with a combined membership of 14.5 million. From 1990-2006, he was the Director of United Steelworkers (USW), District #11, a 13 state region based in Minneapolis, MN. His responsibilities included serving on the union's International Executive Board and negotiating labor agreements with many of the country's largest steel, iron ore and aluminum companies. Since 2009 Foster has served on the Board of Directors of Kaiser Aluminum Corporation and, since 2006 the Board of Directors of Oregon Steel Mills and its successor, Evraz, North America. From 2003-2010, he taught graduate classes on globalization, sustainability, and labor relations at the Carlson School of Management at the University of Minnesota.

**Julio Friedmann****Senior Advisor, Energy Futures Initiative**

Dr. Julio Friedmann is the CEO of Carbon Wrangler, LLC, and a Distinguished Associate at the Energy Futures Initiative, where he leads a team on large-scale carbon management and deep decarbonization. He recently served as Principal Deputy Assistant Secretary for the Office of Fossil Energy at DOE during the second Obama administration under Sec. Moniz. Previously he held the position of Deputy Assistant Secretary for Clean Coal and Carbon Management. His expertise 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. Dr. Friedmann is one of the most widely known and authoritative experts in the US on carbon removal, CO2 conversion and use, and carbon capture and sequestration, specifically in technology, policy, and operations. Julio has worked closely with the US State Department, EPA, and Treasury.

**Greg Gershuny****Interim Director, Energy and Environment Program, The Aspen Institute**

Greg Gershuny is Interim Director and the James E. Rogers Energy Fellow for the Aspen Institute Energy and Environment Program. Greg's work includes the Annual Energy Policy Forum, the Forum on Global Energy Economy and Security, and the Clean Energy Forum. Prior to joining the Aspen Institute, Greg served as the Associate Director for the Office of Energy Policy and Systems Analysis at the US DOE, as well as Chief of Staff to Director of EPSA from 2013 to 2015. From 2011 to 2013, Greg served as the Director of Energy and Environment at the White House Office of Presidential Personnel where he oversaw the Presidential appointment process for the energy and environment agencies as well as several White House Offices and a dozen boards and commissions. Greg also served as Confidential Assistant to the Associate Director for Science and Nobel Laureate Carl Wieman at the White House OSTP, where he worked on basic science R&D issues and science, technology, engineering, and math education, and as an Associate for the White House National Economic Council.

**Kate Gordon****Senior Advisor, Paulson Institute**

Kate Gordon is a nationally recognized expert on the intersection of clean energy and economic development. She recently joined the firm RIDGE-LANE as a partner in the sustainability practice. In addition, she provides strategic project and policy advice to a variety of foundation, NGO, and corporate clients, including as a Senior Advisor at the Paulson Institute, where she supports Chairman Henry Paulson on issues related to climate change and sustainable economic growth; and as a nonresident Fellow at the Center on Global Energy Policy at Columbia University. A prolific writer, Gordon maintains a blog, is a regular contributor to the Wall Street Journal as one of the paper's "Energy Experts," and is currently working on a book focused on climate risks faced by fossil fuel-dependent communities. Gordon is perhaps best known for her work as the founder of the "Risky Business Project," co-chaired by Michael Bloomberg, Henry Paulson, and Tom Steyer, and focused on the economic risks the US faces from unmitigated climate change; she continues to represent the project in public and private forums across the US and internationally. Earlier in her career, Gordon served as Senior VP at the non-partisan Center for the Next Generation, where she worked on California policy development as well as large-scale national communications and research projects; VP for Energy and Environment at the Washington DC-based Center for American Progress; and Executive Director of the national Apollo Alliance.

**Sekita Grant****Manager, Policy & Impact Strategy, Emerson Elemental**

Sekita Grant works as the Policy and Impact Strategy manager for Emerson Elemental. In this capacity, Sekita helps to catalyze new approaches to scaling environmental and social good through climate and environment policies. Prior to Emerson Elemental, Sekita worked at the Greenlining institute as Legal Counsel for their Environmental Equity team. In that role, she worked to make energy and climate policies in California equitable and beneficial to communities of color. She came to Greenlining from Business for Social Responsibility, a California nonprofit where she worked as a climate and energy sustainability consultant to large corporations. Prior to that, Sekita worked as a policy advisor at the California Energy Commission in Sacramento. There she served as lead advisor to the chair on climate, transportation, and legal matters.

**Jay Griffin****Commissioner, Hawaii Public Utilities Commission**

James P. Griffin was appointed to the Public Utilities Commission by Governor Ige in May 2017. Commissioner Griffin was previously a faculty member at the Hawaii Natural Energy Institute (HNEI), an independent research institute within the University of Hawaii that conducts clean energy research and development activities. At HNEI, Dr. Griffin worked on research and demonstration projects related to grid integration of renewable energy sources, energy storage, and emerging distributed energy resource technologies. Commissioner Griffin holds a Ph.D. in policy analysis from the Pardee RAND Graduate School, amongst several other masters degrees. He recently participated as a core advisory team member for the US Department of Energy's (DOE) DSPx Initiative.

**Dave Grossman (*Rapporteur*)**

**Principal, Green Light Group**

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. He graduated summa cum laude from Princeton University with a degree in Politics and received his law degree from Yale Law School.

**Jeff Hamel**

**Director, Energy Partnerships, Google**

Jeff Hamel is the head of North American 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 the Executive Director for EPRI's Power Delivery and Utilization team, with responsibilities for growing broad collaboration with global utilities and governmental agencies. Before joining EPRI in 2007, Hamel worked at General Electric for 8 years, and was responsible for managing and leading new growth in GE's power business. Jeff earned his Bachelors of Science, a US Coast Guard Merchant Marine License, and his commission in the US Naval Reserves while attending Massachusetts Maritime Academy. In addition, Jeff has also earned an MBA from Santa Clara University. Together with his wife and two sons, Jeff resides in the San Francisco Bay Area.

**Julia Hamm**

**President and CEO, Smart Electric Power Alliance**

Julia is a visionary non-profit leader at the center of the transformation underway in the electric power sector to a clean and modern energy future. For the past 20 years she has been advising and collaborating with utilities, solution providers and government agencies on business models, grid modernization, and clean energy policies, strategies and programs. Julia guides and oversees all of SEPA's research, education, and collaboration activities for its 1,100 member companies, including over 640 electric utilities. Julia has led the organization through significant expansion in recent years, including rebranding from the Solar Electric Power Association to the Smart Electric Power Alliance, and merging with both the Association for Demand Response and Smart Grid (ADS) and Smart Grid Interoperability Panel (SGIP). She serves on the Transformation Advisory Council for the Puerto Rico Electric Power Authority, as a member of the Keystone Policy Center's Energy Board, and is a member of the board of directors of the Clean Energy Leadership Institute and GRID-Alternatives Mid-Atlantic. 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.

**Emma Hand****Partner, Dentons US LLP**

Emma Hand has been a foundational partner in the development of Dentons' award-winning federal and state regulatory Energy practice. She plays an essential role on teams representing signature clients such as the City of New Orleans and the Municipal Electric Utility Association of New York. She has extensive experience in administrative litigation at the federal and state levels, related appellate practice, energy efficiency and counseling clients with regard to all sources of electric generation. She is highly regarded by her peers, is a Past President of the Energy Bar Association and has served on the boards of directors of the Charitable Foundation of the Energy Bar Association and the Foundation of the Energy Law Journal. She also serves on the George Washington University Law School Energy Law Advisory Board. Her practice focuses on advising public power entities, municipalities, large energy customers and load-serving entities regarding energy law in both regulatory and litigation settings.

**Bryan Hannegan****President and CEO, Holy Cross Energy**

Bryan Hannegan is President and CEO of Holy Cross Energy. Prior to joining Holy Cross in July 2017, Bryan was the Associate Laboratory Director for Energy Systems Integration at NREL, where he co-founded the US Department of Energy's Grid Modernization Initiative and started up the successful Energy Systems Integration Facility (ESIF), a unique "distribution grid in a box" enabling utilities, entrepreneurs and consumers to work together on cleaner, more affordable and more reliable energy systems. Earlier in his career, Bryan served as Staff Scientist to the US Senate Committee on Energy and Natural Resources, then as Associate Director for Energy and Transportation (and later Chief of Staff) for the White House Council on Environmental Quality (CEQ). He also served as acting Special Assistant to the President for Economic Policy, helping to formulate the Advanced Energy Initiative and to implement the Energy Policy Act of 2005.

**Asim Haque****Chairman, Public Utilities Commission of Ohio**

Asim Z. Haque is the chairman and statutory chief executive officer of the Public Utilities Commission of Ohio. He has testified before members of the Ohio General Assembly, the Federal Energy Regulatory Commission, and has educated regulators abroad through formal partnerships with the US Agency for International Development. He serves on the board of directors of the National Association of Regulatory Utility Commissioners (NARUC). He serves on NARUC's Electricity Committee and Critical Infrastructure Committee. He is the immediate past president of the Mid-Atlantic Conference of Regulatory Utilities Commissioners (MACRUC), and serves on the MACRUC board of directors. In addition, Chairman Haque was elected to serve on the Member Representative Committee of North America Electric Reliability Corporation.

**Bruce Harris****Vice President, Federal Government Affairs, Walmart**

Bruce C. Harris is a Senior Director of Federal Government Relations for Wal-Mart Stores, Inc. He currently leads the Washington, D.C. office for the Fortune #1 company, and is responsible for the company's advocacy strategy before the federal government. He leads a team that manages a broad array of complex policy issues, including tax policy, trade, food and agriculture, financial services, healthcare, e-commerce and privacy issues. His responsibilities also include representing the company on all federal legislative and regulatory issues relating to its sustainability agenda, which includes the company's energy and environmental initiatives. Prior to joining Wal-Mart, Mr. Harris was the Chief Policy Advisor for Energy and Air Quality with the House Committee on Energy and Commerce in the US House of Representatives. He represented the committee and its members in negotiations with the US Senate and various branches of the federal government including the Department of Energy, the Federal Energy Regulatory Commission, and Environmental Protection Agency and the Department of Transportation. He began his work with the committee in 2003 and worked on every energy bill passed by the US Congress from 2003 through 2008 including the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Prior to joining the staff of the Committee on Energy and Commerce, Mr. Harris was a Senior Director of Corporate Communications for America Online, Inc. Mr. Harris is a 1992 graduate of the University of Arkansas and holds degrees in English and Communication. He is a member of the Keystone Center Board of Trustees, as well as the board of the Living Classrooms Foundation for the national capital region.

**David Hawkins****Director, Climate Programs, Natural Resources Defense Council**

David G. Hawkins joined the Natural Resources Defense Council's (NRDC) Washington, DC office in 1971 as one of the organization's first staff members. In 1990, Mr. Hawkins became Director of NRDC's Air and Energy Program, and in 2000 he became the Director of NRDC's Climate Center. He assumed his current position as Director, NRDC Climate Programs in 2011. Mr. Hawkins currently serves on the boards of the Woods Hole Research Center, Resources for the Future, the Center for Clean Air Policy, and the Russian Chamber Chorus of New York. Mr. Hawkins participated in the Intergovernmental Panel on Climate Change's Special Report on Carbon Dioxide Capture and Storage and in the IPCC's Fourth Assessment Report on climate change.

**Christopher Herbst****Vice President, Government Programs, Eaton**

Dr. Christopher Herbst serves as Vice President of Government Programs at Eaton, a \$20B power management company. His focus is on creating technology-driven organic growth opportunities and strategic alliances with governments, universities and national laboratories. Herbst has degrees from Columbia University (BA) and Arizona State University (PhD) and was a postdoctoral fellow at Harvard University and Exxon Corporate Research Science Laboratories.

**Robert Hertzberg**  
**California State Senator**

Robert M. Hertzberg, was twice unanimously elected Speaker of the California State Assembly, (2000 – 2002). Now, after a 12 year hiatus from government, he is a State Senator (elected in 2014), proudly serving nearly a quarter of the City of Los Angeles. Bob serves as Chairman of the Senate Committee on Natural Resources and Water, as well as a member of the Senate Committee on Energy, Utilities and Communications, among other committees. During his time out of government, Bob was an active entrepreneur and leader in global policy in renewable energy. In 2005, One of the companies he founded won the Wall Street Journal Award for Innovation in the field of energy, and in 2008, The Guardian (UK) named him as one of the “50 People Who Could Save the Planet.” His former company won the “World Bank Award, for Lighting Africa,” for a project in Rwanda. He personally was recognized in the UK as one of the 12 Forces for Good Pioneers, across the globe. Bob has appeared on CBS Evening News, NBC Nightly News, CNN, BBC, Nightline, and has been featured in articles in The Economist, Fortune Small Business, and Financial Times. The Los Angeles Times named him one of the 100 most influential people in Los Angeles.

**Joseph Hezir**  
**Principal, Energy Futures Initiative**

Joseph S. Hezir is a Principal of the Energy Futures Initiative and served as Chief Financial Officer and Senior Advisor to the US Secretary of Energy from 2013 to 2017 including strategic initiatives and management organization. As a senior advisor, Mr. Hezir provided key contributions to the Quadrennial Energy Review, the Quadrennial Technology Review, collective energy security policy, and National Laboratory strategic partnerships. Previously, Mr. Hezir was senior member of the Massachusetts Institute of Technology Energy Initiative, where he was Executive Director of The Future of Solar Energy study and a co-author of The Future of Natural Gas study. He led the analysis of industry demand opportunities for natural gas and natural gas liquids and co-led a meta-analysis of the environmental impacts of hydraulic fracking and a modeling analysis of natural gas substitution in electric power generation. Mr. Hezir co-founded and served as Managing Partner of the EOP Group, Inc., advising corporations, non-profit organizations, and industry trade associations on environmental, energy and federal budget and regulatory policy. He served for eighteen years at the White House Office of Management and Budget, becoming the senior career official responsible for federal energy, science and technology, and space exploration policies and budgets. Mr. Hezir holds a B.S. in Chemical Engineering from Carnegie-Mellon University and M.S. from the Carnegie-Mellon University, Heinz School of Public Policy.

**Colette Honorable**  
**Partner, Reed Smith LLP**

Colette is a member of Reed Smith’s Energy and Natural Resources Group resident in the Washington, DC office. Colette is a highly regarded policy maker in domestic and international energy sectors. Colette recently served as Commissioner at the Federal Energy Regulatory Commission (FERC). She was nominated by President Barack Obama in August 2014, and unanimously confirmed by the US Senate in December 2014 for a term that expired in June 2017. Colette joined the FERC from the Arkansas Public Service Commission (PSC), where she served since October 2007, and led as Chairman from January 2011-January 2015.

**Amy Myers Jaffe****Senior Fellow and Director, Council on Foreign Relations**

Amy Myers Jaffe is the David M. Rubenstein senior fellow for energy and the environment and director of the program on Energy Security and Climate Change at the Council on Foreign Relations. A leading expert on global energy policy, geopolitical risk and energy and sustainability, Jaffe previously served as executive director for energy and sustainability at the University of California, Davis and senior advisor for energy and sustainability at Office of the Chief Investment Officer of the University of California, Regents. She was also formerly a global fellow at the Woodrow Wilson International Center for Scholars. Prior to joining the University of California, Davis, Jaffe served as founding director of the Energy Forum at Rice University's James A. Baker III Institute for Public Policy and its Wallace S. Wilson fellow for energy studies.

**Val Jensen****Senior Vice President, Strategy and Policy, Exelon**

As senior vice president for Strategy and Policy, Mr. Jensen is responsible for formulating and executing the strategic framework and long-term road map for the Exelon Utilities' technology and business evolution. The position will lead the development of both operating and revenue models to support the utilities' platform. Previously, Mr. Jensen served as senior vice president for Strategy and senior vice president of Customer Operations at Commonwealth Edison. In those positions he directed development and delivery of the Company's customer-facing products and services, including the customer contact center, eChannels, metering, billing and ComEd's \$350 million annual portfolio of demand response and energy efficiency programs. He also was responsible for deployment and management of ComEd's AMI system and associated customer products and services. Prior to joining ComEd in 2008, Mr. Jensen held a variety of positions with ICF International, the US Department of Energy and the State of Illinois. Val serves on the boards of the Alliance to Save Energy, Chicago Lighthouse for the Blind and the Energy Foundry, and previously served on the US DOE's Electricity Advisory Committee. He was a founding board member of the Midwest Energy Efficiency Alliance. He holds a BA from Hamline University and a MPA from the Humphrey Institute of Public Affairs at the University of Minnesota.

**Melanie Kenderdine****Principal, Energy Futures Initiative**

Melanie Kenderdine is a principal of the Energy Futures Initiative and EJM Associates and a non-resident senior fellow at the Atlantic Council, a Washington think tank. Kenderdine served at the DOE from May 2013 - January 2017, as the Energy Counselor to the Secretary and concurrently as the Director of DOE's Office of Energy Policy and Systems Analysis. Her 100-person office was responsible for analysis and policy development in areas that included: energy innovation; climate change; energy security; energy systems and infrastructure; and North American energy integration. Prior to her service at DOE, Ms. Kenderdine helped to establish the MIT Energy Initiative (MITEI) and served as its Executive Director. Before joining MITEI, Ms. Kenderdine served as the Vice President of Washington Operations for the Gas Technology Institute from 2001 to 2007.

**Maria Korsnick****President and CEO, Nuclear Energy Institute**

Maria Korsnick is president and chief executive officer of the Nuclear Energy Institute, the nuclear industry's policy organization in Washington, D.C. Drawing on her engineering background, hands-on experience in reactor operations and a deep knowledge of energy policy and regulatory issues, Korsnick aims to increase understanding of nuclear energy's economic and environmental benefits among policymakers and the public. Before joining NEI, she was senior vice president of Northeast Operations for Exelon, responsible for overseeing operation of the Calvert Cliffs 1 and 2, R.E. Ginna, and Nine Mile Point 1 and 2 nuclear power plants. Before Exelon, Korsnick served as chief nuclear officer (CNO) and acting chief executive officer at Constellation Energy Nuclear Group. She began her career at Constellation in 1986 and held positions of increasing responsibility, including engineer, operator, manager, site vice president, corporate vice president, and CNO. Korsnick holds a bachelor's degree in nuclear engineering from the University of Maryland, and has held a Senior Reactor Operator license. She lives in Maryland with her husband and two children.

**John Kotek****Vice President, Policy Development and Public Affairs, Nuclear Energy Institute**

John Kotek is Vice President for Policy Development and Public Affairs at the Nuclear Energy Institute. He is responsible for providing policy and public affairs leadership on financial, economic, electricity market and environmental issues related to the nuclear energy industry. John was appointed in January 2015 as Principal Deputy Assistant Secretary for the Office of Nuclear Energy within the US Department of Energy, and was nominated by President Obama in October 2015 to serve as Assistant Secretary for Nuclear Energy. Prior to his appointment, John was the Managing Partner of the Boise office of Gallatin Public Affairs. From 2010-2012, John served as Staff Director to the Blue Ribbon Commission on America's Nuclear Future, which recommended a new strategy for managing nuclear waste in the United States. In 2002, John was the American Nuclear Society's Glenn T. Seaborg Congressional Fellow, serving in the Office of Senator Jeff Bingaman (D-NM). John began his career with the US Department of Energy in 1989, and from 1999 to 2003 was a nuclear energy R&D program manager at Argonne National Laboratory's ANL-West site in Idaho. John holds a BS in Nuclear Engineering from the University of Illinois and an MBA from the University of Maryland.

**Constance Lau****President and CEO, Hawaiian Electric Industries, Inc.**

Constance H. Lau is president and CEO of Hawaiian Electric Industries (HEI) and chairman of the boards of Hawaiian Electric Company, HEI's utility subsidiary which provides electricity to 95% of the state of Hawaii, and of American Savings Bank, HEI's banking subsidiary and third largest Hawaii bank. Connie is a C3E Clean Energy, Education and Empowerment Ambassador for the Department of Energy and was 2011 Woman of the Year for the Women's Council on Energy and the Environment. Connie chairs the National Infrastructure Advisory Council which advises the President on the security of the sixteen critical infrastructure sectors and their information systems and serves on the Electricity Subsector Coordinating Council which represents the industry with the federal government. She was one of U. S. Banker's 25 Most Powerful Women in Banking for 2004, 2005 and 2006 when she headed American Savings Bank. She serves on the boards of Edison Electric Institute, Associated Electrical & Gas Insurance Services, Matson, Elemental Excelsior, Asia Pacific Center for Security Studies, Hawaii Business Roundtable, Punahou School and Consuelo Foundation. Connie holds a B.S. from Yale College, a J.D. from UC Hastings College of the Law and an MBA from Stanford Graduate School of Business.

**Robert Leland****Associate Lab Director, Scientific Computing and Energy Analysis, NREL**

Robert Leland leads NREL's capabilities in high-performance computing, computational science, applied mathematics, visualization, data, and analysis of energy systems, technologies, policies, resources, and markets. Formerly Vice President of Science and Technology and Chief Technology Officer of Sandia National Laboratories, Leland is the first associate lab director for NREL's Scientific Computing and Energy Analysis directorate. Leland earned his Ph.D. in mathematics from Oxford University in 1989. He joined Sandia the following year and co-authored Chaco, a software toolkit used to optimize the performance of supercomputers. With the exception of two notable postings in Washington, D.C., Leland has spent his career at Sandia. He was chosen to be a White House fellow in the 1995 and served as a key adviser in the effort to modernize the IT infrastructure and business practices at the Internal Revenue Service. He returned to the White House in 2014 to lead the development of the National Strategic Computing Initiative, a new national vision, strategy, and roadmap for high-performance computing.

**Peter Light****Lead, Early-Stage Project, X**

Peter is passionate about commercializing clean energy. Today, Peter works at X, an innovation lab spun out from Google focused on inventing and launching “moonshot” technologies that make the world a radically better place. Peter previously led Global Product Management at Bloom Energy. An accomplished sculptor and pilot, Peter holds degrees in Mechanical Engineering and Visual Art from Brown University.

**Joe Lima****Director, Environmental Sustainability, Schlumberger**

Joe Lima is the Director of Global Environmental Sustainability for Schlumberger. Before this role, Joe served as Global Environmental Solutions Manager for Schlumberger Well Services where he was responsible for developing technologies that reduce the overall completion footprint as well as the development of the Schlumberger chemical disclosure process. From 2008 through 2010, Joe served as the Unconventional Resources Theme Manager for North America where he was responsible for directing technology development and application throughout the region specifically for shale and tight gas environments. Joe currently represents Schlumberger on the National Academies of Sciences, Engineering and Medicine Unconventional Hydrocarbon Roundtable. He holds a Bachelor of Science degree in Petroleum Engineering from Marietta College, Marietta, OH.

### **Dawn Lippert**

#### **CEO, Elemental Excelsator; Director of Innovation and Community, Emerson Elemental**

Dawn Lippert is the co-founder and director of the Energy Excelsator, a startup program dedicated to solving the world's energy challenges, starting in Hawaii. The Energy Excelsator helps innovative energy companies succeed in Hawaii and the Asia Pacific with funding up to \$1M per company, strategic relationships, and a vibrant ecosystem. The program is funded by \$30M from the US Office of Naval Research, the US Department of Energy, and private investors. Before moving to Hawaii in 2009, Dawn was a management consultant with Booz Allen Hamilton's alternative energy team in Washington DC. While at Booz Allen, she helped implement the Hawaii Clean Energy Initiative, a partnership between US Department of Energy and the State of Hawaii to transform Hawaii from 90% oil dependence to 70% clean energy by 2030. She has also worked on clean energy and environmental projects in India, Africa, and Latin America. In addition to leading the Energy Excelsator, Dawn founded and serves as president of WiRE (Women in Renewable Energy), a not-for-profit organization with over 200 members. Dawn graduated cum laude from Yale University with a B.A. in environmental studies, and received her Master's degree from the Yale School of Forestry and Environmental Management.

### **Amory Lovins**

#### **Cofounder and Chief Scientist, Rocky Mountain Institute**

Physicist Amory Lovins is cofounder, Chief Scientist, and Chairman Emeritus of Rocky Mountain Institute; advisor to major firms and governments worldwide on advanced energy efficiency, renewables, and energy strategy; and author of 31 books and over 600 papers. An honorary architect, Swedish engineering academician, and former Oxford don, he has taught at ten universities, most recently Stanford and the Naval Postgraduate School, and is on the National Petroleum Council. In 2009, Time named him one of the world's 100 most influential people, and Foreign Policy, one of the 100 top global thinkers. In 2016, the President of Germany awarded him the Officer's Cross of the Order of Merit.

### **Mark Lundstrom**

#### **Founder and CEO, Radia, Inc.**

Mark is a serial cross-industry entrepreneur, having co-founded companies in material science, satellite communications, software, bioscience, energy/environment, and aerospace. Most recently, Mark founded and is CEO of Radia, Inc. Radia provides innovative solutions at the interface of environment/energy/aerospace. Previously, Mark founded BioScale, which is transforming chronic disease management through novel bioclinical analytics and digital health technologies. Prior to BioScale, Mark co-founded Active Control eXperts, Inc. (CYMI), which made piezoelectric systems to control vibrations. Mark also founded wireless software provider Ripcord Systems (SoftBank). He was on the start-up team at Teledesic, building the world's first satellite-based global broadband internet, and worked at NASA/JPL and Boeing. Mark served on the Board of Directors of MIT and today he serves on the advisory board of the Columbia University Center on Global Energy Policy and is a member of the Council on Foreign Relations. Mark earned his Economics MPhil from Oxford, as a Rhodes Scholar, and an MBA from MIT's Sloan School as a Leaders for Manufacturing Fellow. He earned BS/MS in Aero/Astro from MIT. He is a 2013 Henry Crown Fellow and a member of the Aspen Global Leadership Network.

**William Massey****Senior Counsel, Covington & Burling, LLP**

Bill Massey served as a Commissioner of the Federal Energy Regulatory Commission for over a decade during the restructuring of the natural gas and electricity industries and the formation of the RTOs. Before FERC, he served as chief counsel to U.S. Senator Dale Bumpers, a senior member of the Senate Committee on Energy & Natural Resources. Bill is an Adjunct Professor at the Georgetown University Law Center, where he teaches a course on energy markets and regulation. He chairs the energy practice at Covington & Burling LLP where he advises on mergers and acquisitions, transmission and pipeline infrastructure, renewable energy, market structure and enforcement. His clients include power and gas project developers, investment firms, utilities, independent power producers, pipelines and large energy consumers. He is recognized by Chambers Global, Legal 500 and other legal rankings for his representation of clients in the electricity and natural gas industries.

**Richard Newell****President and CEO, Resources for the Future**

Dr. Richard G. Newell is the President and CEO of Resources for the Future (RFF), an independent, nonprofit research institution that improves environmental, energy, and natural resource decisions through impartial economic research and policy engagement. From 2009 to 2011, he served as the administrator of the US Energy Information Administration. Dr. Newell is an adjunct professor at Duke University, where he was previously the Gendell Professor of Energy and Environmental Economics and founding director of its Energy Initiative and Energy Data Analytics Lab. He has also served as the senior economist for energy and environment on the President's Council of Economic Advisers and was a senior fellow, and later a board member, at RFF. He is a member of the National Petroleum Council and has provided expert advice to many institutions, such as the National Academy of Sciences, the Intergovernmental Panel on Climate Change, and the International Energy Forum.

**Mary Nichols****Chairman, California Air Resources Board**

Mary D. Nichols is Chair of the California Air Resources Board, a post she has held since 2007. She also served as Chair of the Air Resources Board from 1979-1983. Nichols has devoted her entire career in public and nonprofit service to advocating for the environment and public health. In addition to her work at the Air Board, she has served as Assistant Administrator for the US Environmental Protection Agency's Air and Radiation program under President Clinton, Secretary for California's Resources Agency from 1999 to 2003 and Director of the Institute of the Environment at the University of California, Los Angeles. Her priorities as Chair include moving ahead on the state's landmark climate change program (AB 32), steering the Board through numerous efforts to curb diesel pollution at ports and continuing to pass regulations aimed at providing cleaner air for Southern California and the San Joaquin Valley.

**Dean Nishina****Executive Director, Division of Consumer Advocacy**

Dean Nishina is the executive director of the Division of Consumer Advocacy, which is tasked with the responsibility of representing consumers' interests related to regulated utilities and transportation services. Dean has been with the Division for 25 years serving in various roles and has experience in market transformation processes, such as when Hawaii went through its competitive telecommunications proceedings and the initiation of the clean energy initiative, as well as all other regulatory matters. Prior to joining the Division, Dean worked in Arthur Andersen's audit division that focused on clients that were utilities, transportation, and government entities, such as Commonwealth Edison, Ameritech (now a part of AT&T), and Chicago NorthWestern Transportation Company (now defunct).

**Francis O'Sullivan****Director of Research and Analysis, Energy Initiative, MIT**

Francis O'Sullivan is Director of Research and Analysis at the MIT Energy Initiative, and a Senior Lecturer at the MIT Sloan School of Management. His research interests span a range of topics related to energy technologies, policy, and economics. His current research is focused on unconventional oil and gas resources, the energy-water nexus, and solar energy. He has extensive expertise regarding the production dynamics and associated economics of North America's shale plays. His work also includes the study of global gas market dynamics and the LNG trade, and he is actively studying the implications for international energy markets of emerging unconventional hydrocarbon resource plays, particularly those in China and Australia. He is an author of the 2011 MIT Future of Natural Gas Study, and a member of the MIT Future of Solar Energy study group. O'Sullivan is also an elected member of the National Academies' Roundtable on Science and Technology for Sustainability.

**Jennifer Owen****Consultant**

Jennifer Owen is an attorney with more than 15 years of experience in federal law, policy, and regulation. She has worked in energy project development, energy and environmental compliance, and federal policy development, including working on both the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Jennifer worked in the US Senate, at the US Department of Energy, and as an attorney in private practice at Van Ness Feldman, specializing in clean energy projects. In addition to her work in energy and environmental law and policy, Jennifer has extensive background in nonprofit organizational management. She currently leads a \$4 million nonprofit organization in Billings, Montana, dedicated to providing quality early childhood education to at-risk preschool children. Prior to that, Jennifer served as Executive Director of Clinica Verde, a US-based NGO operating in rural Nicaragua, bringing the highest quality of health care to women and children living in extreme poverty. Outside of work, Jennifer's time is focused on raising her 4-year-old son. Jennifer is active in her church and works with various community organizations to improve outcomes for young children and their families in the Billings area.

**Michael Picker****President, California Public Utilities Commission**

Michael Picker was named President of the California Public Utilities Commission (CPUC) on December 23, 2014, by Governor Edmund G. Brown Jr. Prior to his appointment, President Picker was Senior Advisor for Renewable Energy in the Office of the Governor from 2009 to 2014. He was a member of the Sacramento Municipal Utility District Board of Directors from 2012-2014. President Picker is a former lecturer at UCLA's Graduate School of Architecture and Urban Planning, and instructor at Occidental College's Urban and Environmental Policies Institute. He holds an MBA from UC Davis, specializing in marketing, social marketing, and nonprofit management.

**Renee Pirrong****Manager, Research and Analytics, Tellurian Inc.**

Renee Pirrong is responsible for global gas research and fundamentals analysis at Tellurian Inc. She started her career at Cheniere Energy in 2011. She was also the first business hire for oil and gas at Uptake, a predictive analytics technology startup. Renee holds a master's degree in International Affairs, a bachelor's degree in Economics from Texas A&M and is published in the peer-reviewed Journal of Economic Affairs.

**Drew Pomerantz****Principal Research Scientist, Schlumberger**

Andrew (Drew) E. Pomerantz is a Principal Research Scientist at Schlumberger. His background is in chemistry (PhD from Stanford in 2005), and he has co-authored 80 peer-reviewed publications and 20 granted US patents. His research focuses on the development of novel techniques to characterize the chemical composition of complex organic mixtures relevant to the oil and gas industry, including methods in spectroscopy, mass spectrometry, atomic force microscopy, and gas adsorption. The resulting molecular information is used to understand fundamental physical and chemical processes such as petroleum generation, storage and transport in shales, and asphaltene compositional grading, all of which may expedite the process of discovering and producing conventional and unconventional oil and gas. Additionally, Drew leads an effort to develop more environmentally sustainable businesses within the context of the oil and gas industry. A focus area is the development of novel technology to identify and prevent methane emissions in the upstream industry. Other areas include topics where the oil and gas industry's knowledge of the subsurface may provide a competitive advantage, such as geothermal energy, subsurface energy storage, and subsurface biogas production.

**Brad Powell****Managing Director, Investments, Emerson Collective**

J. Brad Powell is the Managing Director of Investments for Emerson Collective. In this position Brad oversees the financial and investment activity of Emerson. This requires directing diligence work, coordinating research and advising the founders and entrepreneurs who operate the companies within Emerson's portfolio. He is a member of, and advisor to, several boards of both private for-profit and non-profit organizations. In addition to this role Brad has primary responsibility for driving the Community Impact work of the Collective. Prior to joining Emerson Brad's career spanned many different sectors including public accounting, management consulting, financial services and commercial real estate. He has launched and built several startups and worked in large corporate and multi-national organizations. He has undergraduate degrees in accounting and computer science and was a certified public accountant. Brad has two graduate degrees from the Massachusetts Institute of Technology – a Masters of Science in Real Estate and an MBA from the Sloan School of Management.

**Richard Powell****Executive Director, ClearPath Foundation**

Rich Powell is the Executive Director at ClearPath Foundation, where he leads the day-to-day operations of ClearPath programs including policy and strategy. He focuses on educating policymakers on investing wisely in energy innovation, and maintaining and promoting baseload clean energy resources. Rich also leads ClearPath's external advocacy and research partnerships with non profits, academia, and the private sector. Previously, Rich was with McKinsey & Company in the Sustainability and Resource Productivity Practice. He focused on clean energy strategy, residential energy efficiency, low carbon growth, and clean tech market entry. He served clients across the private, public, and social sectors.

**Anne Pramaggiore****Senior Executive Vice President and CEO, Exelon Utilities**

Anne Pramaggiore is senior executive vice president and CEO of Exelon. Pramaggiore joined ComEd in 1998. 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, Pramaggiore was appointed as ComEd's COO. In that role, she led the company's effort to set the legislative framework for ComEd's smart grid build-out. Pramaggiore 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. Pramaggiore serves as a board member of Chicago Federal Reserve Board, Motorola Solutions, Inc., Babcock and Wilcox Enterprises and several civic and community organizations. 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.

**Gil Quiniones****President and CEO, New York Power Authority**

Gil C. Quiniones has served as President and Chief Executive Officer of the NYPA, the largest state-owned electric utility in the nation, since 2011. He is responsible for developing and implementing the statewide utility's mission and strategic vision to serve customers and mission. Under his leadership, NYPA is currently playing a key role in fulfilling Gov. Cuomo's landmark energy policies, Reforming the Energy Vision and the Clean Energy Standard. Quiniones serves on the Board of Directors of the New York State Energy Research and Development Authority; is a board member of the Large Public Power Council and the Alliance to Save Energy and NYPA's principal representative to the American Public Power Association. He is also a member of the board of directors of the Gridwise Alliance and the Electricity Subsector Coordinating Council.

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

Justin Segall is the President and Founder of Simple Energy, an energy customer engagement software company. Simple Energy delivers a turnkey solution to help utilities build a customer relationship for the future by motivating customer action and streamlining transactions and program adoption. The Simple Energy customer engagement and marketplace solutions use data science, behavioral psychology, energy analytics, and integrated incentives with e-commerce to deliver energy and demand savings while enabling distributed energy resource adoption. With years of experience serving utilities across the US and Canada, Simple Energy offers proven technology and marketing capabilities to help utilities profit from the sale of new products and services while improving customer satisfaction and loyalty. Justin brings experience in the energy industry, community engagement, and business development. Justin leads market strategy, partnerships, sales and customer operations for Simple Energy. Previously he served as VP of Resource Development for Renewable Choice Energy. Justin led the firm's trading and origination, executing significant transactions in renewable energy and carbon markets. Previously Justin served in senior roles with the \$3 billion Atlanta BeltLine project, the largest, most comprehensive sustainable urban redevelopment project in the US. He helped secure project funding and led many early elements of project implementation. Justin graduated cum laude from Duke University where he spearheaded Duke's path to leadership in sustainability. Justin lives in Boulder, CO with his wife and 2 kids.

**Steph Speirs****Co-Founder and CEO, Solstice**

Steph is a social entrepreneur and community builder with operational experience in the US, Middle East, and South Asia. She was selected as an Echoing Green Climate Fellow, a Global Good Fund Fellow, a Grist 50 Fixer, a Kia Revisionary, and an Acumen Global Fellow, all of which recognize emerging leaders in social enterprise. She previously led sales and marketing innovation initiatives at d.light India, a solar products company powering areas without reliable electricity; spearheaded Acumen's renewable energy sector investment strategy in Pakistan; developed Middle East policy as the youngest Director at the White House National Security Council; and managed field operations in seven states for the first Obama presidential campaign.

**James Spiers****Senior Vice President, Business & Technology Strategies, NRECA**

Jim Spiers joined NRECA in June 2014 and is now the senior vice-president of business and technology strategies. 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. He has also served as Director of the Colorado Public Utilities Commission and is a licensed attorney and Army Veteran. In his role at NRECA, Spiers leads the department that comprises all technical, engineering and economic support, research and technology transfer. This includes development of products and services provided directly to the membership and within NRECA in collaboration with all other departments to fulfill membership needs, focused on distributed energy resources, distribution optimization, strategic initiatives and cooperative systems, such as broad band, electrification and R&D where the current research portfolio consists of over \$20 million in DOE, ARPA-e and DARPA grants and awards. Spiers leads technology partnership development with Service Cooperatives and vendor Associate Members as strategic partners with cooperatives.

**Mark Stubbe****Senior Vice President, Strategy and Business Development, Tellurian Inc.**

Mark joined Tellurian in January 2017 and serves as the SVP for Strategy and Business Development. He is responsible for Strategy, Business Development, Upstream and Gas Supply activities. He has more than 30 years of experience in the oil, natural gas and power industries. Previously, Mark served as Senior Vice President Marketing and Trading at Cheniere; President Dynegy Gas Liquids, President Dynegy Telecommunications and SRVP Dynegy Gas and Power Origination. Additionally, he served in various senior positions at Chevron in Production, Marine and Finance organizations in the US, Europe and Asia. Mark is a former member of the Management Boards of GNL Penco SpA, Nicor Energy LLC, South Star LLC and Dynegy Connect. He earned a BA from the University of the Pacific.

**Devon Swezey****Global Energy Market Development and Policy, Google**

Devon works on Google's Global Energy Market Development and Policy team, where he focuses on opening new markets for renewable energy in regions where Google operates. He previously worked as a utility scale solar project developer for First Solar, and was formerly a Project Director at the Breakthrough Institute, an energy policy think tank. He received his Masters in International Economics from Johns Hopkins University School of Advanced International Studies, and a Bachelors in International Relations from Stanford University.

## **Michael Terrell**

### **Head of Energy Market Development, Google**

Michael Terrell leads global energy market strategy at Google where he is part of the business team responsible for the company's data centers and global energy portfolio. In this role, Michael advanced new approaches to Google's procurement of over 3GW of renewable power, pioneered breakthrough renewable energy purchase programs and delivered landmark projects such as converting a retired coal plant into a state-of-the-art data center. He served in a variety of roles in the Federal government including the White House, where he helped guide US policy on energy and environmental issues. He holds degrees from the University of Michigan Law School, Yale's Environment School and the University of the South. Michael represents Google through speaking appearances, testimony and official Google blogs, and has appeared in major media including The New York Times, Financial Times, Bloomberg, Forbes, Fortune and NPR.

## **Clint Vince**

### **Chair, Global Energy Sector, Dentons US LLP**

Clint Vince is the chair of Dentons' Energy sector. Clint is rated as one of the leading energy attorneys in the US and 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. Clint also co-chairs Dentons' Global Energy Practice. 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. Clint has handled more than 600 regulatory and litigation proceedings and argued before trial and state appellate courts; numerous US District Courts; and the US Courts of Appeals for the First, Second, Fourth, Fifth, Eighth, Tenth, Eleventh and District of Columbia Circuits; and the Supreme Court of the United States, in some instances multiple times. He serves as a member of the Board of Directors for the World Resource Institute (2011-present) and the Alliance to Save Energy (2014-present). Clint is a past editor-in-chief of the Energy Law Journal and has served as co-chair of the prestigious Keystone Policy Center, a 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 for many years 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.

## **Jan Vrins**

### **Managing Director, Global Energy Leader, Navigant Consulting, Inc.**

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.

**Matthew Walters****US Head, Distributed Energy Systems, Siemens Energy Inc.**

Since appointed to as the Head of the United States Center of Competence for Distributed Energy Systems (DES) in 2015, Matthew has been leading a team dedicated to helping public and private sector companies make smart, sustainable investments in distributed energy systems. The Mission of the DES Center of Competence (CoC) is to position Siemens as the preferred solutions provider for Distributed Energy Systems. To accomplish this goal, the CoC team develops cross-Division business opportunities, technology/engineering expertise, financial offerings, new business models and establishing Siemens as a thought leader in DES. In this role, Matthew is responsible for driving growth across the Siemens Distributed Energy Systems portfolio, and driving excellence in customer project execution. Matthew has focused his career in energy project development, commercial advisory, structured finance and strategic planning. He came to Siemens from Pace Global's consulting practice serving in his most recent role as Director of Energy Project Development and Commercial Advisory. Matthew's primary focus has been serving clients across Commercial and Industrial markets, Mining and Metals, Utility, IPP, and Financial Sectors. He holds a M.S. in Mechanical Engineering from Johns Hopkins University, a B.S. in Physics from the University of the South (Sewanee) and is a licensed Professional Engineer.

**Jeff Weiss****Co-Chairman and Managing Director, Distributed Sun**

Jeff Weiss co-founded Distributed Sun (DSUN) in 2009 and is Co-Chairman and Managing Director. DSUN develops and operates Community Solar, C&I and Utility scale projects in eleven states. Jeff leads capital formation, business development, strategy and governance. An early digital media and commerce entrepreneur, Jeff has led companies in digital media, renewable energy, cyber & physical security, intelligence & corporate fraud mitigation, mission preparedness and training, software development, & transformational management. Jeff graduated from Cornell and Wharton; is Washington Leadership Co-Chairman of Business Executives for National Security (BENS); is Board member of the Atkinson Center for Sustainability and is Trustee Council member of Cornell University; serves on the Executive Committee of DC's oldest synagogue; is past Co-Chair of the Aspen Institute's Socrates Society and founding director of Shenandoah National Park Trust.

**Pat Wood, III****Principal, Wood3 Resources**

Energy infrastructure developer Pat Wood, III is the past Chairman of the Federal Energy Regulatory Commission and of the Public Utility Commission of Texas. Wood has been a forceful advocate for competitive markets, and he is best-known for his role in building the Texas competitive power industry and in expanding organized wholesale power markets across the United States. Today, Wood's development focus is on clean power generation, independent power transmission and new energy technologies. He works closely with Sharyland/Hunt Power/InfraREIT in the development of energy infrastructure throughout the Southwestern US Wood is the Lead Independent Director of integrated solar company SunPower and Director of utility construction firm Quanta Services. He serves on the Executive Board of Big Brothers Big Sisters Lone Star, the National Petroleum Council, the National Renewable Energy Laboratory External Advisory Council, and the Texas A&M Smart Grid Council.

## THE ASPEN INSTITUTE

### **Maggie Carroll**

#### **Energy Program Manager, Energy and Environment Program, The Aspen Institute**

Maggie Carroll is a Program Manager with the Energy and Environment Program at the Aspen Institute. In this role, she helps to facilitate EEP convenings and works on energy and environmental issues, including EEP's energy and governance roundtable series, annual energy forums, and other energy and environmental work. Prior to joining EEP, Maggie served as a Program Manager at OurEnergyPolicy.org, helping to facilitate substantive dialogue on energy policy as a resource to policymakers, the general public, and media. Previously, she also worked as an environmental consultant for Geo-Technology Associates, Inc. She received a MS in Environmental Science and Policy from Johns Hopkins University and a BA in Environmental Studies from Dickinson College. Maggie is a registered yoga teacher and enjoys practicing yoga and hiking in her free time.

### **Nikki DeVignes**

#### **Assistant Director of Operations, Energy and Environment Program, The Aspen Institute**

Nikki DeVignes is the Assistant Director of Operations with the Energy and Environment Program where she leads operations, logistics, finance, and accounting as well as provides critical support for all aspects of the program's forums and convenings. Nikki started as a summer intern working on the Aspen Environment Forum with National Geographic while attending the University of Virginia, where she attained a BA in International Relations.

### **Anna Giorgi**

#### **Environment Program Manager, Energy and Environment Program, The Aspen Institute**

Anna Giorgi is a Program Manager with the Energy and Environment Program at the Aspen Institute. In this role, she helps to facilitate EEP convenings and works on energy and environmental issues, including EEP's annual energy forums as well as several international environmental roundtables. Anna joined the Aspen Institute in 2015 as part of another program, the Aspen Strategy Group, where she worked on the US-India Strategic Dialogue, the Aspen Ministers Forum, and the ASG Summer Workshop. Before ASG, Anna was an Advocacy Intern at the International Crisis Group, where she assisted the Middle East and North Africa Program. She also interned in the program's department of the Chicago Council on Global Affairs. Anna is a graduate of Brown University where she earned her BA in International Relations and Italian Studies. While an undergraduate, she spent her junior year studying at the University of Bologna, Italy. Anna is originally from Chicago, Illinois.