



AHC Group's ENERGY COMPETITIVENESS 3.0

October 23-25, 2018

Location: Grand Bohemian Hotel Mountain Brook
2655 Lane Park Road, Birmingham, AL 35223

Chaired by Ken Strassner, AHC Group Senior Associate
Facilitated by Bruce Piasecki, AHC Group President and Founder

Sponsoring Corporate Members



From our ongoing
Energy Innovation and Carbon Competitiveness Workshop Series



Tuesday October 23 at 2:30-3:30pm

Smart Neighborhood Tour



**SMART
NEIGHBOR®**

Tuesday October 23 at 5:00pm – 8:00pm

Networking Reception and Dinner

Galley and Garden, 2220 Highland Avenue South, Birmingham

Wednesday October 24 at 6:30pm – 9pm

Dinner

Grand Bohemian Mountain Brook Ballroom I

2655 Lane Park Road, Birmingham

Please confirm your plans to attend by emailing marti@ahcgroup.com.

Hotel Accommodations:

Grand Bohemian Hotel Mountain Brook

2655 Lane Park Road, Birmingham,, AL 844-284-3680

Contact bruce@ahcgroup.com or ken@ahcgroup.com for any content questions.

7:30 – 8:00 | Continental Breakfast

8:00 – 8:15

Introduction of Participants

8:15 – 8:45

Mark Lantrip, CEO, Southern Power

Welcome AHC and Introduction of Southern Company and Subsidiaries

Workshop 1:

Technology, Innovation and U.S. Energy Policy—How North American Energy Independence and the changing Federal and State Energy policies are shaping the business climate and creating opportunities for innovation.

Chaired by John Mogge, Federal Solutions and Technology Manager, Jacobs

8:45 – 9:45

Justin Ladner, Federal and State Governmental Affairs Manager, Southern Power
How Are Federal and State Energy Policies Changing and What Do These Changes Mean

9:45 – 10:45

Jeff Moe, Global Director, Energy Policy & Product Advocacy, Center for Energy & Efficiency, Ingersoll Rand
Putting Innovation to Work, How to Best Do It.

10:45 – 11:00 | Break

11:00 – 11:45

Brian Werner, Account Director, Trucost, part of S&P Global
Communicating Positive Impacts of Corporate Actions

11:45 – 12:45 | Lunch

Workshop 2:

Innovation in Financing Alternative Energy and Energy Efficiency

Chaired by John Streur, President and CEO Calvert Research & Management

12:45 – 1:45

Henry Shine, Senior Vice President, Macquarie
Global Trends in Energy Investment

1:45 – 2:30

Amy Dine, Partner, Director of Advocacy, Terra Alpha Investments, LLC
Measuring Corporate Environmental Productivity

2:30 – 2:45 | Break

2:45 – 3:45

Jay Zoellner, CEO, Edison Energy
**Artificial Intelligence for Energy Solutions:
How Analytics AI Informs Energy Portfolio Solutions**

3:45 – 4:30

Jeff Eckel, Chairman, President and CEO, Hannon Armstrong
Theory of Sustainable Investing

4:30 – 5:30

Terry Kulesa, Co-Founder and CEO, Red Rock Biofuels
Financing and Building a Biofuels Facility with FedEx and Southwest Airlines

6:30

Dinner

Grand Bohemian Mountain Brook Ballroom I

Speaker:

Todd Rath, Director of Marketing Strategy, Programs, and Intelligence, Alabama Power
Smart Neighborhood: Tomorrow's Homes. Today

7:30 – 8:00 | Continental Breakfast

Workshop 3:

Engaging Stakeholders on Energy and Infrastructure Issues

Co-Chaired by Bart Mongoven, President and CEO, Keyframe Policy, and
Edwin Makkinga, Manager, Carbon and Energy Efficiency, Enbridge

8:00 – 8:30

Recap and Takeaways from Day 1, facilitated by Bruce Piasecki

8:30 – 8:45

Edwin Makkinga, Manager, Carbon and Energy Efficiency, Enbridge
Delivering Socially Responsible & Environmentally Sustainable Energy

8:45 – 9:30

Bart Mongoven, CEO, Keyframe Policy
**How to Work Effectively with Major NGOs.
Energy Issues Key NGO Groups Care Most About**

9:30 – 10:30

Andrea Grover, Director Stakeholder Outreach, Enbridge
A Case Study in Effective Stakeholder Engagement

10:30-10:45 | Break

10:45 – 11:45

Greg Hamra, Leader, Citizens' Climate Lobby
**The Future of Carbon Tax for True Energy Competitiveness
(Capitalism for the Environment)**

11:45– 12:00

Panel Discussion with participants including:

Gord Lambert, former Executive Advisor Sustainability and Innovation, Suncor Energy,
and Senior Associate, AHC Group
Doug Hartman, First Energy

12:00 – 1:00 | Lunch

Workshop 4:

Energy Innovation as a Competitive Advantage

Chaired by Tim Lindsey, Senior Associate, AHC Group

1:00 – 2:00

Mike Grichnik, Emerging Technologies Program Leader, Caterpillar
Generating Power from Organic Waste

2:00 – 3:00

Frank Miyagawa, Senior Program Manager, Jacobs
Innovation benefits from the DOD's focus on energy security and energy surety

3:00 – 3:15 | Break

3:15 – 4:15

Eric Dupont, Executive Vice President & Chief Commercial Officer, Power Secure
PowerSecure Overview: A View of Energy Services

4:15 – 5:00

Roundtable Discussion with all participants:
Wrap up and next steps

Contact Bruce Piasecki at 518-583-9615 for more information.

Workshop Facilitated by AHC Group's Bruce Piasecki and Ken Strassner



Bruce Piasecki
President and
Founder



Dr. Bruce Piasecki is the president and founder of AHC Group, Inc., a management consulting firm specializing in energy, materials, and environmental corporate matters, whose clients range from Suncor Energy, Hess, FMC, the Warren Buffet firm Shaw Industries, Toyota and other global companies in his Corporate Affiliates training workshops.

Piasecki is the author of several seminal books on business strategy, valuation, and corporate change, including the Nature Society's book of the year, *In Search of Environmental Excellence: Moving Beyond the Blame* as well as recent New York Times, USA Today, and Wall Street Journal bestseller *Doing More With Less*, as well as *Doing More with Teams*, both now available in paperback editions, plus his most recent *New World Companies: The Future of Capitalism*.

Since 1981, he has advised companies about the critical areas of corporate governance, energy, environmental strategy, product innovation, and sustainability strategy with his teams of Senior Associates. See www.ahcgroup.com for more details.



Ken Strassner
Senior Associate



Ken Strassner is an honors graduate (Magna cum Laude) of Yale College (1968) and of Yale Law School (1974). Prior to joining Kimberly-Clark in 1976, Mr. Strassner served as an officer in the U. S. Navy, practiced with a Washington, D.C. law firm and served as Executive Assistant to the Assistant Secretary of Labor for Occupational Safety and Health. Mr. Strassner's legal specialties include U.S. and international environmental and energy law, product safety matters and occupational safety and health requirements.

In 1988, Mr. Strassner was appointed Vice President-Environment and Energy, Kimberly-Clark Corporation, responsible for formulation of corporate policies and management of the Corporation's technical support staffs in both areas. From 2004 to 2008, Ken served as Vice President - Global Environment, Safety, Regulatory and Scientific Affairs for Kimberly-Clark. In 2009, Ken became a Senior Associate at the AHC Group after retiring from Kimberly-Clark.

Technology, Innovation and U.S. Energy Policy

Chaired by John Mogge



John Mogge

Federal Solutions and Technology Manager



A 17 year veteran of Jacobs and CH2M, Dr. Mogge has served in numerous leadership role including the interim President of its Nuclear and Environmental Business, the firm's Global Environmental Market Director and is currently the Solutions and Technology Manager for Jacobs Federal business. His doctoral work was driven by his belief that the governmental entities and industries of the built environment must transform and become orders of magnitude more resource efficient. His Georgia Institute of Technology 2004 dissertation examined the economics of sustainable planning, design, and construction.

Dr. Mogge has specialized experience in large program delivery management, prototypical and definitional project development as sustainable outcomes. His experience includes the successful delivery multiple large scale military weapon system bed down programs for the US Army and the US Air Force, large program sustainability planning and start-up operations, including the London 2012 Olympics Sustainability Program Plan, and the MASDAR City (UAE) Sustainable Transportation Technical Integration Program Plan. Dr. Mogge is a USAF Colonel and retired from active duty in 2001.

Welcome AHC and Introduction of Southern Company and Subsidiaries

Mark Lantrip



Mark Lantrip
President and CEO



Mark Lantrip serves as president and CEO of Southern Company Services Inc., overseeing the company's information technology, supply chain management and marketing, innovation and planning. He is also responsible for PowerSecure, Southern Company's distributed infrastructure development company; Southern Linc Wireless, the company's

wireless telecommunications provider; and Southern Telecom, the company's wholesale fiber optic network provider.

In March of 2018, he added the roles of interim chairman, president and CEO of Southern Power, a subsidiary of Southern Company. Southern Power is America's Premier Wholesale Energy Partner, meeting the electricity needs of municipalities, electric cooperatives, investor-owned utilities and other energy customers with one of the fastest growing clean energy portfolios in the U.S.

Prior to assuming his current role of president and CEO of Southern Company Services Inc., in February 2014, Lantrip served as executive vice president of finance and treasurer of Southern Company Services and treasurer of Southern Company with responsibility for financial planning and analysis, enterprise risk management, trust finance, capital markets and treasury.

Lantrip joined Southern Company in 1981 as an analyst in the corporate planning department of Gulf Power and progressed through various areas of responsibility at both Georgia Power and Southern Company Services.

In 1994, he was named manager of financial planning and analysis at Southern Company Services and was promoted in 1999 to director of financial planning and analysis. In that role, he was responsible for delivering Southern Company's financial plan and stewarding Southern Company's financial policy, providing leadership and financial input to executive management on strategy, goals and other financial decisions.

Lantrip was promoted to vice president of financial planning and risk management in 2004, consolidating responsibility for the company's financial planning and enterprise risk management activities. In 2007, he became vice president of finance and treasurer of Southern Company Services and treasurer of Southern Company. He was promoted to senior vice president later that year and executive vice president in 2010.

How Are Federal and State Energy Policies Changing and What Do These Changes Mean

Justin Ladner



Justin Ladner

Federal and State Governmental Affairs Manager



Justin Ladner is currently responsible for Southern Power's federal and state governmental/external affairs for all territories served including: AL, GA, NC, FL, ME, MN, TX, OK, NM, CA, and NV.

Justin joined Southern Company in 2011 as an Attorney in Southern Nuclear supporting the Vogtle 3&4 project. In 2013, he joined Alabama Power where he served as Compliance and Support Manager at Miller Steam Plant before being selected in 2014 to serve as Assistant to the Executive Vice President for Nuclear Development, Buzz Miller. In 2015, shortly after Southern announced the acquisition of AGL Resources, he was selected to join the Integration Management Team (IMO) where he supported the successful merger of the two companies until his recent transition to Southern Power.

Justin is a graduate of the University of Alabama where he earned his Bachelor of Science Degree in Metallurgical and Material Engineering in 2002. He went on to earn his Master of Science Degree in Metallurgical and Material Engineering in 2008 and his Juris Doctor degree from the University of Alabama School of Law in 2010.

Putting Innovation to Work, How to Best Do It.

Jeff Moe



Jeff Moe

Global Director, Energy Policy & Product Advocacy
Center for Energy Efficiency & Sustainability



Jeffrey (Jeff) Moe is the Global Director of Energy Policy & Advocacy for Ingersoll Rand. Jeff directs the company's energy leadership and develops market segment advocacy strategies related to energy efficiency and sustainability-related developments. His extensive experience in product management enhances business partnership to identify energy leadership prospects for strategic growth and sustainable outcomes for customers.

Prior to this role, Jeff was the product business leader for Applied and then Unitary Equipment in North America for Trane, a business of Ingersoll Rand. This included P&L responsibility for Trane's applied and then unitary equipment segment including product life cycle management.

Prior to that he led product management and marketing for Trane Europe, Middle East, and Africa.

He has an extensive background in global policy and advocacy including service on the boards of the Alliance for Responsible Atmospheric Policy, the Business Council for Sustainable Energy, and the Green Building Initiative. In addition, he has been actively involved as a business advisor at the Montreal Protocol and United Nations Framework Convention on Climate Change.

Jeff holds a Bachelor of Science degree in mechanical engineering from Iowa State University.

Communicating Positive Impacts of Corporate Actions

Brian Werner



Brian Werner
Account Director, ESG

Trucost
ESG Analysis

S&P Global

Brian is responsible for helping corporations quantify and value environmental performance of their operations and supply chains to meet investor expectations and procurement needs. He speaks frequently at industry events on sustainability reporting, supply chains, carbon pricing, integrated value assessments, and natural capital.

Prior to joining Trucost, Brian spent over 15 years in the advertising industry, specializing in healthcare, retail, and consumer packaged goods as a Media Director at Razorfish and CMI and as a Senior Account Executive at AOL. Brian holds a BS from the University of Delaware in Business Administration (Marketing) and a Master of Environmental Studies (Sustainability) from the University of Pennsylvania.

Innovation in Financing Alternative Energy and Energy Efficiency

Chaired by John Streur



John Streur
President and CEO



John Streur President and Chief Executive Officer of Calvert Research and Management, an investment management firm that specializes in responsible and sustainable investing across global capital markets. Calvert serves all types of investors through its family of mutual funds and separate accounts. Mr. Streur is also President and a Trustee/Director of the Calvert Funds and a Director of Calvert Foundation and member of its Risk Oversight Committee.

Since joining Calvert as CEO in 2015, Mr. Streur has restructured Calvert with focus on investment research and emphasis on environmental, social and governance factors integrated with investment decisions. He has guided the creation of the Calvert Principles for Responsible Investing and the Calvert Research System, as well as the development of the Calvert Responsible Investment Index Funds.

Mr. Streur began to focus his energy exclusively on responsible and sustainable investing in 2012, as President, Director and Principal of Portfolio 21, a boutique investment management firm specializing in global environmental investing. Previously, he spent 20 years at Managers Investment Group LLC (and its predecessor), a firm he co-founded and where he served as President, CEO and Chair of the Investment Committee. He was also President and Trustee of the firm's fund family, Managers Funds and Managers AMG Funds. Managers Investment Group LLC grew to over \$30 billion in assets under management and offered investment strategies across global equity, debt and derivative markets. Mr. Streur has managed socially responsible investments at the request of institutional clients, including public funds, religious institutions, and college and university endowments since 1991.

Mr. Streur is a founding member of the Investor Advisory Group for the Sustainable Accounting Standards Board (SASB), a group of leading asset owners and asset managers committed to improving the quality and comparability of sustainability related disclosure by corporations for use by investors. He is currently a Director on the Board of the Environmental Media Association, whose mission is to motivate the entertainment industry to educate the public about environmental issues and sustainability through all forms of media. He is a graduate of the University of Wisconsin; Bachelor of Science, College of Agriculture and Life Sciences.

Global Trends in Energy Investment

Henry Shine



Henry Shine
Senior Vice President



Henry Shine is a Senior Vice President of Macquarie. Henry has led or supported investments totaling over \$4bn over his career and has been with Macquarie for over 6 years, where he focuses on renewable energy, real estate, healthcare and technology businesses. He has led project investment teams and has experience in project management, legal structuring, due diligence analysis and contract negotiation. Prior to Macquarie he was an Analyst with Silver Point Capital and Morgan Stanley. Henry attended the University of Notre Dame where he received a degree in Finance and Mandarin Chinese.

Measuring Corporate Environmental Productivity

Amy Dine



Amy Dine
Partner, Director of Advocacy



Amy leads Terra Alpha's advocacy and engagement efforts around company disclosure with business leaders, other investment professionals, and regulators; advocates for improved company disclosure of environmental data; and advances Terra Alpha's research and approach. She also oversees our proxy policies and voting. She is lead author of Terra Alpha's report on soil.

Amy spent ten years with Capital Group Companies. As one of the global economists, she focused on OECD economies, portfolio asset allocation, and industry-specific macro research in the investment group. She later took on environmental, social, and governance research and engagement for Capital International's institutional business as the initial SRI investment specialist, overseeing \$15 billion in assets with an SRI/ESG mandate. She joined the firm as part of The Associates Program, a select, in-house MBA-equivalent rotational program. Prior to Capital, she was at the US Department of State.

She is on the USSIF Research Advisory Committee for the biannual report on US Sustainable, Responsible, and Impact Investing Trends, as well as part of the PRI ESG Integration Working Group.

She holds an AB in Social Studies with honors from Harvard College. She lives currently in Washington, DC.

Artificial Intelligence for Energy Solutions: How Analytics AI Informs Energy Portfolio Solutions

Jay Zoellner



Jay Zoellner
CEO



Jay Zoellner is Chief Executive Officer. Edison Energy creates competitive advantage for market leaders by quantifying energy risk and designing the portfolio solution to protect shareholder value threatened by complex energy policies, technology advances and new products.

Jay is responsible for helping large commercial and industrial customers manage energy costs and risks to create competitive advantage and protect shareholder value.

With more than 30 years of management experience in the energy and energy efficiency fields, Jay developed and commercialized one of the first real-time software-as-a-service energy platforms for commercial and industrial enterprises.

Jay has served as an invited panel member at multiple events including the California PUC's Diversifying California's Green Economy Forum, discussing the impact of California's AB 32 climate change legislation. He often speaks at industry and trade conferences on energy efficiency and sustainability.

Theory of Sustainable Investing

Jeff Eckel



Jeff Eckel
Chairman, President and CEO



Mr. Eckel is President, CEO and Chairman of Hannon Armstrong (NYSE:HASI), a capital and services provider focused on sustainable infrastructure markets that reduce climate changing greenhouse gas emissions ("GHG") as well as mitigating the impact of, or increasing resiliency to, climate change.

With an investment thesis that superior risk-adjusted returns will be achieved by investing on the right side of the climate change line, Hannon Armstrong has been a leader in measuring and tracking greenhouse gas (GHG) emissions and invests only when incremental GHG emissions are neutral to negative.

Mr. Eckel has led Hannon Armstrong in the role of President and CEO since 2000, and was also with the firm from 1985 to 1989. Previously, he held senior executive positions as CEO of EnergyWorks, LLC and Wärtsilä Power Development. He is currently a member of the board of directors of the Alliance To Save Energy and is a member of the President's Council of Ceres, Inc., the Cornell University Program in Infrastructure Policy advisory board and on the board of The Nature Conservancy of MD and DC.

Mr. Eckel has over 35 years of experience in structuring, executing and operating energy and infrastructure investments. Mr. Eckel received a Bachelor of Arts degree from Miami University in 1980 and a Master of Public Administration degree from Syracuse University, Maxwell School of Citizenship and Public Affairs, in 1981.

Financing and Building a Biofuels Facility with FedEx and Southwest Airlines

Terry Kulesa



Terry Kulesa
Co-Founder and CEO



Terry Kulesa is a co-founder and CEO of Red Rock Biofuels. Terry handles business development, team management and construction and operations. His previous experience included the design, construction and operation of five ethanol plants totaling over \$500 million of construction and over \$500 million of annual revenues. Terry has over 20 years experience in managing biofuel operations. He holds a Bachelors Degree in Ag-Biosciences (Dairy Manufacturing) from South Dakota State University and an MBA from the University of Minnesota.

Smart Neighborhood: Tomorrow's Homes. Today

Todd Rath



Todd Rath

Director of Marketing Strategy, Programs, and Intelligence



Todd Rath is the Director of Marketing Strategy, Programs, and Intelligence at Alabama Power. His current responsibilities include lead generation, strategy development, predictive analytics, development, implementation, and management of both kWh and non-kWh programs, products, and services.

Todd began his career with Southern Company as assistant treasurer for Mississippi Power. At Mississippi Power, Todd worked in both Finance and Marketing roles. In 2000 Todd moved to Alabama Power where he has served in a variety of roles within the Marketing organization.

Todd is currently the chairman of the System Customer Leadership Team and served on the 2014 core team for SO Prize.

Engaging Stakeholders on Energy and Infrastructure Issues

Co-Chaired by Bart Mongoven



Bart Mongoven
President and CEO



Bartholomew T. (Bart) Mongoven is President and CEO of Keyframe Policy Consulting. He guides Keyframe in its focus on the evolution of corporate and public policy issues at the intersection of risk and sustainability. He and his staff of analysts identify emerging issues that corporations will face in the short, medium, and long term, and examine the thought leaders, influential figures, and strategists in NGOs, academia, and industry pressing those issues forward. In this context, he helps clients understand, predict, and prepare for the future understanding of “sustainability.”

Mongoven specializes in policy formation surrounding climate change, corporate social responsibility, human rights, and chemicals. He has worked on these issues since 1995, when he started as an analyst at Washington-based consulting firm MBD, Inc. In the intervening years, he has studied policy formation in Latin America, Africa, and Asia as well as the United States, and he is expert in the process of international treaty development.

From 2003 until 2010, Mongoven worked for Austin-based Stratfor, Inc., a publishing and consulting firm. Mongoven oversaw Stratfor’s Public Policy Group. In January 2011, Keyframe spun off from Stratfor to become an independent entity.

Over the course of his career, Mongoven has worked with executives from most of the companies in the Fortune 50 and generally works with the senior leaders of corporations, including CEOs, corporate secretaries, general counsels, and vice-presidents/directors of sustainability.

Engaging Stakeholders on Energy and Infrastructure Issues

Co-Chaired by Edwin Makkinga



Edwin Makkinga

Manager, Carbon & Energy Efficiency



Edwin is the Manager of Carbon and Energy Efficiency for Enbridge Inc., one of North America's largest energy companies. In this role, he leads the company's climate policy initiatives, responding to an increasingly carbon constrained environment. One of his tasks to date has been the development of greenhouse gas reduction goals across Enbridge's business units. Enbridge's key successes thus far include identifying key performance indicators and building the company's carbon and energy footprint across its hydrocarbon transportation, natural gas processing, transmission and distribution and renewable energy business.

Before joining Enbridge Inc., he worked for Enbridge Gas Distribution and Aqua Terre Solutions which enabled him to gain a strong background in environmental management with a focus in air emissions, contaminated soil and groundwater remediation and environmental assessment and screenings.

He has a B.Sc. from Redeemer College and a Certificate of Environmental Management from the University of Toronto.

A Case Study in Effective Stakeholder Engagement

Andrea Grover



Andrea Grover

Director Stakeholder Outreach, Sabal Trail Transmission, LLC



Andrea Grover is director of stakeholder outreach for Sabal Trail Transmission, LLC. The Sabal Trail project is a 517-mile joint venture project between Spectra Energy Partners (Enbridge's master limited partnership), NextEra Energy and Duke Energy. In this role she strategically educates and engages local and regional stakeholders including landowners, community members, public officials, media, regulators, and interest groups about the project.

As a leader in Enbridge's Public Affairs and Communications department, she directs public and community outreach related to the company's U.S. natural gas and liquid projects, as well as engaging communities to ensure confidence in safety and reliability. Andrea has a strong technical knowledge of construction, regulations and operations which compliment a genuine understanding of the needs of communities where Enbridge works and operates.

Prior to joining the Spectra Energy's Communications and External Affairs group in 2008, Andrea served as manager of Right of Way for the company. She managed project teams in land negotiations and agreements with community members throughout the U.S. where Spectra Energy permitted and constructed new pipelines.

Having served in the natural gas industry since 1998, Andrea has provided counsel to a number of industry and regulatory groups on issues of public involvement, safety and pipeline siting. She has been instrumental in promoting dialogue between industry and emergency responders, raising the bar within the industry regarding public outreach during pipeline projects, and educating communities about the importance of natural gas to our economy.

She earned a Bachelor of Science degree from Montana State University. She is a member of the Interstate Natural Gas Association of America Foundation, Women in Energy, as well as other industry groups and associations.

The Future of Carbon Tax for True Energy Competitiveness (Capitalism for the Environment)

Greg Hamra



Greg Hamra
Leader



Citizens' Climate Lobby

Greg Hamra is a frequent guest lecturer at universities, non-profits, professional organizations, and conferences on issues at the nexus of business, society, and environment.

Focused on driving bold policy-based climate action, Mr. Hamra works with business leaders and policymakers across the political spectrum to advocate for a global, market-based policy lever to address the climate crisis with at-scale, systemic solutions. Greg leads the "ground-zero" chapter of Citizens' Climate Lobby - CCL Miami. Well-known on Capitol Hill, Citizens' Climate Lobby is a 100k member, 500 chapter climate advocacy organization dedicated to driving political will for a livable world through a revenue-neutral, steadily rising, refundable greenhouse gas emissions fee. Such a policy with global reach is critical to making collective and significant progress toward a low-carbon, livable future.

Prior to pivoting to climate solutions advocacy, Mr. Hamra focused on educating and empowering leaders to make informed policy and business decisions aligned with the triple-bottom-line (People, Planet, Profit). He has taught corporate sustainability, climate science literacy, carbon accounting and LEED green building principles to thousands worldwide.

Greg is an active member of CCL's Business Climate Leaders action team (BusinessClimateLeaders.com), the USGBC, The Climate Reality Project, RepublicEn.org - "Energy Optimists, Climate Realists" and Companies vs. Climate Change (solveclimatechange.com) where he serves as VP of Communications.

Engaging Stakeholders on Energy and Infrastructure Issues Panel

Gord Lambert



Gord Lambert
Senior Associate



Mr. Gordon Lambert retired from Suncor Energy on Jan 1 2015. He is currently the Suncor Sustainability Executive in Residence at the Ivey School of Business and has established GRL Collaboration for Sustainability as a consulting practice. He is an advisor and frequent speaker on energy, the environment and innovation. He was instrumental in the creation of Canada's Oil Sands Innovation Alliance (COSIA) and in 2014 was a speaker on Innovation and Collaboration at the World Economic Forum in Tianjin China.

With Suncor Energy Gord served as the VP Sustainability and in 2013 he was appointed Executive Advisor Sustainability and Innovation where he supported the CEO, senior executive team and the Board of Directors.

He has 36 years' experience in the energy sector including 17 years with Suncor, 2 years with TransAlta and 15 years with Imperial Oil.

He is a current Board member of Alberta Innovates. He also serves on the CSR Advisory Committee to Export Development Canada. He served in 2015 as one of 5 members of Alberta Climate Leadership Expert Panel to the Environment Minister and the Premier and in 2016 he Chaired the Alberta Climate Leadership Task Force on Technology and Innovation.

Engaging Stakeholders on Energy and Infrastructure Issues Panel

Doug Hartman



Doug Hartman

Manager, Governance, Permitting and Environmental Services



Douglas S. Hartman is Manager, Governance, Permitting and Environmental Services for FirstEnergy Corp. Doug is responsible for implementing fleet environmental programs that comply with laws and regulations pertaining to the Energy Delivery & Generation Fleet, including the management of the decommissioned facilities. He also plays a key advisory role regarding the sharing of fleet best practices and lessons learned relative to the environmental program.

Doug began his career in 1998 in FirstEnergy's Air Emissions Testing group. He has held a variety of environmental responsibilities including Continuous Emissions Monitoring (CEMS), Electrostatic Precipitator controls, and additional non- environmental roles at the Eastlake Power Plant. He led the comment process for the Cross-State Air Pollution Rule (CSAPR) and Mercury and Air Toxics Standards (MATS). He was responsible for managing and overseeing the decommissioning of numerous coal plant retirements and ongoing safety, environmental and security operations at those sites. His current responsibilities include management of company response plans, energy delivery distribution and transmission project permitting, along with air and water permitting associated with FirstEnergy's remaining generating facilities.

Doug earned his Bachelor of Science degree in environmental biology from Heidelberg College.

Prior to his current role, he served as vice president of the World Pollution Control Association (WPCA) and remains heavily involved in the Pollution Control Users Group (PCUG). He also served as a utility advisor for key industry groups, including the Electric Power Research Institute and the Utility Air Regulatory Group.

Energy Innovation as a Competitive Advantage

Chaired by Tim Lindsey



Tim Lindsey
Senior Associate



Since 1980, Dr. Tim Lindsey has helped organizations increase their competitiveness through improved sustainability performance in their processes, products, and systems. He is an accomplished program and project manager with experience in multiple sectors, including: mining, manufacturing, energy, biofuels, agriculture, food processing, chemical processing, transportation, and electronics.

Dr. Lindsey is an internationally recognized expert regarding the use of sustainability principles to drive innovation. He served as Caterpillar's first Global Director of Sustainability from 2012 to 2016 where he successfully championed the company's transformational change to recognize sustainability as their 5th core value.

During this transformation, he worked closely with various business units to implement sustainability principles throughout the corporate value chain. This included corporate roles (research, product development, human resources, accounting, strategy and risk) and operational functions (supply chain, manufacturing, quality, logistics, dealerships and customer operations).

Prior to his Caterpillar career, Dr. Lindsey spent 20 years at the University of Illinois Sustainable Technology Center, where he led their sustainability research, education and outreach efforts. In his roles there, he worked with hundreds of companies across multiple sectors to improve their sustainability performance. Prior to his work with the U of I, Dr. Lindsey was with Exxon for 7 years in Wyoming at one of the world's largest mining operations. He served Exxon in the roles of Reclamation Manager, Safety Manager, and Senior Project Manager where he supervised the activities of 40 contractors and over 1,000 personnel.

Dr. Lindsey has authored multiple publications on sustainable business innovation and in July, of 2017, his book titled "**Headwinds of Opportunity: A Compass for Sustainable Innovation**" was published by Routledge. Dr. Lindsey holds 3 U.S. patents regarding industrial fluids management and water purification. In January of 2016, he founded Highlander Innovation Inc., where he and his colleagues help businesses drive and implement more sustainable innovation and strategy.

He holds B.S. and M.S. degrees in Environmental Engineering from Southern Illinois University and a Ph.D. in Urban and Regional Planning from the University of Illinois.

Generating Power from Organic Waste

Mike Grichnik



Michael Grichnik

Emerging Technologies Program Leader Sustainability & Energy



Mike is the Emerging Technologies Program Leader for Energy & Sustainability at Caterpillar. As such, he is responsible for monitoring these technology spaces and for ensuring that the corporate technology strategy is in sync with ongoing developments which will affect product and market opportunities.

In his twenty year career at Caterpillar, Mike has worked in several areas, ranging from machine system design and development to engineering management for energy storage and autonomy components. As engineering manager, he engaged a supply base spanning four continents. Immediately preceding his current role, he was engineering manager for the Advanced Power Sources & Systems team, where Caterpillar's microgrid product was incubated.

Mike received his B.S. in Mechanical Engineering from Valparaiso University and his M.S. in Mechanical Engineering from the University of Illinois-Urbana Champaign. He is a member of the Society of Automotive Engineers and has served as a session organizer for the Sustainable Development Program Committee at multiple SAE World Congress events.

Innovation Benefits from the DOD's Focus on Energy Security and Energy Surety

Frank Miyagawa



Frank Miyagawa
Senior Program Manager

JACOBS

Frank Miyagawa PE CEM PMP is the Director of Federal Energy Programs at Jacobs and has over 27 years of federal engineering, construction and operations experience.

He leads Jacobs Federal Energy Management Practice Globally. He has managed over \$1B worth of energy, facility and infrastructure projects. He was the senior executive of a Joint Venture responsible for a \$300M single award Energy AE IDIQ Contract supporting Navy and USMC energy projects worldwide from 2011-2017 and responsible for delivery of over 150 task orders. He continues to lead the same Joint Venture for a 5-year, \$99.9M single award Energy AE IDIQ contract supporting Navy and USMC energy projects.

He has a BS in Civil Engineering from Iowa State University and a MS in Engineering Management from the University of Alabama-Huntsville. He has been at Jacobs 17 years and prior to that he served 10 years on active duty as an Air Force Civil Engineer Officer and then another 10 years as an Air Force Reserve member, retiring from the Air Force Reserves in 2011.

PowerSecure Overview: A View of Energy Services

Eric Dupont



Eric Dupont
Executive Vice President and Chief Commercial Officer



Eric Dupont is a 20 year veteran of the utility and energy services space with extensive experience in accounting, financial planning, mergers & acquisitions, structured finance and commercial contracting. Responsible for development, structuring and/or funding over \$1.5 billion in energy projects.

He led the Structured Finance group for Duke Energy's energy service division (1998-2001) and Ameresco energy services (2001-2004). He was Chief Financial Officer for a design build energy services company responsible for all aspects of financial reporting, treasury, planning and strategy (2004-2010). Later he became President of Lime Energy Asset Development which was responsible for engineering, designing, owning, operating and maintaining small power generation projects (2010-2013).

Eric joined PowerSecure in 2013 as the Vice President of Finance and was promoted in 2014 to Executive Vice President, Chief Financial Officer, Treasurer and Secretary for the business until 2017. He successfully led the sale of PowerSecure to Southern Company in 2016. Today, Eric leads our new ventures, project investments, commercial contracting and deal structuring initiatives where he holds responsibility for the performance of the investments made by PowerSecure.

Eric holds a BSBA in Accounting from Appalachian State University (1994) and a Masters of Tax from Denver University (1997).