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ELECTRIC INNOVATION

Powering the People

SMARTER ENERGY, SMARTER FUTURE

March 15, 2017 | 12:00 pm - 6:00 pm | Reception to Follow

The Newseum | Washington, DC

#PTP17

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Welcome



Welcome to **Powering the People** – the Institute for Electric Innovation’s (IEI’s) annual celebration of innovation and change in the electric power industry. This year’s theme is **Smarter Energy, Smarter Future**, and we look forward to hearing from a fantastic lineup of thought leaders as they present their unique perspectives on trends that loom large in the industry in 2017.

Through a combination of debate, dialogue, and “TED-style” talks, this year’s event focuses on three key areas:

- **Smart Cities.** Cities nationwide are wrestling with how they can function better in the areas of transportation, power, water, and sustainability, and one thing surges through all smart city ideas – electricity. This session focuses on how different cities – Columbus, Kansas City, San Diego, and others – are moving toward “smart” and the key roles that electric companies and technology companies are playing.
- **Smart Regulation and Innovation.** With technology moving faster than ever before, many agree that power-sector regulation also must change to encourage partnership, innovation, customer benefits, and investment in the energy grid. Through robust debate and Q&A, this session focuses on two key areas at the top of the list for regulatory change!
- **CEO Power Talks.** In this session, electric company and technology company CEOs will deliver “TED-style” talks focused on developments in energy storage; data analytics; solar challenges and opportunities; and, energy grid integration and modernization challenges.

All of the talks today underscore one important thing – smarter energy is a key driver to a smarter future. As today’s speakers will demonstrate, the technology revolution in energy is a given. However, the speed of change and its impact on customers are dependent on the right policies and regulatory support.

Throughout the day, please visit the **Innovation Lounge** to engage with colleagues and learn about new technologies and initiatives. Experts will be on-hand to answer your questions.

I hope you enjoy this year’s **Powering the People**.

Lisa Wood

Vice President, The Edison Foundation
Executive Director, Institute for Electric Innovation

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Agenda

- 12:00 pm **Lunch**
- 12:50 pm **Kickoff and Welcome**
- Lisa Wood, Vice President, The Edison Foundation, and Executive Director, Institute for Electric Innovation
 - Steve Bolze, President and CEO, GE Power
- 1:15 pm **Keynote: Building the Future of Energy**
- Tom Fanning, Chairman, President, and CEO, Southern Company
- 1:30 pm **Smart Cities, Smart Connections**
- MC: Bob Rowe, President and CEO, NorthWestern Energy
 - Bob Bennett, Chief Innovation Officer, City of Kansas City, Missouri
 - Scott Osterholt, Director, Grid Modernization and Risk Management, AEP Ohio
 - David Graham, Deputy Chief Operating Officer, City of San Diego, CA
 - Mark de Vere White, President, Electricity, Itron
- 2:45 pm **Break** Sponsored by **CLEARResult®**
- 3:15 pm **Smart Regulation and Innovation**
- MC: Bob Stump, Former Commissioner, Arizona Corporation Commission
 - Frank Prager, VP, Policy and Federal Affairs, Xcel Energy
 - Rodger Smith, SVP and General Manager, Oracle Utilities
 - Asim Haque, Chairman, Public Utilities Commission of Ohio
 - Doug Little, Commissioner, Arizona Corporation Commission
 - Brien Sheahan, Chairman, Illinois Commerce Commission
- 4:30 pm **Break**
- 5:00 pm **CEO Power Talks**
- Andrés Gluski, President and CEO, AES Corporation
 - Ted Schultz, CEO, TROVE Predictive Data Science
 - Tom Werner, Chairman, President, and CEO, SunPower Corporation
 - Alan Oshima, President and CEO, Hawaiian Electric Company
- 6:00 pm **Closing Remarks**
- Tom Kuhn, President, Edison Electric Institute
- 6:00 pm+ **Reception** Sponsored by 

The background of the entire page is a repeating pattern of light blue hexagons. Some hexagons are solid, while others are outlined, creating a geometric, crystalline effect. The pattern is more dense in the top and bottom sections and less so in the middle section where the text is located.

Innovation Lounge

Innovation Lounge

This year's Innovation Lounge is an interactive experience space to learn about smart city initiatives, new customer experiences, and new ways to engage with energy. Experts will be on hand to answer questions and demonstrate technologies.

Smart Cities Experience Area

- **AEP.** Learn about AEP Ohio's strategic investments in electric vehicle charging infrastructure, microgrids, and smart street lighting to support the City of Columbus smart city initiative.
- **ComEd.** See how smart streetlights work in real time and learn how ComEd is using smart streetlight software to enhance livability, workability, and sustainability in Chicago.
- **Kansas City.** Check out real-time data on traffic conditions, parking availability, and street car location using the public portal powered by Cisco and the City of Kansas City, Missouri.
- **Itron.** Take a tour of smart cities across the world and learn how Itron is helping electric companies connect smarter energy infrastructure to smart city initiatives.

Smart Connections Experience Area

- **Powerley.** Take a live look into Powerley's app that connects the smart grid to the smart home and see what the electric company sees as customers use the app to manage their energy usage.
- **Sunverge.** See how Sunverge's DER aggregation software works in real time to monitor and manage individual PV and battery systems to create a virtual power plant for electric companies.

#PTP17



Join the conversation using #PTP17 and tag @Elec_Innovation. Be sure to check out our Snapchat geofilter and follow us on Facebook.

Kickoff and Welcome



Lisa Wood

Vice President, The Edison Foundation
Executive Director, Institute for Electric Innovation

Lisa Wood is Vice President of The Edison Foundation and Executive Director of the Institute for Electric Innovation (IEI). As Executive Director of IEI she collaborates with a Management Committee of more than 20 electric company CEOs and a select group of technology companies and provides thought leadership on current issues, trends, and innovation in the electric power industry. In 2015 and 2016, under Ms. Wood's leadership, IEI published Volumes I, II, and III of Key Trends Driving Change in The Electric Power Industry. Prior to that, IEI published Innovations Across the Grid: Partnerships Transforming the Power Sector, Volumes I and II.

Wood is a Nonresident Senior Fellow in the Energy Security and Climate Initiative at The Brookings Institution and an Adjunct Professor at Johns Hopkins University SAIS. She was formerly an Adjunct Professor at Georgetown University's School of Foreign Service.

Ms. Wood currently serves as an Advisor to GE Ventures; on the Board of Directors for Energate, Inc.; and on the Board of Directors for the National Energy Foundation.

Prior to launching IEI, Wood was a Principal with The Brattle Group and Director of Brattle's Washington, DC office; a Principal with PHB Hagler Bailly; and a Program Director at RTI International. Wood holds a Ph.D. in Public Policy and Management from the Wharton School of the University of Pennsylvania, an M.A. from the University of Pennsylvania, and a B.A. from Rutgers College.



Steve Bolze

President and CEO, GE Power

Reimagining Electricity: The Opportunity Ahead

Steve Bolze is the president and CEO of GE Power, and a senior vice president of GE.

Steve's GE career began in 1993 as the manager of Mergers and Acquisitions for GE Corporate Business Development. In 1995, he joined GE Power in Schenectady, New York, as manager of Competitive Strategies and later became the product general manager for large steam turbines. He subsequently held several leadership roles in Energy Services, including president and general manager of Energy Management Services.

In 2002, Steve moved to GE Healthcare as the general manager for Functional and Molecular Imaging. In 2003, he was appointed a company officer and became vice president of Amersham Integration based in London. He then became president and CEO of GE Healthcare International based in Paris. He was named vice president of Power Generation in November 2005.

Steve is active in many energy-related organizations, including the World Energy Council, the International Energy Agency, and the World Economic Forum. Currently, he serves as a Steward of the World Economic Forum's Digital Economy and Society System.

Steve holds a B.S. degree in electrical engineering from Duke University and an M.B.A. from the University of Michigan. Prior to joining GE, Steve served as a management consultant for Corporate Decisions and a project manager for Westinghouse.

He is married and has three sons.

Keynote



Tom Fanning

Chairman, President, and CEO, Southern Company

Building the Future of Energy

Tom Fanning is chairman, president and chief executive officer of Southern Company, America's premier energy company.

Fanning has worked for Southern Company for more than 35 years and has held 15 different positions in eight different business units, including numerous officer positions with a variety of Southern Company subsidiaries in the areas of finance, strategy, international business development and technology. Most recently, he served as chief operating officer and previously was chief financial officer.

Fanning serves as chair of the Federal Reserve Bank of Atlanta, chairman of the Edison Electric Institute and co-chair of the Electricity Subsector Coordinating Council, the principal liaison between the federal government and the electric power sector to protect the electric grid from threats that could impact national security. He also is a member of the Business Roundtable; the international advisory board of the Atlantic Council, which promotes constructive leadership and engagement in international affairs; and the American Energy Innovation Council, a group of America's leading business executives working to build broad bipartisan support for public and private investments in innovation.

Fanning earned bachelor's and master's degrees in industrial management and also was awarded an honorary doctor of philosophy degree from Georgia Tech.

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SMART CITIES, SMART CONNECTIONS



SMART CITIES, SMART CONNECTIONS

In this session, key leaders from electric companies, technology companies, and cities describe smart city initiatives around the U.S. and the world, and discuss their visions of the future.

MC



Bob Rowe

President and CEO, NorthWestern Energy

Bob has been President and Chief Executive Officer of NorthWestern Energy since August 13, 2008. He is Co-Chair of the Institute for Electric Innovation, part of the Edison Electric Institute (EEI); a member of the EEI Board of Directors Executive Committee; a member of the American Gas Association Board of Directors; Western Energy Institute past chair and current executive committee member.

Bob lives in Helena, Montana. He holds a BA from Lewis and Clark College in Portland, Oregon, a JD from the University of Oregon, completed the Kennedy School Senior Executives' Program, and has been active in various professional organizations. He has been active with a variety of university-based organizations, and is currently a senior fellow at the University of Florida Public Utility Research Center.

At NorthWestern Energy, Bob's focus is working with other employees to build a strong company, focused on providing essential infrastructure and service, and that will be a long-term partner to the customers and communities they serve.

SPEAKERS



Bob Bennett

Chief Innovation Officer, City of Kansas City, Missouri

Bob Bennett became the Chief Innovation Officer for the City of Kansas City, Missouri, in January 2016 after a 25-year career in the US Army. Bob leads the Smart City initiatives, a suite of projects including: data analysis, Public Wi-Fi, digital kiosk installation, dynamic traffic light control and smart lighting programs in the city's downtown core. In February 2016, he led the city's planning team for the DoT Smart City Challenge, which developed a \$72 Million plan the City will use to extend Smart City infrastructure throughout the 318 miles of KCMO.



Scott Osterholt

Director, Grid Modernization and Risk Management, AEP Ohio

Scott Osterholt is Director – Grid Modernization and Risk Management for AEP Ohio, which serves approximately 1.5 million electric customers in Ohio. He oversees the management of new technology projects and various project implementation activities including AEP Ohio's Smart Grid and Smart City programs. Responsible for the deployment of Advanced Metering Infrastructure (AMI), Distribution Automation Circuit Reconfiguration (DACR), Volt/VAR Optimization (VVO), Electric Vehicle Supply Equipment (EVSE), Smart Lighting, Microgrids and Utility-Scale Battery Storage. Scott is also responsible for directing the risk management activities for AEP Ohio, which involves planning and organizing activities to reduce risk associated with the operations of the Company.

SMART CITIES, SMART CONNECTIONS



David Graham

Deputy Chief Operating Officer, City of San Diego, California

David Graham is a veteran local government advisor having worked for the County of San Diego and City of San Diego as well as a stint in private sector public affairs. Serving on Mayor Kevin Faulconer's Executive Leadership team as DCOO for the Office of Neighborhood Services, he oversees a group of departments including Libraries, Parks & Recreation, Development Services, Economic Development, Planning, and the Arts and Culture Commission.

Graham has worked for several San Diego Mayors and has represented the City on planning and civic innovation initiatives including Smart City San Diego, CleanTECH San Diego, Envision America and the national MetroLab Network. His smart cities work includes the first all-electric car-share fleet in North America, an open-data platform for development permitting, a partnership with GE to deploy sensors in LED enabled smart streetlights and using technology to achieve municipal climate change goals.

Representing the City as a core team member, Graham was instrumental in developing the region's Go Global strategy and represents the City on the Global Cities Initiative, a partnership of Brookings and JPMorgan Chase. His passion for land use, civic engagement and intelligent infrastructure has led him to be a regular speaker from the metropolitan perspective on these issues including Bloomberg Philanthropies City Innovators Summit, Technology & Entrepreneurship Center at Harvard, Minds + Machines, City Innovate Summit, and VERGE.



Mark de Vere White

President, Electricity, Itron

Mark de Vere White was named president of Itron's Electricity business line in 2013. In this role, he is responsible for leading the overall strategy and direction for Itron's electricity business. Under Mark's leadership, revenues have grown 34 percent between 2014 and 2016, segment EBITDA has gone from \$0 to over \$100 million and Itron's OpenWay smart grid solution has been implemented globally. Previously, de Vere White served as senior vice president of Energy for North America and was responsible for sales, product marketing, professional services, regulatory relations and customer operations. De Vere White has dedicated his career to working with utility and Fortune 1000 customers, focusing on sales, marketing, delivery and ongoing support of business critical operations and integrated enterprise solutions. He has led his teams with an unyielding drive to deliver customer value and success at all levels.

Prior to joining Itron, de Vere White was in charge of consulting, support, hosting and account management at Silicon Energy. Before Silicon Energy, de Vere White was one of the first employees at market-leading CRM software provider Kana, where he held executive positions overseeing account management, consulting and support teams. De Vere White started his career in marketing, consulting and direct marketing in New York City.

De Vere White received a Bachelor of Arts from the University of Pennsylvania, graduating Summa Cum Laude/Phi Beta Kappa.



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SMART REGULATION AND INNOVATION



SMART REGULATION AND INNOVATION

In this session, industry thought leaders engage in robust discussion around two issues that loom large in 2017. First, who plays in behind-the-meter solar and storage markets, and how do we ensure that all customers benefit and can participate? Second, as the energy grid evolves to accommodate DERs and devices, how could we look at things differently?

MC



Bob Stump

Former Commissioner, Arizona Corporation Commission

Former Corporation Commission Chair Bob Stump is a 15-year veteran of Arizona state government. He has been deemed a “candidate to watch” by the National Journal, a “thought leader” by the Institute for Electric Innovation, “weirdly brilliant” by Utility Dive, and one of Arizona’s three “Best State Representatives” by the Arizona Capitol Times’ “Best of the Capitol” survey.

Bob chaired the Commission from 2013-2015 and served as chair of the Committee on Health in the Arizona House of Representatives.

Bob also serves as Chairman of the Board of Phoenix Opera and as a trustee of the Grammy Award-winning Phoenix Boys Choir.

Bob served on the Board of Directors of the National Association of Regulatory Utility Commissioners (NARUC), was a member of the Harvard Electricity Policy Group and the Aspen Institute’s Society of Fellows, and was an Advisory Council member of the Center for Public Utilities.

He has received over a dozen awards in recognition of his efforts to improve Arizonans’ health care and protect Arizona’s taxpayers, as well as several Hawaii Newspapers Association Excellence in Journalism awards.

Bob holds degrees from Harvard and the University of California at Berkeley, from which he graduated with High Honors.

TEE-UP SPEAKERS



Frank Prager

Vice President, Policy and Federal Affairs, Xcel Energy

Frank Prager is vice president of Policy and Federal Affairs at Xcel Energy, a U.S. investor-owned electricity and natural gas company with regulated operations in eight Midwestern and Western states.

Frank is responsible for advancing Xcel Energy’s public policy and ensuring the company’s positions create value for the corporation, its customers and its many stakeholders. His organization designs and advocates for federal and state policies associated with a number of energy-related issues, including the environment, climate change, renewable energy, utility regulation, energy markets, tax issues, transmission and innovative technologies. It also represents the company before U.S. Congress and with various federal agencies.

Frank has been with Xcel Energy for almost 21 years. Previously, Frank was the company’s vice president of Strategy and Policy. He also served as vice president of Environmental Policy and Services where he was responsible for the company’s environmental compliance and policy. Frank started his career at Xcel Energy as assistant general counsel, representing the company on environmental matters.

He is a graduate of the University of Colorado, with degrees in Chemical Engineering and English. He earned his law degree from Stanford University.

SMART REGULATION AND INNOVATION



Rodger E. Smith

SVP and General Manager, Oracle Utilities Global Business Unit

Rodger E. Smith joined Oracle Corporation in 2011 as Senior Vice President and General Manager for the Oracle Utilities Global Business Unit. He is responsible for leading a global team that includes sales, services, product development, R&D, industry strategy and marketing for mission-critical applications and services designed specifically for electric, gas and water utilities worldwide. Smith oversees a leading edge portfolio of the most complete, end-to-end solutions available in the industry today that includes customer care and billing, network management, work and asset management, field services, meter data management and analytics serving the entire utility value chain from the meter to the grid to the end customer. He is committed to technology innovation and digital transformation, and to helping energy and utility companies improve customer experience and achieve operational excellence.

Prior to joining Oracle, Smith served as President of the Enterprise Management Solutions Division of Black & Veatch, the Global Marketing & Communications Division and the Government Affairs unit (2003-2011). In addition to leading these businesses, Smith was a member of the Executive Committee.

DISCUSSANTS



Asim Z. Haque

Chairman, Public Utilities Commission of Ohio

Asim Z. Haque was appointed to the Public Utilities Commission of Ohio by Governor John R. Kasich in 2013, and reappointed by Gov. Kasich to serve a second term in 2016.

Chairman Haque, an attorney, began his professional career at a large general practice firm in Columbus where he represented a broad spectrum of clients in energy and utility matters. He went on to serve as internal legal counsel for a global auto manufacturer, a role he held immediately prior to his appointment to the Commission.

Chairman Haque has represented Ohio's interests in energy and utility matters within the state, nationally and internationally. 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 U.S. Agency for International Development.

He serves on the board of directors of the National Association of Regulatory Utility Commissioners (NARUC). At NARUC, he serves as vice-chair of both the NARUC Task Force on Environmental Regulation and Generation, as well as the Clean Coal and Carbon Management Subcommittee. He also serves on NARUC's Electric 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 the North American Electric Reliability Corporation where he represents state government interests in maintaining reliability of the electric grid.

Chairman Haque is a graduate of Case Western Reserve University where he received a bachelor's degree in chemistry and political science, graduating cum laude with department honors. He received his juris doctorate from The Ohio State University Moritz College of Law, and received the Outstanding Recent Alumnus Award from Moritz in 2015.

SMART REGULATION AND INNOVATION



Doug Little

Commissioner, Arizona Corporation Commission

Commissioner Doug Little was elected to the Arizona Corporation Commission (ACC) in November 2014 and sworn into office on January 5, 2015. He served as ACC Chairman from January – December 2016.

As an Arizona Corporation Commissioner, Little is responsible for making multi-million dollar regulatory decisions for energy, water, and telecommunications utilities in Arizona. Commissioner Little has proven skills in strategic planning, regulatory rate design and in evaluating the important legal, regulatory, economic, and political considerations that shape energy, water, and telecommunications policy in Arizona.

During his tenure as a Commissioner he has developed a regional and national reputation as a thought leader in the areas of Integrated Resource Planning, Regional Transmission Planning, and the developing regional energy markets in the Western United States. Additionally, he has developed strong working relationships with many state utility regulators, current and former FERC Commissioners, utility industry executives and representatives of various business stakeholders appearing before the ACC.

As a strong supporter of a diverse energy portfolio, Commissioner Little has long advocated for traditional generation technologies like natural gas, nuclear, and clean coal. He is also a strong advocate for the adoption of new technologies like energy storage, as well as energy efficiency, and energy conservation programs. Doug, his wife, Linda, and his daughter, Micaela, live in Scottsdale, AZ and have been residents and ratepayers in Arizona for over 18 years.



Brien Sheahan

Chairman, Illinois Commerce Commission

Brien J. Sheahan is the Chairman and CEO of the Illinois Commerce Commission. He was appointed by Governor Bruce Rauner on January 20, 2015. During the first year of his five-year term, Sheahan initiated agency reform and established the Office of Diversity and Community Affairs, hosted a Policy Session on Business and IT Investments in Cloud Computing Arrangements,

accepted an appointment to the National Association of Regulatory Utility Commissioners (NARUC) Board of Directors, endorsed a new smart thermostat initiative, and joined industry leaders at Penton's Empowering Customers and Cities Conference where he participated on a panel to weigh in on whether the role of regulators should be responding or driving change.

Prior to joining the Commission, Sheahan was a senior advisor to the Governor's successful 2014 campaign and served as Counsel to Governor Rauner's Transition Committee beginning in November 2014. Prior to that, Sheahan was the Director of Government Relations for Navistar from 2012-2014 and General Counsel for the Illinois Republican Party from 2007 to 2012.

His extensive background in government includes serving three Illinois Governors in senior leadership roles. Sheahan was also a DuPage County Board Member for ten years and served on the staffs of the Office of the Governor, Lieutenant Governor, and the Illinois Commerce Commission. He was Deputy Executive Director of the Illinois Housing Development Authority, a \$2 Billion quasi-public affordable housing lender, where he was responsible for government relations, legal, Human Resources, and information technology.

Sheahan received his Bachelor of Arts in Urban and Regional Planning, with High Honors, from the University of Illinois at Champaign Urbana and his Juris Doctorate from DePaul University College of Law. He resides with his wife, Anne, and son in Hinsdale, Illinois.

CEO POWER TALKS



CEO POWER TALKS

In this session, four electric company and technology company CEOs share their experiences and visions regarding key trends shaping the electric power industry today – energy storage, solar, data analytics, and smarter energy infrastructure.



Andrés Gluski

President and CEO, AES Corporation

Global Developments in Energy Storage

Andrés Gluski was named President and CEO of The AES Corporation in 2011, a Fortune 200 company. AES is one of the world's largest Independent Power Producers with operations in 17 countries and 35,000 Megawatts (MW) of capacity from a mix of fuel sources, including renewables and thermal generation. AES also has more than 10 million distribution customers. The company is a world leader in the deployment of lithium ion battery-based energy storage and grid stability with 166 MW in operation, 62 MW under construction, and 208 MW in advanced stage development.

Prior to his current position, he served as Chief Operating Officer, President for Latin America and CEO of AES Gener in Chile. He also held senior positions in banking, telecom, the IMF and the public sector before joining AES in 2000.

Mr. Gluski has served as an expert witness at US Congressional hearings on the subject of energy policy and Latin America. In 2012, he was named International CEO of the year by Latin Trade Magazine. From 2013-2016 he served on President Obama's Export Council. Mr. Gluski currently serves on the US-Brazil CEO Forum and the US-India CEO Forum. He is a member of the Board of The AES Corporation, Waste Management, and AES Gener in Chile. He is also Chairman of the Americas Society/Council of the Americas, and a Director on the Board of the Edison Electric Institute. Mr. Gluski is a magna cum laude graduate of Wake Forest University and earned his MA and PhD in economics from the University of Virginia.



Ted Schultz

CEO, TROVE Predictive Data Science

The Data Race is On!

Ted is a seasoned leader in the utility industry with more than 30 years of experience driving "what's next" with a focus on delivering value to customers. He became CEO of TROVE Predictive Data Science in 2015. TROVE is an early stage software company that provides data science solutions that enable clients to realize more value from their ever-growing reservoir of data.

Prior to joining TROVE, Ted spent 4 years at Ecova, an energy and sustainability management company, where he was Senior Vice President of Utility Solutions. He drove double digit growth in his business unit and was part of the team that managed the sale of Ecova to GDF Suez.

He also spent 13 years at Duke Energy, where he was VP of Marketing and Energy Efficiency. He successfully launched an energy services business, earned top rankings in customer satisfaction and pioneered an innovative business model that turned energy efficiency into a profitable investment.

Schultz started his career at New York State Electric & Gas (NYSEG) in Binghamton, NY and was Director of Applications and Advanced Technologies upon his departure.

Ted has an MBA from Syracuse University and a Bachelor of Science, State University of New York at Albany. He resides in Charlotte, NC with his wife, Sue, and enjoys tennis, boating and traveling to visit his two daughters.



Tom Werner

Chairman, President, and CEO, SunPower Corporation

America's Non-Partisan Energy Source: Collaboration That Works

As a seasoned executive on the front lines of the solar revolution, SunPower's President, CEO and Chairman of the Board Tom Werner is helping to drive the disruption taking place across the global energy industry. When he began as SunPower's CEO in 2003, the company had 35 employees and generated \$4.5 million in revenue. Today, SunPower has more than 7,000 global employees and achieved \$2.7 billion in 2016 revenue. Werner's deep view of the energy and technology sectors is enhanced from his work on the boards of Cree, Inc., Silver Spring Networks and the Silicon Valley Leadership Group. He also is a member of the Marquette University Board of Trustees. Werner began his career with General Electric Co., before serving with Oak Industries, Inc. This was followed by positions as vice president and general manager of the Business Connectivity Group of 3Com Corp., a network solutions company, and as CEO of Silicon Light Machines, Inc., an optical solutions subsidiary of Cypress Semiconductor Corporation.



Alan Oshima

President and CEO, Hawaiian Electric Company

Tales from Hawaii: Lessons Learned in Integrating Renewables

Alan Oshima was named president and chief executive officer of the Hawaiian Electric Company, Inc. effective Oct. 1, 2014.

Prior to being named President and CEO, he served at HEI, Hawaiian Electric's parent company, as executive vice president for corporate and community advancement and president of the HEI Charitable Foundation.

Previously, Alan served as senior vice president, general counsel and corporate secretary of Hawaiian Telcom from 2005 to 2008 and later as a senior adviser and director helping the company successfully emerge from reorganization in 2010. Alan also founded the law firm of Oshima Chun Fong & Chung and, prior to that, practiced law with Carlsmith Ball.

He has been recognized by the Hawai'i State Bar Association, the Hawai'i Institute of Public Affairs and the Public Schools of Hawai'i Foundation for his leadership and commitment to improving public education in Hawai'i. Alan chairs Hawai'i 3Rs, a nonprofit organization that facilitates public-private partnerships to repair, restore and remodel Hawai'i's public schools. He serves as a director of the Hawai'i Institute of Public Affairs, and is a member of the Governor's Every Student Succeeds Act (ESSA) Team. He is a longtime volunteer and former chairman of the board for the YMCA of Honolulu and previously served on the board of advisors for The Learning Coalition. Alan also served as one of the six Hawai'i Commissioners on the national Education Commission of the States.

Alan is a graduate of Farrington High School, Northwestern University and the University of California, Hastings College of the Law. He also served as a Supply Corps Officer with the U.S. Navy.

Closing Remarks



Thomas R. Kuhn

President, Edison Electric Institute

Tom Kuhn is President of the Edison Electric Institute, the association of investor-owned electric companies whose members generate and distribute approximately three-quarters of the nation's electricity. In addition, EEI has a growing number of international members and hundreds of industry suppliers and related organizations as Associate Members. Mr. Kuhn joined the

Institute in 1985 as executive vice president, was named chief operating officer in 1988, and elected president in 1990.

Prior to joining the Institute, Mr. Kuhn was president of the American Nuclear Energy Council, which subsequently merged with the Nuclear Energy Institute. He joined the Council in 1975 as vice president, government affairs, and became president in 1983. From 1972 to 1975, he headed the energy section of the investment banking firm, Alex Brown and Sons. Prior to that, from 1970 to 1972, Mr. Kuhn was White House Liaison Officer to the Secretary of the Navy.

Mr. Kuhn received a BA in Economics in 1968 from Yale University, served as a Naval Officer following his graduation, and completed a Masters in Business Administration in 1972 from George Washington University. He completed the Stanford University Graduate School of Business Senior Executive Program in 1989.

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Executive Director
Institute for Electric Innovation

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Co-Chair; President and CEO
NorthWestern Energy

■ **SCOTT PROCHAZKA**

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