

Powering the People 2019

ADVANCING ELECTRIC TRANSPORTATION

September 24, 2019 | 1:00 p.m. – 4:00 p.m. | Reception to Follow
The Newseum | Washington, DC

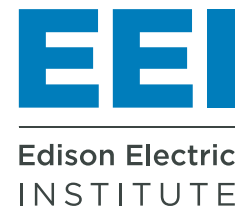
#PTP2019



The Edison Foundation

INSTITUTE for
ELECTRIC INNOVATION

Supporting Organizations



Agenda

1:00 - 1:05 p.m. Welcome: Lisa Wood, Executive Director, Institute for Electric Innovation & Vice President, Customer Solutions, Edison Electric Institute

1:05 - 1:55 p.m. Electric Transportation is a Win-Win-Win: Realizing the Full Range of Benefits

Electric transportation is a win-win-win that will provide significant environmental benefits, national security benefits, and consumer economic benefits. What policies are critical for scaling electric transportation? What are the infrastructure challenges? Why is this a critical time to support electric transportation?

Moderator: Vice Admiral Dennis V. McGinn, United States Navy (Retired), Former Assistant Secretary of the Navy, Energy, Installations and Environment

- Estela de Llanos, Vice President, Clean Transportation, Sustainability and Chief Environmental Officer, San Diego Gas & Electric
- Michael Berube, Acting Deputy Assistant Secretary for Transportation, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
- Norman J. Saari, Former Commissioner, Michigan Public Service Commission
- Britta Gross, Managing Director, Mobility Practice, Rocky Mountain Institute

1:55 - 2:45 p.m. Fleet Electrification: Tackling the Challenges and Seizing the Opportunities for Electric Trucks

Why are some of the large corporations in the U.S. looking to electrify their light-, medium- and heavy-duty vehicles? What are the challenges in terms of vehicle availability and charging infrastructure needs? What partnerships are needed to ensure a seamless transition?

Moderator: Nicole Faulk, Vice President, Corporate Services, Georgia Power

- Jim Bruce, Senior Vice President and Chief Energy Policy Officer, UPS Global Public Affairs
- Steve W. Chriss, Director, Energy Services, Walmart, Inc.
- Dawn Fenton, Director, Sustainability & Public Affairs, Volvo Group North America
- Meredith L. Alexander, Policy Director, CALSTART

2:45 - 3:00 p.m. Break

3:00 - 3:15 p.m. Keynote: The Honorable Debbie Stabenow, United States Senator, State of Michigan

Agenda

3:15 - 3:30 p.m. Brief Perspectives: Why Electric Transportation Matters

3:30 - 4:00 p.m. Cities are Switching to Electric Buses: Why Now?

How is one of the largest metro areas in the U.S. electrifying its bus fleet? What are some of the challenges and what partnerships are needed to make it work?

Moderator: Matt Ketschke, Senior Vice President, Customer Energy Solutions, Con Edison

Discussant: Jeff Knueppel, General Manager, Southeastern Pennsylvania Transportation Authority

4:00 p.m. Closing Remarks: Tom Kuhn, President, Edison Electric Institute

4:00 p.m.+ Reception

Welcome



Lisa Wood

**Executive Director, Institute for Electric Innovation
Vice President, Customer Solutions, EEI**

Lisa Wood is Executive Director of the Institute for Electric Innovation (IEI), Vice President of Customer Solutions for the Edison Electric Institute (EEI), and Vice President of The Edison Foundation.

As Executive Director of IEI, Ms. Wood collaborates with a Management Committee of more than 25 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. Under Ms. Wood's leadership, IEI published *Key Trends Driving Change in the Electric Power Industry*, Volumes I, II, and III.

As Vice President of Customer Solutions, she oversees EEI's initiatives in electric transportation, smart communities, large customer sustainability solutions, national accounts, and military customer solutions. In 2019, under Ms. Wood's leadership, EEI published *Emerging Energy Solutions for Residential Customers*.

Prior to launching IEI and joining EEI, Wood was a Principal with The Brattle Group. Wood was formerly an Adjunct Professor at Johns Hopkins University School of Advanced International Studies, an Adjunct Professor at Georgetown University's School of Foreign Service, and a Nonresident Senior Fellow in the Energy Security and Climate Initiative at The Brookings Institution.

Ms. Wood currently is Chair of the Board for the National Energy Foundation and is a Board Trustee and Treasurer of International Arts & Artists. She formerly served as an Advisor to GE Current.

Wood holds a PhD 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.

Keynote



The Honorable Debbie Stabenow **United States Senator** **State of Michigan**

U.S. Senator Debbie Stabenow made history in 2000 when she became the first woman from Michigan elected to the United States Senate. She is known for her ability to build coalitions to get things done for Michigan and our nation.

Senator Stabenow was inspired to run for office after leading a successful effort to stop the closure of a local nursing home. She was elected to the Ingham County Board of Commissioners when she was 24 years old and two years later was elected Chair of the Board. She served for 12 years in the Michigan House of Representatives (1979-90) and four years in the State Senate (1991-94). Two years later, she was elected to represent Michigan's 8th Congressional District in the U.S. House of Representatives.

As Ranking Member of the Senate Agriculture Committee, and as a senior member of the Senate Finance Committee, Energy Committee, and Budget Committee, she has a powerful and unique role to play in shaping our nation's health care, manufacturing, energy, and agriculture policies. Senator Stabenow is laser focused on standing up for Michigan families, expanding affordable health care and lowering the costs of prescription drugs, helping Michigan businesses create good jobs here at home, and protecting our Great Lakes and outdoor heritage. She is a true champion for Michigan.

Today Senator Stabenow is Michigan's senior U.S. Senator and a member of Senate leadership. As Chair of the Democratic Policy and Communications Committee, she makes sure there is a Michigan voice at the table and that Congress' priorities stay in line with the priorities of middle class families.

Electric Transportation is a Win-Win-Win: Realizing the Full Range of Benefits

MODERATOR



Dennis McGinn

Vice Admiral, U.S. Navy (Retired), Former Assistant Secretary of the Navy, Energy, Installations and Environment

Dennis McGinn was appointed and served as Assistant Secretary of the Navy for Energy, Installations and Environment from September 2013 until January 2017.

Previously, Mr. McGinn served on active duty in the United States Navy for 35 years as a naval aviator, test pilot, aircraft carrier commanding officer, and national security strategist. His capstone assignments as Vice Admiral included serving as Deputy Chief of Naval Operations and as Commander of the United States Third Fleet.

Mr. McGinn is former President of the American Council on Renewable Energy (ACORE) and a past member of the Steering Committee of the Energy Future Coalition, United States Energy Security Council, Bipartisan Policy Center Energy Board, and CNA Military Advisory Board. He currently serves as a board member for Lee Enterprise Consultants, the Electric Power Research Institute, the Rocky Mountain Institute, Customer First Renewables, Willdan Group Inc., and HALO Maritime Systems. He is a senior advisor to the Center for Climate and Security and the Scripps Institute of Oceanography.

Mr. McGinn holds a degree in Naval Engineering from the U.S. Naval Academy and was a Chief of Naval Operations Strategic Studies Fellow at the U.S. Naval War College.

PANELISTS



Michael Berube

Acting Deputy Assistant Secretary for Transportation, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Michael Berube is the Acting Deputy Assistant Secretary for Transportation in the Office of Energy Efficiency and Renewable Energy. In this role, he oversees EERE's Sustainable Transportation sector, which includes the Vehicle, Fuel Cell, and Bioenergy Technologies offices. This portfolio focuses on research and development to increase access to domestic, clean transportation fuels and improve the energy efficiency, convenience, and affordability of transporting people and goods to support U.S. energy security, economic productivity and competitiveness.

Previously, he led the Vehicle Technologies Office. In this post, he led an array of activities that help reduce America's dependence on foreign oil and secure a clean energy future.

He brings more than 25 years of experience in the automotive industry to EERE, specifically in the areas of environmental compliance, energy and safety policy, product development and marketing. He has worked on a broad range of electric vehicle, connected car and advanced powertrain initiatives. Michael also led multiple environmental and energy initiatives within the Chrysler Corporation.

Michael has a Bachelor of Science degree in civil engineering from MIT. He later returned to MIT as both a graduate student and researcher where he received a master's degree in the Technology and Policy Program and a master's degree from the Sloan School of Management. He was recognized for his early work on corporate sustainability and led research for the MIT International Motor Vehicle Program.

**Britta K. Gross****Managing Director, Mobility Practice, Rocky Mountain Institute**

Britta Gross is a Managing Director at Rocky Mountain Institute (RMI). She leads the Institute's mobility practice, which is focused on market-driven strategies, technologies and policies required to accelerate towards a carbon-free mobility future.

Ms. Gross began her career with Hughes Space & Communications, leading Mission Design and Systems Engineering teams developing communication and weather satellite programs. In the late 90's, she led a joint project in Germany with Hughes, GM, and Opel vehicle design engineers. For the past 15 years, Ms. Gross was the Director of Advanced Vehicle Commercialization Policy at General Motors, responsible for identifying energy strategies, partnerships, and policies required to enable the commercialization of GM's electrified vehicle programs (battery electric and hydrogen fuel cell EVs).

Ms. Gross has an Electrical Engineering degree from LSU in Baton Rouge and studied language arts at the University of Wurzburg in Germany. She served on the Board of Directors of the Electric Drive Transportation Association (EDTA) and the Alliance for Transportation Electrification (ATE), and as a Governor appointee on the Massachusetts Zero Emission Vehicle Commission and the Maryland Electric Vehicle and Infrastructure Commission. She is currently a Commissioner for the Orlando Utility Commission. She has received the Automotive News' "Electrifying 100", the 2013 GreenBiz "Verge 25" award, and a USCAR Special Recognition Award.

**Estella de Llanos****Vice President, Clean Transportation, Sustainability and Chief Environmental Officer, San Diego Gas & Electric Company**

Estela de Llanos is Vice President of Clean Transportation, Sustainability and Chief Environmental Officer for San Diego Gas & Electric (SDG&E), a Sempra Energy regulated California utility.

De Llanos joined Sempra in 2007 as senior environmental counsel. Most recently, de Llanos was Vice President of Operations Support, Sustainability and Chief Environmental Officer for both SDG&E and Southern California Gas Company. Prior to joining Sempra Energy, de Llanos was an attorney in the Los Angeles office of Latham & Watkins LLP where she specialized in land use and environmental matters.

De Llanos currently serves on the board of the California League of Conservation Voters Education Fund and the Francis Parker School Board of Trustees. De Llanos previously served on the Board of the Los Angeles Center for Law and Justice and the Del Mar Schools Education Foundation. De Llanos holds a law degree from the University of Pennsylvania and a bachelor's degree in psychology with a second major in international studies from Yale University.

**Norman J. Saari****Former Commissioner, Michigan Public Service Commission**

Norman J. Saari served on the Michigan Public Service Commission from August 2, 2015 to August 9, 2019. While on the Commission, Saari led the technical conferences that resulted in the major regulated electric utilities in Michigan developing EV pilot programs. The utilities were authorized to develop 3-year programs to study EV education, the impact of charging on the grid, pricing and infrastructure.

As a Commissioner, Saari served on the National Association of Regulatory Utility Commissioners committees on pipeline safety, nuclear waste disposal and the Washington Action Program, and was elected to serve as president of the Mid America Regulatory Commissioners (MARC).

Previously, Saari worked for 30 years for Consumers Energy Company, including serving as executive director of governmental affairs; was Chief of Staff for the Michigan House of Representatives; served as Governor Rick Snyder's manager of appointments; and was Chief of Staff for State Senator Jason Allen. Commissioner Saari earned a bachelors degree in journalism from Michigan State University and served as a public information officer in the Michigan National Guard.

Fleet Electrification: Tackling the Challenges and Seizing the Opportunities for Electric Trucks

MODERATOR



Nicole Faulk

Vice President, Corporate Services, Georgia Power

Nicole Faulk serves as vice president of Corporate Services for Georgia Power. In this role, she provides leadership and oversight for safety and health, facilities management, fleet management, forestry and right-of-way and shared services. She also serves as an SCS vice president in a dual role with responsibility for Southern Company Gas, SCS fleet and facilities management.

Faulk began her career with Southern Company in 1998 as an engineer in Southern Nuclear's professional development program. She held positions of increasing responsibility at Farley Nuclear Plant in Alabama, including obtaining a senior reactor operator license, and specifically in the development of Georgia Power's Vogtle 3 and 4 projects – the first new nuclear power plants to be built in the United States in more than 30 years.

Prior to her current role, Nicole served as vice president of Customer Service and Operations at Mississippi Power, with responsibility for Power Delivery, including Transmission, Distribution and Engineering, as well as Marketing and Sales, Customer Service and the Customer Call Center for more than 188,000 customers across 23 counties in southeast Mississippi.

She holds both a bachelor's degree and a master's degree in mechanical engineering from Auburn University. In April 2018, Faulk was named Auburn's Mechanical Engineering Alumna of the Year.

PANELISTS



Meredith L. Alexander

Policy Director, CALSTART

Meredith Alexander joined CALSTART as Policy Director in 2019. She focuses on California Legislative and Regulatory Affairs, but is currently expanding CALSTART's regulatory work to other states. Meredith joined CALSTART after a long career in the public sector, most recently at the Sacramento Municipal Utility District (SMUD).

As a Senior Regulatory Analyst at the California Public Utilities Commission for many years, Meredith led proceedings on resource adequacy and renewables integration, and served as a liaison to the California ISO. At the CPUC, Meredith published numerous white papers and policy proposals on renewable integration and capacity market issues. Meredith previously served in Governor Brown's administration as the Special Assistant to the Cal-EPA Secretary, and earlier in her career she worked with the automotive industry at the ENERGY STAR for Industry program at U.S.EPA.

Meredith holds a J.D. and a Certificate in Environmental Law from Lewis & Clark Law School, and a Bachelors in Environmental Policy from Tulane University. She is a member of the Colorado Bar.



Jim Bruce

Senior Vice President and Chief Energy Policy Officer, UPS Global Public Affairs

Jim Bruce has served UPS in Washington, D.C. for 11 years, working on issues related to sustainability, urban access planning, energy policy, alternative fuel vehicles, and regulatory law related to parcel delivery. Jim is on the UPS Sustainability Leadership Council.

Prior to joining UPS, Jim was a partner in a Washington, D.C. law firm, assisting clients on energy, environmental legislation, electric utility issues, as well as procurement law. Before that, he was the Senior Counsel to the U.S. Senate Committee on Energy and Natural Resources with 13 years' service.

He graduated from Princeton University with a B.S.E. (with Honors) and M.S.E. in aerospace mechanical engineering. He received his J.D. from George Washington University Law School and is a member of the District of Columbia Bar and is a registered patent attorney. He was honorably discharged as a captain in the U.S. Army Transportation Corps.



Steve W. Chriss

Director, Energy Services, Walmart, Inc

Steve W. Chriss is Director of Energy Services for Walmart, Inc., and is responsible for managing Walmart's regulatory and legislative cost exposure from changes in electric and natural gas rates, interventions in utility proceedings, pricing analyses, and renewable opportunities behind regulated utilities. Since 2007, he has managed interventions in over 300 regulatory dockets. Steve serves as a witness on behalf of Walmart and has testified in over 180 rate and policy dockets in 38 states and on legislative matters in two states.

Prior to joining Walmart, Steve was an Economist and later Senior Utility Analyst for the Oregon Public Utility Commission from 2003 to 2007. From 2001 to 2003, Steve worked as an Analyst on domestic and international energy regulatory projects for Econ One Research, Inc., an energy and economics consulting firm.

Steve received a M.S. in Agricultural Economics from Louisiana State University in 2001 and a B.S. in Agricultural Development and a B.S. in Horticulture from Texas A&M University in 1997. He also completed coursework in Agricultural Education and Communication at the University of Florida.



Dawn Fenton

Director, Sustainability & Public Affairs, Volvo Group North America

Dawn Fenton serves as the Director of Sustainability & Public Affairs for Volvo Group North America. She has been with Volvo Group for 8 years and has responsibility for advanced technology policy and sustainability issues as well as California government relations.

Prior to joining the Volvo Group, Dawn spent 6 years as the Director of Policy at the Diesel Technology Forum, where she led the organization's policy outreach and educational efforts. Dawn has worked in the government relations field for over 25 years across a range of energy, environment, sustainability, foreign policy and trade-related issues in the public, private and non-profit sectors.

She received her master's degree from the Georgetown University School of Foreign Service and her bachelor's degree from Tufts University.

Cities are Switching to Electric Buses: Why Now?

MODERATOR



Matt Ketschke

Senior Vice President, Customer Energy Solutions, Con Edison

Matt Ketschke is senior vice president of Customer Energy Solutions for Consolidated Edison Company of New York, Inc. His organization integrates infrastructure planning, innovative technical options, and energy efficiency. It also oversees rate design strategy, electric vehicle initiatives, and the design and implementation of the company's smart meter program and its new customer information system.

Matt has been with Con Edison for more than 20 years. Before assuming his current position in 2017, Matt previously served for two years as vice president for Distributed Resource Integration, collaborating with regulators and stakeholders on efforts related to grid-edge, customer-sided resources and non-traditional utility solutions concurrent with New York's Reforming the Energy Vision (REV) effort.

Between 2012 and 2015, he was a VP for electric operations, with responsibility for the safety, reliability, operation and maintenance of electric system. Between 2009 and 2012, he was director of Con Edison's Learning Center, directing and managing compliance and skills training for the company's 13,000-plus employees.

Between 2004 and 2009, he was general manager for Brooklyn and Queens electric operations. He holds two degrees from Stevens Institute of Technology: a Bachelor of Engineering in Mechanical Engineering and Master of Science in Management; he also received an MBA from Columbia University.

DISCUSSANT



Jeffrey D. Knueppel

General Manager, Southeastern Pennsylvania Transportation Authority

Jeffrey D. Knueppel is the tenth General Manager to serve the Southeastern Pennsylvania Transportation Authority (SEPTA). Prior to becoming GM he served as Deputy General Manager, and Assistant General Manager/Chief Engineer for the Engineering, Maintenance & Construction Division. He is proud of his role as a member of the SEPTA Team working with the Board Chair, the SEPTA Board, and the Authority's 9,500 employees to create an organization and a system that is strong for the region, our riders, and our employees.

As GM, Knueppel is committed to concentrating on customer satisfaction, employee development, safety, investment in infrastructure and vehicles, and business innovation at SEPTA.

SEPTA has a comprehensive Sustainability program that demonstrates its commitment to being an efficient business while working to improve the environment. Using the Sustainability Plan as the framework, Knueppel is advancing major initiatives including a pilot program to introduce battery-electric buses; renewing the bus fleet to make it 95% hybrid vehicles; introducing state of the art storm water management systems at transportation locations; installing solar panels at bus and rail maintenance facilities; and undertaking energy saving infrastructure upgrades at SEPTA headquarters. In two groundbreaking moves, the Authority entered into a long term agreement to purchase 19% of its annual electricity from two solar farms being built to SEPTA energy specifications and SEPTA will become the first major transportation agency to use solar technology on a large scale to reinforce power for its Regional Rail signal system.

Mr. Knueppel was appointed in 2018 by Governor Tom Wolf to serve as the Pennsylvania voting member of the Northeast Corridor Commission (NECC) and he is Chair of the NECC Operations & Performance Committee.

Closing Remarks



Tom Kuhn

President, Edison Electric Institute

Mr. 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.

Prior to joining the Institute, Mr. Kuhn was president of the American Nuclear Energy Council. The Council represented virtually all of the companies in the commercial nuclear power industry.

From 1972 to 1975, he headed the energy section of the investment banking firm, Alex Brown and Sons. 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 currently serves on the Boards of the Alliance to Save Energy, the United States Energy Association, the Electric Drive Transportation Association, and the American Council for Capital Formation. He is Chairman-Emeritus of the Committee of 100 of the U.S. Chamber of Commerce, Chairman-Emeritus of the American Society of Association Executives (ASAE), and past-chairman of the Alliance to Save Energy, and the ASAE/Key Industry Association Committee.

About the Institute for Electric Innovation

The Institute for Electric Innovation focuses on advancing the adoption and application of new technologies that will strengthen and transform the energy grid. IEI's members are the investor-owned electric companies that represent about 70 percent of the U.S. electric power industry. The membership is committed to an affordable, reliable, secure, and clean energy future.

IEI promotes the sharing of information, ideas, and experiences among regulators, policy makers, technology companies, thought leaders, and the electric power industry. IEI also identifies policies that support the business case for the adoption of cost-effective technologies.

IEI is governed by a Management Committee of electric industry Chief Executive Officers. In addition, IEI has a Strategy Committee made up of senior electric industry executives and a select group of technology companies on its Technology Partner Roundtable.

About the Edison Foundation

The Edison Foundation is a 501(c)(3) charitable organization dedicated to bringing the benefits of electricity to families, businesses, and industries worldwide. Furthering Thomas Alva Edison's spirit of invention, the Foundation works to encourage a greater understanding of the production, delivery, and use of electric power to foster economic progress; to ensure a safe and clean environment; and to improve the quality of life for all people. The Edison Foundation provides knowledge, insight, and leadership to achieve its goals through research, conferences, grants, and other outreach activities.



Institute for Electric Innovation

701 Pennsylvania Avenue, N.W. | Washington, D.C. 20004-2696
202.508.5440 | Visit us at: www.edisonfoundation.net