



**Roosevelt Strategic Council**

Collaborate. Innovate. Advance

---

# **SPEAKER BIOGRAPHIES**

---

Microgrids & DERS Summit, SEPT 17 – 18 , 2019

**Mr. Bruce J. Walker**, Assistant Secretary, Office of Electricity and Acting Assistant Secretary, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy



Bruce J. Walker was nominated by President Donald J. Trump and confirmed by the U.S. Senate as Assistant Secretary for the Office of Electricity (OE) at the U.S. Department of Energy (DOE) in October 2017. The focus of his responsibility is to provide leadership on a national level to modernize the electric grid, enhance the security and reliability of the energy infrastructure, and facilitate recovery from disruptions to the energy supply both domestically and internationally. This is critical to meeting the Nation's growing demand for reliable electricity by overcoming the challenges of our Nation's aging electricity transmission and distribution system and addressing the vulnerabilities in our energy supply chain.

He holds a Bachelor of Electrical Engineering from Manhattan College and a Juris Doctor in Law from Pace University where he was the technical editor on the Environmental Law Review and received an Environmental Law Certificate. He has completed the Distribution Systems program from Siemens – Power Technologies International. He is a distinguished graduate of the United States Air Force Academy Preparatory School and received an Honorable Discharge from the United States Military Academy.

**Military Leadership Panel Moderator: Michael Wu, Principal, Converge Strategies**



Michael has strong working relationships within the U.S. military, and a deep expertise related to how defense energy business is transacted. Michael previously served as a senior advisor on energy resilience and clean energy in the U.S. Air Force. In that role, he founded the Resilient Energy Demonstration Initiative (REDI), and helped create the Air Force Office of Energy Assurance. Previously, Michael founded the Defense Energy Program at the Truman National Security Project, which developed and advocated for policy supportive of the military's clean energy and energy resilience initiatives.

Michael is a graduate of St. John's College and Washington University in St. Louis School of Law and serves as an officer in the Judge Advocate General Corps of the United States Army Reserves. He is a Fellow with the Resource Security Program at New America.

**Mr. James Balocki,) Deputy Assistant Secretary of the Navy (Installations and Facilities)**



Mr. Balocki was appointed as Deputy Assistant Secretary of the Navy for Installations and Facilities in October 2016. He is the principal advisor to the Assistant Secretary of the Navy (Energy, Installations and Environment) on Navy and Marine Corps policies related to military construction, facilities sustainment, restoration and modernization; acquisition, use and disposal of real property and facilities. Mr. Balocki served previously as the Chief Executive Officer and Director Services and Installations of the US Army Reserve at Fort Bragg, NC. He was responsible for the command's facilities and infrastructure worldwide, operation of classified and unclassified information networks, acquisition of services and supplies, and management of 12,000 DoD civilians.

From 2009 through 2013 Mr. Balocki held two senior executive service positions with the US Army Corps of Engineers in Washington, DC, where he was responsible for engineering, infrastructure, environmental, scientific, and technical support to the Services, combatant commands and embassies; federal, state and local government agencies; foreign governments; and non-governmental organizations. Mr. Balocki deployed to Afghanistan in 2011, serving as the Director, Joint Programs Integration Office, Headquarters, US Forces-Afghanistan. He oversaw US and NATO construction programs to establish Afghan National Army and Police forces. He also worked closely with the State Department, US Agency for International Development, and the Government of Afghanistan.

Mr. Balocki was selected to the Senior Executive Service in July 2009 after completing a 28 year career as an active duty Engineer Officer in the Army. Mr. Balocki's significant training includes attending the National Defence College, Islamabad, Pakistan; CAPSTONE, National Defense University; and Senior Executive Fellow, Harvard University. He holds master's degrees in Civil Engineering, Systems Management, and Defence and Strategic Studies. Mr. Balocki maintains a current Professional Engineer license in the Commonwealth of Virginia.

He is a member of the American Society of Civil Engineers. His awards and decorations include the Meritorious Civilian Service Award, Army Engineer Regiment, Silver deFluery Medal, Legion of Merit, and American Society of Civil Engineers "Best Practice Paper." Mr. Balocki has published several articles related to resume and interview preparation, passing a SES qualification review and hiring federal employees.

**Dr. Lance Hansen, SES, Executive Director, CERL, ARDC**



Selected to the Senior Executive Service in May 2018, Dr. Lance Hansen serves as the Director of the Construction Engineering Research Laboratory, U.S. Army Engineer Research and Development Center, Champaign, Illinois. In this capacity, Dr. Hansen leads a team of approximately 300 researchers, support staff and contractors. He is responsible for planning, directing and coordinating a multi-million dollar research program in installation management and design, deployed force infrastructure, construction and demolition robotics, and training enhancement technologies. He leads the development of strategic planning, and execution of the research, engineering and technology support program while managing human, financial and physical assets of the laboratory including 19 acre world class research complex of specialized research capacity, collocated with the University of Illinois.

**Mr. Daniel Soto, Chief, Energy Directorate, Air Force Civil Engineering Center**



Mr. Soto is the Chief of the Energy Directorate at Air Force Civil Engineer Center based at Tyndall Air Force Base, FL. As the Energy Directorate chief, he leads over 100 energy professionals in supporting warfighters worldwide by providing cost effective energy assurance solutions.

They provide expertise in Energy Savings Performance Contracts, Energy Resilience and Conservation Investment Program, Power Purchase Agreements, Automated Meter Reading System, Data Analysis and Reporting, Utility Rates Optimization, and Energy Manager Training.

---

Utility Executive Leadership Panel Moderator: ( two more panelists coming soon)

**Dr. John Caldwell, immediate past Director of Economics, Edison Electric Institute; Adjunct Professor of Economics with University of Illinois**



Dr. Caldwell retired from EEI (Edison Electric Institute) in December 2018. At EEI, Dr. Caldwell examined and reported on the interrelationship of the economy with energy supply, demand, and pricing, and provided regular outlooks on the state of the economy and its current and potential impacts on the energy industry.

He has delivered papers at industry conferences on natural gas supply and demand issues, the measurement of price and income elasticity in the electricity sector, and the proper methodology for estimating the costs and benefits of new smart grid technologies.

Recently, he was working with the Department of Energy and EEI members in the collaborative development of a process for projecting, measuring, and verifying costs and benefits associated with smart grid investments.

Dr. John Caldwell has worked in the electric and gas utility industry for over twenty years, first at the Illinois Power Company (now part of Ameren) as a planning engineer, and then at NiSource, where he was involved in the development of long-term forecast models for energy use and peak demand, the introduction of innovative alternative rate designs, such as negotiated rate, fixed price, and fixed bill products, and the implementation of financial hedging strategies and risk management systems to support these products.

Both within NiSource and for its customers, John regularly gave seminars and training presentations on rate design and deregulation. He authored a monthly “Fuel Price Outlook” with commentary and projections on the energy industry on his company’s website, and participated in periodic regional workshops to share his views on the market and future price trends.

He holds a B.S. in electrical engineering from the University of Illinois at Champaign-Urbana, an MBA from the University of Illinois at Springfield, an M.S. in mathematics from the University of Iowa, and a Ph.D. in economics from the University of Illinois at Chicago.

**Mr. DV Rao, Senior Vice President, Strategy, CMS Energy Corporation and Consumers Energy**



Venkat Dhenuvakonda (DV) Rao is senior vice president of strategy for CMS Energy and its principal subsidiary, Consumers Energy. He was elected to this position in 2016.

Rao's leads corporate strategy and strategic projects, which includes new products and business development. Rao's corporate strategy responsibilities include developing and successfully executing strategy for CMS Energy and Consumers Energy. In his strategic projects role, Rao is responsible for development, testing and piloting of new technologies and business models. Rao also leads CMS Enterprises, which manages the unregulated energy businesses of CMS Energy. These include independent power plants focused on renewables and natural gas.

Rao last served as vice president, treasurer, financial planning and investor relations. He was responsible for developing the financial plan for the company, managing corporate liquidity, financing and treasury operations, and maintaining relationships with investors, banks and rating agencies. Prior to this role, Rao served as vice president of financial planning and treasurer. As treasurer, he also served as chairman of CMS Energy's Benefit Administration Committee, which is responsible for managing employee benefit plan investments, including pension, 401(k), health care and life insurance.

He joined CMS Energy in 1999 as a financial analyst in the global finance group. From 2000 to 2003, he handled several restructuring and project financing transactions for CMS Energy. In 2004, he joined Consumers Energy as director of financial planning.

Before joining CMS Energy, Rao held project financing responsibilities for five years at ICICI Banking Corporation in Mumbai, India.

Rao earned a bachelor's degree in mechanical engineering from the Indian Institute of Technology (IIT) in Mumbai and a post-graduate diploma in management from the Indian Institute of Management (IIM) in Lucknow. He is a Chartered Financial Analyst (CFA) charterholder. In 2010, he completed the Graduate Management Program at Harvard Business School.

## **Mr. Doug McMahon, Vice President, Strategy, New York Power Authority**



Doug McMahon is the Vice President of Strategy for the New York Power Authority since 2015. He is responsible for setting the long term strategic direction of the business with a particular focus on digital transformation, testing and scaling of new innovative business models that bring clean energy technologies and services to customers, and building largescale programs to help NYPA support the State's Energy goals and REV.

This includes:

- Creation and implementation oversight of NYPA's Vision 2020 Strategic Plan including several enterprise wide initiatives (totaling \$1.1bn) in the generation, transmission and distribution space that will transform NYPA into a leading digital utility of the future.

- Building and executing programs focused on extracting the value from digitization, and platform based technologies and business models
- Developing and implementing innovative, scale-able market making programs that encourage the proliferation of distributed energy resources and EV's through identifying and proving new utility business and revenue models.
- Strong understanding of the changing US utility business environment (including progressive policy such as REV and the Clean Energy Standard), smart generation and transmission technologies, DSP's, utility business models and energy programs targeted at load factor optimization and carbon reduction.
- Modernizing key business capabilities including analytics, reporting, innovation and collaborative agile project management

## **Mr. Jim Spiers, SVP, Business and Technologies Strategies, NRECA (National Rural Electric Cooperative Association)**



For more than 25 years, Jim Spiers' energy sector experience has spanned operations, planning, rate setting, regulation, restructuring, technology and business strategy.

Before joining NRECA in 2014 as vice president of technology, engineering and economic analysis, Jim served as senior vice president of business strategy and chief technology officer at Tri-State Generation and Transmission Association. He directed high-profile rate and resource planning, forecasting and modeling tool development, information technologies and enterprise risk management and research initiatives, including carbon dioxide mitigation through inducement prize development (XPRIZE); development of an R&D test center at a coal-fired power facility; and formation of an international network of researchers focused on converting carbon emissions into an asset.

Prior to his tenure at Tri-State, Jim was an independent energy consultant. From 1986 to 1991, he was director of the Colorado Public Utilities Commission. He has a law degree from the University of Colorado School of Law and a B.A. from Mesa College in Grand Junction, Colorado.

---

**Mr. Rick Welton, Senior Director of Distribution Planning and Operations, Ameren**



Rick Welton is Sr. Director of Distribution Planning, Operating & Reliability for Ameren Illinois Company (Ameren Illinois). Ameren Illinois serves 1.2 million electric and more than 816,000 natural gas customers in a 43,700-square-mile area of Illinois. In his current role, Mr. Welton is responsible for oversight of the safe and reliable operation of Ameren Illinois' electric distribution system within the outage management system. This includes dispatch operations, electrical and natural gas emergency response, electric distribution system planning and reliability, Ameren Illinois' Technology Applications Center, and new Smart Grid technology testing and implementations.

**Dr. Babak Enayati, Manager, Technology Deployment, National Grid**



Babak Enayati received his PhD in Electrical Engineering from Clarkson University, Potsdam, NY in 2009. He joined National Grid, USA in 2010 and is currently the Manager of the Technology Deployment team, which is responsible for development and implementation of the Transmission Network modernization strategy. He joined Institute of Electrical and Electronics Engineers (IEEE) in 2006 and currently is a Senior IEEE Member. Babak currently serves as the IEEE Power and Energy Society (PES) Governing Board Member-at-Large. Babak is also the Vice Chair of the IEEE Standards Coordinating Committee 21 (SCC21) and IEEE 1547, Standard for Interconnecting Distributed Energy Resources with Electric Power Systems. Babak is a registered Professional Engineer (PE) in the state of Massachusetts.

**Mr. Paul Toub, Jr, Operational Specialist, PPL Electric**



Paul Toub is an Operations Specialist in the Distribution Control Center (DCC) located in Allentown, Pennsylvania for PPL Electric Utilities. PPL EU serves 1.4 million electric customers in eastern Pennsylvania. In his current role, Mr. Toub utilizes his engineering and operational expertise to help the DCC transition to future technologies. The technologies are employed to provide safer and more reliable service to customers. Paul Toub is a registered Professional Engineer in the state of Pennsylvania.

**Mr. Jonathan Stewart Industry Director Utility Products and Systems Division National Electrical Manufacturers Association (NEMA)**



Jonathan is Industry Director in the Utility Products and Systems Division at NEMA, where he coordinate member activities related to energy management and grid modernization across 10 product sections. Prior to his current position, he was manager of government relations at NEMA. Prior to NEMA, Jonathan was a director at Andrae & Associates, a boutique international government relations consulting firm advising multinational corporations on strategic government engagement and political risk management. Jonathan holds a Doctor of Law (JD) from the UC Hastings College of Law, and a BA in philosophy from Brigham Young University.

**Mr. Dan Herway, Chief of Strategy & Innovation, Idaho National Laboratory**



Dan Herway is the Chief of Strategy and Innovation for Energy and Environment S&T at the Idaho National Laboratory, where he is devoted to securing critical infrastructure. Critical infrastructure includes the federal and private, physical and virtual assets that power our nation's economy and security. That infrastructure underpins a growth economy and is decades in the making, but it was never conceived to operate in the face of modern natural and cyber threats. Dan is focused on ensuring digitization in the name of efficiency is balanced with security and resilience. Dan brings the perspective of an electrical engineer and a program manager to make measurable progress in addressing the technical, economic, social, and political impediments to realizing critical infrastructure suited to spur 21<sup>st</sup> century growth.

The Idaho National Laboratory is a multi-disciplined lab focused on optimizing and securing the energy value chain. Located on nearly 900 sq. miles of federal land, the Idaho National Lab includes unparalleled assets such as a regional-scale electric power grid for improving energy reliability and security, a wireless communications user facility available for commercial and government-sponsored research, an armor development and explosives test range, cyber and control systems test beds, and chemical, biological, radiological, nuclear and explosive training. Dan is the proud father of five kids and together with his wife, they love to explore the Idaho outdoors.

**Dr. Venkat Srinivasan, Director of the Argonne Collaborative Center for Energy Storage Science (ACCESS), Argonne National Lab**



The U.S. Department of Energy's (DOE) Argonne National Laboratory has named renowned battery scientist Venkat Srinivasan the next director of the Argonne Collaborative Center for Energy Storage Science (ACCESS), a center which seeks to commercialize battery and energy storage technologies.

Srinivasan has strong connections with Argonne, having served as deputy director of the Joint Center for Energy Storage Research (JCESR) while in his previous role as a staff scientist at Lawrence Berkeley National Laboratory. JCESR is a DOE Energy Innovation Hub led by Argonne that seeks to create next-generation batteries with energy storage potential beyond that of current lithium-ion batteries. Srinivasan will continue in his role with JCESR.

Founded in late 2015, ACCESS facilitates industrial coordination with Argonne's energy storage programs, creating a unique two-way street for researchers at Argonne to connect with potential collaborators in industry. Through ACCESS, industrial researchers can tap into Argonne's already established energy storage technologies, or they can leverage Argonne expertise to address new challenges of particular importance to industry.

At Berkeley Lab, Srinivasan conceived the idea of CalCharge, a public-private partnership in energy storage. By combining this experience with the potential reach of ACCESS, he hopes to explore the role of such consortia in developing and enabling a roadmap for U.S. manufacturing of advanced batteries.

Srinivasan also previously served at Berkeley Lab as the technical manager of the Batteries for Advanced Transportation Technologies (BATT) Program, as the acting director of that program, as department head of the Energy Storage and Distributed Resources Department and as the interim director of that division.

He joined the scientific staff at Berkeley Lab in 2003 after postdoctoral studies at the University of California, Berkeley and Pennsylvania State University. He received his Ph.D. from the University of South Carolina in 2000.

Since 2010, Srinivasan has hosted a popular blog called This Week in Batteries, which examines the technical and market impacts of battery technologies.

**Energy Storage Panel Moderator: Ms. Kelly Speakes-Backman, CEO of the Energy Storage Association.**



Kelly has spent over 20 years working in energy and environmental issues in the public, NGO, and private sectors, including organizations such as United Technologies, SunEdison, and Alliance to Save Energy. She is a former Commissioner of the Maryland Public Service Commission where she also served as Chair of the Board of Directors of the Regional Greenhouse Gas Initiative (RGGI), co-vice chair of the NARUC Committee on Energy Resources and the Environment, and member of the EPRI Energy Efficiency & Grid Modernization Public Advisory Group.

Kelly earned her Bachelors of Science in Mechanical Engineering from Boston University.

## **Mr. Walker Wright, VP, Public Policy, ENGIE Storage**



Since July 2016 Mr. Wright has led public the policy effort and strategy for ENGIE Storage (Green Charge Networks- official re-brand January 2018), a subsidiary of ENGIE.

ENGIE Storage has been designing and deploying commercial energy storage since 2009, with systems installed throughout the United States. As part of ENGIE, the largest independent power producer in the world, the company's mission is to use energy storage to power the world efficiently and sustainably.

In addition to commercial projects, the company develops turnkey grid-scale energy storage. Green Charge energy storage systems are monitored, optimized, and controlled through its proprietary software platform. The system includes storage, a customized indoor/outdoor lithium-ion-based battery storage unit, and software providing visibility and analytics to enable customers to optimize energy use and savings.

In addition to work at ENGIE Storage Mr. Wright worked to shape Policy & Go to Market strategy for ENGIE companies in the Distributed Energy Resources (DER) & renewable energy space. Over the years Walker has testified in numerous regulatory & legislative hearings & provided leadership within various industry trade associations.

Mr. Wright holds a BA from Princeton University & an Msc from The London School of Economics & Political Sciences.

## **Mr. Roger Lin, Vice President of Marketing at NEC Energy Solutions**



Developing markets across the globe for grid energy storage solutions and battery systems for commercial and industrial applications, he has over thirteen years of experience in energy storage technologies and applications. He was responsible for several successful development efforts ranging from high power energy storage systems for hybrid buses to lithium ion cell technologies.

Prior to joining NEC, he held roles at A123 Systems, a lithium ion battery startup, YankeeTek Ventures, an early-stage venture capital fund, and business development and materials science R&D at Saint-Gobain. Roger received his Master of Engineering degree in Materials Science from MIT, his Bachelor of Science in Ceramic Engineering from Rutgers University, and is an inventor on ten United States patents.

**Mr. Larsh Johnson, CTO, Stem Inc**



As Chief Technology Officer, Larsh Johnson leads hardware and software engineering to meet the unique needs of Stem's C&I, utility and energy market customers. Prior to joining Stem, Larsh was Chief Technology Officer at Siemens Digital Grid, where he led technology development teams on products spanning from consumer metering, demand response and analytics to control center software and grid automation. He joined Siemens via the acquisition of eMeter, a Bay Area software company of which he was a co-founder and responsible for innovation and development of meter data management, analytics and advanced smart grid applications.

Prior to eMeter, he co-founded CellNet Data Systems, a pioneer in wireless networks for smart metering and distribution automation and now a unit of Landis+Gyr, a Toshiba company. Larsh was a founding member of the Department of Energy's Gridwise Architecture Council (GWAC) and remains a member emeritus. He earned his B.S. and an M.S. in mechanical engineering from Stanford University

**Mr. Scott Manson, Senior Engineer, Schweitzer Engineering Laboratories**



Scott Manson received his M.S.E.E. in electrical engineering from the University of Wisconsin–Madison and his B.S.E.E. in electrical engineering from Washington State University. Scott is currently a principal engineer at Schweitzer Engineering Laboratories (SEL). He provides consulting services for control and protection systems worldwide. He has experience in power system protection and modeling, power management systems, remedial action schemes, turbine control, and multi-axis motion control for web lines, robotic assembly, and precision machine tools. Scott is a registered professional engineer in Washington, Alaska, North Dakota, Idaho, and Louisiana.

**Mr. Kevin Kampschroer, Chief Sustainability Officer and Federal Director, Office of Federal High-Performance Green Buildings, in the US General Services Administration**



Mr. Kampschroer created the framework for how GSA responds to the challenge to move GSA's Federal building inventory toward high-performance green buildings and how best to achieve deep retrofits of buildings through Energy Savings Performance contracts.

Mr. Kampschroer was the Project Manager for the Ronald Reagan Building & International Trade Center. He was a contributing author on a medical study showing the link between building characteristics on office worker stress and heart function – which showed the beneficial results of good lighting, natural light and Indoor Environmental Quality (IEQ). Mr. Kampschroer has worked for GSA for over 39 years and is a graduate of Yale University.

DAY 2:

**PANEL MODERATOR: REGULATORY LANDSCAPE – Mr. Erik Ford, Executive Director, New Jersey Energy Coalition**



With a diverse employment background including Confidential Aide at the NJ Board of Public Utilities, Erick Ford has the expertise to lead the Coalition as the energy industry continues to change and expand. Under Erick's leadership, the Coalition continues to be a driving force behind policy in the state.

## **Mr. Upendra Chivukula, Commissioner, N.J. Board of Public Utilities**



Upendra J. Chivukula was nominated by Governor Christopher J. Christie as a Commissioner to the N.J. Board of Public Utilities on September 18, 2014 and confirmed by the Senate on September 22, 2014

Prior to his nomination, Mr. Chivukula served in the New Jersey Assembly representing the 17th legislative district, where he served as chair of the Assembly Telecommunications and Utilities Committee. He also had the honor of serving as Vice Chair of Homeland Security and State Preparedness, Commerce and Economic Development, and Environment and Solid Waste. Mr. Chivukula was also a founding member and Co-Chair of the NJ Science & Technology Legislative Caucus and the NJ World Languages & International Studies Legislative Caucus. He was a member of the Commission on Science and Technology, and the Health Information Technology Commissions.

Before becoming a state legislator, Mr. Chivukula served as Mayor of Franklin Township for a year and on Town Council for another seven years. He also served on the National Council of State Legislatures and on the Council of State Governments.

Earlier in his career, Mr. Chivukula worked as an engineer for AT&T and as a project engineer for Leeds & Northrup building waste treatment plant control.

He currently serves on the National Association of Regulatory Utility Commissioners' (NARUC) Telecommunications Committee and is a member of the Mid-Atlantic Conference of Regulatory Utilities Commissioners (MACRUC). In 2015 he was appointed to the Federal Communications Commission's (FCC) Communications Security, Reliability and Interoperability Council (CSRIC) as well as NARUC's Telecommunications Act Modernization (TeAM) Task Force.

Mr. Chivukula received a Bachelor of Engineering Degree in Electrical Engineering from College of Engineering, Chennai, India, and Master of Engineering Degree in Electrical Engineering from City College, New York, and took graduate courses in Electrical Engineering at Rutgers University.

## **Ms. Kiera Zitelman, Senior Manager, NARUC**



Kiera Zitelman is a Senior Manager in the Center for Partnerships & Innovation, where she works on federal grants pertaining to natural gas infrastructure, electricity policy innovation, carbon capture and sequestration, and energy resilience. She supports the Committees on Electricity, Gas, and Energy Resources and the Environment. Kiera has a B.S. in Environmental Science and Policy from the University of Maryland and a Master's in Public Policy from Georgetown University.

**Ms. Gail Lalla, Client Manager, T&M Associates**



Gail Lalla joined T&M earlier this year as a Client Manager, bringing nearly a decade of experience leading various engineering and architectural teams in Federal, State, and local projects that include brownfield redevelopment, transportation planning, infrastructure studies and green-building. Her areas of expertise include project management, performance optimization, energy assessments, creation of energy master plans, construction management, and microgrid modeling using toolkits. She also has vast experience cultivating new opportunities through grant funds and private investment.

Specifically, Ms. Lalla led the technical project team in developing a web-based learning module for the New Jersey Institute of Technology Resilient Microgrids Planning Academy. Other key projects include the South Ironbound Resiliency Action plan for the City of Newark, where she served as the Grants Specialist focusing on brownfields, microgrids and green infrastructure; and the City of Hoboken, where she led community outreach efforts with both the Communications Department and the Planning Department coordinating with US DOE and PSE&G among others, to study a microgrid project for back-up power supply. She has also successfully led efforts focusing on carbon abatement plans, Energy Saving Improvement Plans with ESCOs, resiliency planning with the Kresge Foundation, and microgrid strategy with Rocky Mountain Institute.

**Mr. Chris Evanich, Manager, Microgrids, S&C Electric Company**



Chris Evanich is the Manager of Microgrid Business Development for S&C Electric Company. He focuses on the global business development of Microgrids using renewable energy, medium voltage switching, protection, battery energy storage and controls. He has over 14 years of experience in the Electrical Power industry and has a wide range of experience in Power Distribution, Renewable Energy and Smart Grid components and architecture. Chris has given over 50 industry presentations and has been published in over a dozen different publications worldwide.

He holds a Bachelor of Science in Electrical Engineering from Cleveland State University and an MBA from Case Western Reserve University. He is a 16-year member of the IEEE including participation as an IEEE PES Scholar Mentor and author of the IEEE P2030.7 Standard, "Standard for the Specification of Microgrid Controllers

**Mr. Scott Aaronson, Vice President, Security and Preparedness, EEI ; Secretary for Electric Subsector Coordinating Council (ESCC)**



Scott I. Aaronson is Vice President, Security and Preparedness for EEI. Scott joined EEI in 2009 in the government relations department focusing on security and technology issues, and most recently served as executive director of security and business continuity. He leads the EEI teams focused on cyber and physical security, storm response and recovery, and associated regulatory policy.

In addition to his role at EEI, Scott also serves as the Secretary for the Electricity Subsector Coordinating Council (ESCC). The ESCC serves as the primary liaison between senior government officials and industry leaders representing all segments of the electric power sector. This partnership is held up as a model for how critical infrastructure sectors can work with government, yielding dramatic improvements in security and preparedness for the industry and the nation.

Prior to joining EEI, Scott was a senior adviser to Members of Congress serving the 12th Congressional District of California, including former House Foreign Affairs Committee Chairman Tom Lantos. From 2001 to 2007, he served as an economic policy adviser to U.S. Senator Bill Nelson. Scott received a Bachelor's Degree in journalism from the University of Colorado at Boulder for his undergraduate studies, and a Master's Degree from The George Washington University in political management. He lives on Capitol Hill in Washington, DC with his wife, two daughters, a mutt, and a not-so-Great Dane.

**Ms. Gurdeep, Kaur, CISO, PSEG**



Ms. Kaur has served as CISO for PSEG since 2018. She is an award-winning leader in information technology, specializing in Cybersecurity and Risk Management with over 20 years of success in Fortune 100 organizations. Prior to PSEG, Ms. Kaur was the Director Information Security for Horizon Blue Cross Blue Shield of New Jersey.

Ms. Kaur also served as Chief Security Architect, Enterprise Security Engineering & Architecture for AIG where she piloted build-out of enterprise cloud security program from the ground up to enable innovation and fulfill “cloud first” mandate from Corporate CIO.

She served as the President of the (ISC)<sup>2</sup> New Jersey Chapter from 2012 to 2015. She is also the Co-Chair of (ISC)<sup>2</sup> North American Advisory Council. She received a bachelor's degree in electrical engineering from Delhi College of Engineering in New Delhi, India. She holds multiple certifications including CISSP, CISA and CCSK.

**Mr. Jigar Shah, President and Co- Founder, Generate Capital**



Jigar Shah is the President and Co-Founder of Generate Capital. Jigar was the founder and CEO of SunEdison (NASDAQ: SUNE), where he pioneered “no money down solar” and unlocked a multi-billion-dollar solar market, creating the largest solar services company worldwide.

After SunEdison, Jigar served as the founding CEO of the Carbon War Room, a global non-profit founded by Sir Richard Branson and Virgin Unite to help entrepreneurs address climate change. Jigar sees business model innovation as a leveraged tool for driving the next productivity revolution – resource efficiency. He is committed to helping entrepreneurs and large companies alike implement resource efficiency solutions using “no money down” project finance models. In 2013, Jigar authored *Creating Climate Wealth: Unlocking the Impact Economy*.

He holds an MBA from The University of Maryland and BS in Mechanical Engineering from the University of Illinois, Champaign-Urbana. He sits on the boards of sPower and the Rocky Mountain Institute.

**Mr. Bheshaj Krishnappa, Program Manager, Resilience and Risk, ReliabilityFirst**



Bheshaj Krishnappa, as a Resilience and Risk Program Manager at ReliabilityFirst, leads all aspects of Cyber/Operational resilience and a strategic, operational and tactical advisor on regional resilience issues. His responsibilities include risk assessment and management of Cyber/Physical security risks to ensure Bulk Power System reliability across the ReliabilityFirst footprint of 13 U.S. States and Washington D.C. Mr. Krishnappa works with several electric utilities to effectively mitigate risks and advise on best practices.

Prior to joining ReliabilityFirst, he has worked for Utility, Software & Services, Manufacturing, Aerospace, Mortgage and Finance companies in consulting and leadership roles. With a vast functional and technical knowledge in Cyber/Physical security, he was instrumental in leading several small to large scale IT and security projects that have enabled businesses to transform and be resilient in delivering their mission. Mr. Krishnappa earned his B.S. in Electrical Engineering from Bangalore University, India and an MBA in Sustainable Business with Renewable Energy concentration from Marylhurst University in Oregon. He actively holds CISSP, CISM, and Carnegie Mellon University’s Executive CISO certifications.

**Mr. Bruce Movahedi, Chief Electrical Engineer and Community of Practice (CoP) Lead , U.S. Army Corps of Engineers, Headquarters, Washington DC**



**Senior Engineering Manager, United States Department of Defense, 2017 – present:** Served as technical expert in the Pentagon Engineering Division, responsible for coordinating or monitoring, planning, and design in the headquarters of the United States Department of Defense. Ignited DOD-National Lab Energy Resilience and Efficiency Partnership Program as Principal Investigator (PI).

Provided Subject Matter Expert leadership to nation’s premier research and development institution for science and technology applied to national security, energy and for projects related to the design, construction and operation of facilities. Pioneered microgrid and defense power system resilience with cybersecurity conceptual design utilizing Artificial Intelligence and Machine Learning technologies to Global Security.

**Sustainability & Energy Manager, US Army, Apr 2016 – Jan 2017:** Served as the Energy Manager in the US military installations. Provided professional engineering and technological services, developed concepts and methodologies for secure conventional and renewable energy systems. Utilized engineering concepts and problem solving techniques to analyze energy data. Chief Engineer, United Nations 2013 – 2014: Overall Project Management: as Team Leader responsible for: Management of a large team of expatriates and local staff and related counterparts; Designed, operated and maintained power systems in the main UN mission in Afghanistan. •Conducted generators fleet assessment, project management, cost analysis, procurement, operation optimization, substation design, generators synchronization, Photovoltaic system, power system stability, construction, retrofit, safety training, interagency projects.

Private Sector as CEO, Western Energy Corporation: 2014 – 2016: Provided Power system design, project management, construction, procurement, Quality Assurance, supply chain management and consulting services through WENCO field offices around the globe.

**City Planning Panel:**

**Edward Yim, Energy Policy Advisor, D.C. Department of Energy and Environment**



Mr. Yim is an energy planner and lawyer who has advised on policy, regulatory, and legislative matters that concern the energy and utility sectors for the past 10 years for local and state governments and energy companies. Recently, Mr. Yim has led the development of an energy plan for the District of Columbia that focused on reducing the District’s greenhouse gas emissions by 50% by 2032, called Clean Energy DC, a substantial portion of which has now been codified through legislation titled “the Clean Energy DC Omnibus Act of 2018.” Mr. Yim has also led the Department’s effort to develop its roadmap to modernize the energy infrastructure serving the District of Columbia so that it can facilitate the zero emissions energy economy in the future.

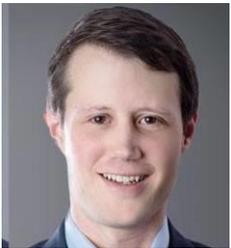
Currently, Mr. Yim is focused on developing analyses and strategies to turn all District communities into Net Zero Energy neighborhoods. Mr. Yim is a certified consultant for the Passive House Institute US, and he received his Juris Doctor degree from Villanova University, and his degree in Architecture from Virginia Tech. He began his career as an architect, and then became an energy lawyer to focus on his passion for sustainability.

**Mr. Bill Eger, Energy Manager, City of Alexandria**



Bill Eger serves as the Energy Manager for the City of Alexandria, where for the last 9 years he leads the City's multi-disciplinary Office of Energy Management team – from planning to outreach through implementation – of Alexandria's energy efficiency, clean energy, and other related sustainability initiatives. He is a registered Professional Engineer, US Green Building Council LEED Accredited Professional, and a Certified Public Manager.

**Mr. Evan Pittman, Vice President, Innovation and Commercialization, Energy Impact Partners**



Evan Pittman is Vice President of Innovation & Commercialization for Energy Impact Partners (EIP), a venture capital investment firm backed by a coalition of 14 global utilities that collectively serve 85 million households. EIP has invested in 27 innovative energy technology companies to date, with solutions as diverse as AI-based asset risk mitigation, EV charging network management, and real-time load disaggregation. The Innovation & Commercialization team works across the EIP ecosystem to accelerate the deployment of these new technologies in utility control rooms, on the grid, and behind the meter.

Prior to joining EIP, Pittman was Director of Strategy & Business Development for Converge, an early pioneer of demand response acquired by Itron in 2017. There, he led efforts to identify growth opportunities in new markets and products, and to secure the regulatory reforms, partnerships, and early deployments necessary to execute on those opportunities. Pittman began his career with The Brattle Group as a strategic and economic advisor to utilities, independent power producers, regulators, and independent system operators. He holds an MBA with High Honors from the University of Chicago Booth School of Business and a BA with Highest Honors in Economics & Mathematics from Emory University.

**Energy Impact Partners: We are backed by some of the world's largest and most progressive energy companies. Together, we work to identify emerging trends, new technologies and innovative business models to build a better energy future. We are a platform created by utilities and for utilities, working with a proven collaborative investment model.**

**Dr. Mirjana Marden, Science, Engineering and Technology Advisor in NODES Program, ARPA-E**



Subject matter expert for NODES (Networked Optimized Distributed Energy Systems) program that aims to enable renewables penetration at the 50% level or greater, by developing transformational grid management and control methods to create a virtual energy storage system based on use of flexible loads and distributed energy resources (DERs)

Dr. Mirjana Marden is a power system research Engineer with over 15 years of experience and strong expertise in mathematical modeling and development of high-fidelity simulations of power systems; extensive experience in algorithm implementation and analysis in programming environments; understanding of power system dynamics due to flexible load, system components and subsystem faults; application of advanced control techniques to inverter-based distributed energy resources (DER) in power system microgrids; and effective research initiation and supervision of students and junior researchers.

Specialties: Microgrids, Tactical Microgrids, Smart Grid, Distributed Energy Resources (DERs), Grid Reliability and Grid Resiliency

**Mr. James Carr, CFO Enbala (bio coming soon)\**

## Roosevelt Strategic Council, Managing Partner, Monica Mckenzie



Managing Partner, Roosevelt Strategic Council. Senior Partner, Defense Strategies Institute (February 2011 – present). DSI is a premier non-partisan organization designed to assist in advancing the mission critical goals of the United States' Military and Government. Through our high level educational training summits and symposiums we are able to reach across all offices and departments in a fair and balanced manner. We bring together Senior Leaders and relevant representatives from the U.S. Military Services, DoD, Federal, Academia and Industry in our neutral forums in order to foster the necessary discussions and debates to help them achieve efficient and effective mission success. Our focus is two fold: Advancing the Mission. Supporting the Force.

Founder and Member of the Board of Directors, Insider Threat Alliance, Inc. (April 2017 – present) The Insider Threat Alliance (ITA), a 501c(3) nonprofit organization, was created to form a non-partisan organizations dedicated solely to advancing the federal government and private sector's capabilities to prevent, detect and mitigate insider threats

Former Head of Government Relations Global Strategies Group (now Sotera Defense Solutions) Global Strategies Group is a leading defense and national security organization providing innovative, mission-critical solutions to government clients in austere environments.

Former Research Analyst to Chairman 2<sup>nd</sup> Committee, United Nations

Master's Degree in International Politics and Conflict Negotiation, School of International Service- American University, Washington, D.C.. Certification in Political / Military Conflict Negotiation, Inter-American Defense College, Ft. McNair.