



Virtual

4th Annual Advanced Energy Technology Forum

Thursday, September 22, 2022
9:00 am - 1:30 pm ET

Exploring Technological Innovation In The Energy Sector

Welcome To USEA's 4th Annual Advanced Energy Technology Forum

Each year, USEA's Advanced Energy Technology Forum explores technological innovation in the energy sector. The event focuses on research and development in the corporate and government sectors, including national labs and universities.

We are honored to have with us 20 panelists participating in four hour-long roundtable discussions. They will provide expert insight into advanced energy technologies, decarbonization initiatives, infrastructure projects, and more.



The United States Energy Association (USEA) is a nonprofit, apolitical, nonlobbying organization founded in 1924. USEA's mission has two pillars of equal importance. USEA serves as a resource, by convening energy stakeholders to share policy, scientific, and technological information to foster the advancement of the entire energy sector. Internationally, USEA promotes energy development by expanding access to safe, affordable, sustainable, and environmentally acceptable energy in partnership with the U.S. Government.

Comprised of more than 100 domestic and international organizations, USEA's members include government agencies, nonprofits, think tanks, educational institutions, and Fortune 500 companies encompassing every type of energy source. As an industry resource, USEA seeks to inform and promote a positive, effective dialogue on a path forward in energy policy and its implementation. USEA presents several flagship events per year and conducts a variety of webinars, briefings, and workshops. The Association provides a nonpartisan, unbiased platform for the expression of ideas, concerns, and solutions regarding all relevant energy issues.

USEA partners with the U.S. Agency for International Development (USAID), the U.S. Department of State, the U.S. Department of Energy (DOE), and other government entities to expand and improve energy access globally. USEA's team of international specialists implement projects worldwide, including building regulatory frameworks and sharing best practices to develop cleaner, more accessible, and efficient energy. Throughout its nearly 100-year history, USEA has worked across 104 countries on six continents. Its 30-person multinational staff speaks 14 unique languages.

Agenda

- 9:00 AM **Opening & Welcoming Remarks**
 Sheila Hollis, Acting Executive Director, USEA
 Vicky Bailey, Executive Chair, USEA
- 9:05 AM **Opening Keynote Speech** [Recorded]
 Jennifer Granholm, Secretary, U.S. Department of Energy
- 9:15 AM **Roundtable One: Research & Development With The National Labs**
 Moderator: Bill Hederman, Adjunct Professor, Energy Geopolitics, Maxwell School at Syracuse

 James Misewich, Associate Lab Director for Energy & Photon Sciences
 Brookhaven National Lab

 Jess Gehin, Associate Director, Nuclear Science & Technology
 Idaho National Lab

 John Wimer, Deputy Director, Science & Technology
 National Energy Technology Lab

 Peter Green, Deputy Lab Director & Chief Research Officer
 National Renewable Energy Lab
- 10:15 AM **Roundtable Two: Infrastructure With Association & Industry Leaders**
 Moderator: Mark Lauby, Senior Vice President & Chief Engineer, North American Electric Reliability Cooperation

 Doug True, Chief Nuclear Officer & Senior Vice President
 Nuclear Energy Institute

 Greg White, Executive Director
 National Association of Regulatory Utility Commissioners

 Kathryn Clay, President
 International Liquid Terminals Association

 Rob Gramlich, Founder & President
 Grid Strategies LLC

Agenda

11:15 AM

Roundtable Three: Academic Innovations With The Universities

Moderator: Nathan Johnson, Director, LEAPS, Arizona State University

Ted Kury, Director, Energy Studies
University of Florida

Tom Richard, Professor of Agricultural & Biological Engineering
Pennsylvania State University

Tracy Hester, Instructional Associate Professor of Law
University of Houston

Robert Armstrong, Director, MIT Energy Initiative
Massachusetts Institute of Technology

12:15 PM

Roundtable Four: Corporate Insight With Business Leaders

Moderator: Eric Dresselhuys, Chief Executive Officer, ESS Inc.

Jonas Lee, Chief Commercial Officer
CarbonCapture Inc.

William Swetra, Senior Policy Advisor
Oxy

Lee Stockwell, General Manager, US Carbon Capture, Utilization & Storage
Shell

Carol Lane, Vice President, Government Affairs
X-Energy

1:15 PM

Closing Remarks

Sheila Hollis, Acting Executive Director, USEA

Vicky Bailey, Executive Chair, USEA

Speakers - in order of appearance



Sheila Hollis

Acting Executive Director, United States Energy Association

Sheila Hollis is Of Counsel with and Chair of the Duane Morris, LLP Washington office. Her career spans energy policy and transactional and regulatory law worldwide. She was founding Director of the Office of Enforcement of the Federal Energy Regulatory Commission and served as Professorial Lecturer in Energy Law for 20 years at George Washington University Law School. Sheila was the first woman President of the Energy Bar Association, chaired the ABA's Section of Environment, Energy and Resources and serves as its delegate in the ABA House. She was named one of Washington's Top 100 Lawyers by "Super Lawyers". Sheila was recognized by the ABA as a "Trailblazer" for women in law and listed in "50 Key Women in Energy Worldwide". In 2011 she received Platt's Global Energy Award for Lifetime Achievement and the "2018 Legacy Award" by the Petroleum Economist. A Life Fellow of the American Law Institute and Honorary North American member of the Commercial Bar of England and Wales, she is a member of the American College Environmental Lawyers. Sheila is a Board Member of the American Friends of the Royal Society. She was elected Chairman of the Board of Directors of the United States Energy Association in May 2019. A Colorado native, Sheila is a graduate of the University of Colorado, cum laude in general studies and with honors in journalism and J.D. from the University of Denver College of Law.



Vicky Bailey

Executive Chairman, United States Energy Association

Vicky is Executive Chair of the United States Energy Association (USEA). Previously, she served as Chairman of the USEA Board of Directors from 2013-2019 and was the longest-serving chair as well as the first female and African American. Ms. Bailey has previously served as a Federal Energy Regulatory Commission (FERC) commissioner and Assistant Secretary for Domestic Policy and International Affairs at the U.S. Department of Energy (DOE). Bailey is the founder of Anderson Stratton International, LLC, and previously served as President and CEO of PSI Energy, Inc., Indiana's largest electric utility, now Duke Indiana. She currently serves on the Board of Directors of the Occidental Petroleum Corporation and Battelle Memorial Institute, and chairs the governance committee. In addition, she serves on the boards of Cheniere Energy, Equitrans Mid-stream Corporation, and PNM Resources.



Jennifer M. Granholm

Secretary, U.S. Department of Energy

Jennifer M. Granholm was sworn in as the 16th Secretary of Energy on February 25, 2021. Secretary Granholm is leading DOE's work to advance the cutting-edge clean energy technologies that will help America achieve President Biden's goal of net-zero carbon emissions by 2050 while creating millions of good-paying union clean energy jobs and building an equitable economy. Secretary Granholm is also overseeing DOE's core missions of promoting American leadership in scientific discovery, maintaining the nuclear deterrent and reducing nuclear danger, and remediating the environmental harms caused by legacy defense programs. Prior to her nomination as Secretary of Energy, Jennifer Granholm was elected Governor of Michigan, serving two terms from 2003 to 2011. After two terms as governor, Jennifer Granholm joined the faculty of the University of California, Berkeley as a Distinguished Professor of Practice in the Goldman School of Public Policy, focusing on the intersection of law, clean energy, manufacturing, policy, and industry. She also served as an advisor to the Clean Energy Program of the Pew Charitable Trusts. Secretary Granholm, an immigrant from Canada, is an honors graduate of both the University of California, Berkeley and Harvard Law School. She and her husband, Daniel G. Mulhern, have three children.

Speakers



Bill Hederman

Adjunct Professor, Energy Geopolitics, Maxwell School at Syracuse

Bill Hederman is a Senior Fellow at the University of Pennsylvania's Kleinman Center for Energy Policy. He teaches the core course: Introduction to Energy Policy, as well as being part of the Wharton Executive Education Faculty for the "Futures of Utilities" program. In addition, he advises 3 startup firms, two in demand-side management and one in advanced encryption technology. He also currently serves as a Senior Scholar at the Center for Strategic and International Studies, where he is teaching Geopolitics of Energy for the joint CSIS-Maxwell School masters program. A retired Deloitte Director, Bill is now an independent senior adviser at Deloitte and Touche. He served as senior advisor to U.S. Secretary of Energy Ernest Moniz, providing leadership on Department of Energy (DOE) missions to Ukraine, the Baltics, and Germany. In this position, he was also the chief architect for the analytic framework developed for DOE's groundbreaking Quadrennial Energy Review. In the corporate sector, he was vice president for Business Development and Strategic Initiatives at Columbia Transmission Companies on the management team that brought Columbia out of bankruptcy. During the Enron and California crises, he joined the Federal Energy Regulatory Commission (FERC) and formed the Office of Market Oversight and Investigations, which has been credited with playing a major role in the restoration of confidence in electricity and natural gas regulatory oversight. Hederman holds engineering degrees from the Massachusetts Institute of Technology and the University of Notre Dame, and a professional degree (M.P.P.) from the University of California at Berkeley.



James Misewich

Associate Laboratory Director for Energy & Photon Sciences, Brookhaven National Lab

James Misewich joined Brookhaven National Laboratory in 2002 where he is currently the Associate Laboratory Director for Energy and Photon Sciences. In this role he has responsibility for a broad portfolio of energy R&D spanning the spectrum from discovery science to deployment of technologies. The Energy and Photon Sciences Directorate includes departments in Chemistry, Condensed Matter Physics and Materials Science, Grid/Energy Efficiency and Energy Storage and two DOE national user facilities: the National Synchrotron Light Source II (NSLS-II), and the Center for Functional Nanomaterials (CFN). He also has represented Brookhaven National Laboratory on the New York State Smart Grid Consortium and the New York Battery and Energy Storage Technology Consortium. Misewich is also a Professor of Physics at Stony Brook University where he teaches and has research collaborations and where he works with the SBU-BNL Energy Frontier Research Center on Energy Storage, the Center for Mesoscale Transport Properties. His current research is focused on strongly correlated electron physics.



Jess Gehin

Associate Director, Nuclear Science & Technology, Idaho National Lab

Jess Gehin became Associate Laboratory Director for INL's Nuclear Science & Technology (NS&T) Directorate in March 2021 after serving as chief scientist for the directorate since 2018. Over his 28-year career, he has built national strategies and priorities for nuclear energy, led complex projects and organizations, and developed strong relationships with senior leaders within INL, DOE and federal sponsors, and other laboratories, companies, and universities. In support of the DOE Office of Nuclear Energy, he served as the national technical director for the DOE Microreactor Program. He expanded NS&T's strategic direction and helped develop and establish key projects to build advanced reactors at INL, such as the Department of Defense's demonstration microreactor Project Pele, and the Microreactor Applications Research Validation and Evaluation (MARVEL) Project. Previously, he held research and leadership positions at Oak Ridge National Laboratory (ORNL) in nuclear reactor core physics, reactor core and system technologies, reactor modeling and simulation, and fuel cycle reactor applications. While at ORNL, he served as director of the Consortium for Advanced Simulation of Light Water Reactors. He earned a bachelor's degree in nuclear engineering from Kansas State University, and master's and doctoral degrees from the Massachusetts Institute of Technology.

Speakers



John Wimer

Deputy Director, Science & Technology, National Energy Technology Lab

Mr. Wimer has worked at the U.S. Department of Energy's National Energy Technology Laboratory (DOE/NETL) for thirty-one years. For the past eight years, he has supervised NETL's R&D Program Planning, an organizational element under the leadership of NETL's Chief Research Officer. In FY22, this encompassed twelve technology managers and twenty-two R&D programs spanning carbon management, mineral sustainability and resource technologies, with a total annual budget exceeding \$575 million. In addition, starting in FY22, NETL technology managers helped manage the implementation of RD&D funded with approximately \$10 billion provided under the 2021 Infrastructure Investment and Jobs Act. From July 2021 to present, Mr. Wimer has also served as NETL's acting Chief Research Officer. Mr. Wimer earned M.S. and B.S. degrees in Mechanical Engineering from Carnegie Mellon University and West Virginia University, respectively, and previously held the Certified Energy Manager credential from the Association of Energy Engineers.



Peter Green

Deputy Lab Director, Chief Research Officer, National Renewable Energy Lab

Peter Green is responsible for NREL's science and research goals, strengthening the laboratory's core capabilities, and enhancing NREL's research portfolio. In addition, he oversees the Laboratory Directed Research and Development Program, NREL-university interactions, and the postdoctoral research program. Prior to his appointment at NREL, Green spent 20 years in academia and 11 years at Sandia National Laboratories, where his professional career began in 1985. He moved from Sandia to The University of Texas in 1996, where he became the B.F. Goodrich Endowed Professor of Materials Engineering and a professor of chemical engineering. In 2005, he was recruited to the University of Michigan to become chair of the Department of Materials Science and Engineering. He served as director of a DOE Energy Frontiers Research Center: Center for Solar and Thermal Energy Conversion. Green's prior leadership experience includes serving as president of the Materials Research Society (MRS). He has been a member of advisory boards for the national academies, national laboratories, and universities. He holds bachelor's and master's degrees in physics from Hunter College and a master's and doctorate in materials science and engineering from Cornell University.



Mark Lauby

Senior Vice President & Chief Engineer, North American Electric Reliability Cooperation

Mr. Lauby joined NERC in January 2007 and has held a number of positions. In 2012, Mr. Lauby was elected to the North American Energy Standards Board and was appointed to the Department of Energy's Electric Advisory Committee by the Secretary of Energy in 2014. Mr. Lauby has served as chair and is a life member of the International Electricity Research Exchange and served as chair of a number of IEEE working groups. From 1999 to 2007, Mr. Lauby was an appointed member of the Board of Excellent Energy International Co., LTD, an energy service company based in Thailand. In 2014, Mr. Lauby was awarded the IEEE Power and Energy Society's Roy Billinton Power System Reliability Award. In 2020, the National Academy of Engineering (NAE) elected Mr. Lauby as a member, citing his development and application of techniques for electric grid reliability analysis. He is also a member of the IEEE Power & Energy Society (PES) Executive Advisory Committee. Prior to joining NERC, Mr. Lauby worked for the Electric Power Research Institute (EPRI) for 20 years, holding a number of senior positions. He earned his bachelor's and master's degrees in Electrical Engineering from the University of Minnesota. In addition, Mr. Lauby attended the London Business School Accelerated Development Program as well as the Executive Leadership Program at Harvard Business School.

Speakers



Doug True

Chief Nuclear Officer & Senior Vice President, Nuclear Energy Institute

Doug True is NEI's Chief Nuclear Officer and Senior Vice President of generation and suppliers. True is a veteran of the nuclear industry with more than 30 years of experience in nuclear regulatory policy and implementation, playing a substantial role in U.S. policies and regulatory activities ranging from the industry response to challenges like Fukushima and 9/11 to major contributions to the formation and implementation of risk-informed regulation. Prior to joining NEI, he served as executive vice president of the Power Services Group at Jensen Hughes Inc. In this position, he was responsible for one of the largest specialty engineering organizations in the nuclear industry covering a broad range of analysis, testing, design and research consulting services. True has served on the NEI board of directors since 2016, and has been a contributor to NEI, Electric Power Research Institute, Institute of Nuclear Power Operations and federal government guidance on a broad spectrum of technical and regulatory issues. True earned a Bachelor of Science in chemical engineering from the University of California, Berkeley.



Greg White

Executive Director, National Association of Regulatory Utility Commissioners

Greg R. White joined the National Association of Regulatory Utility Commissioners in December 2015 as Executive Director. He is responsible for the overall management of the Association and directs the implementation of programs and policies of the Association, while promoting the Association's interests in Washington. Greg served as a Commissioner on the Michigan Public Service Commission (2009 – 2015) and has more than 30 years' experience in energy and telecommunications policy, utility regulation, government affairs, and public administration. Greg has provided expert testimony before the U.S. Congress, Federal Energy Regulatory Commission, and Nuclear Regulatory Commission on matters such as energy markets, transmission policy, and nuclear waste management. He holds a Master of Public Administration from Grand Valley State University and a Bachelor of Science from Michigan State University.



Kathryn Clay

President, International Liquid Terminals Association

Kathryn Clay is the president of the International Liquid Terminals Association (ILTA), the only U.S. based trade association to exclusively represent the tanks and terminals industry. Since 2018, Kathryn has worked to drive thought leadership in the industry, supporting ILTA members in advocating on behalf of the terminal sector in Washington D.C., as well as providing continued opportunities for networking and development for tank and terminal professionals. Dr. Clay came to ILTA from the American Gas Association, where she served as vice president of policy. She also served concurrently as the executive director of the American Gas Foundation since joining AGA in 2011. Her initial position at AGA was executive director of the Drive Natural Gas Initiative, a joint project of natural gas utilities and gas producers. Prior to joining AGA, Clay was vice president for research and technology policy at the Alliance of Automobile Manufacturers. She was a member of the professional staff of the U.S. Senate Committee on Energy and Natural Resources from 2005 to 2008. She also served on the professional staff of the Energy Subcommittee of the House Committee on Science from 2003 to 2005. Kathryn holds a Ph.D. in Applied Physics and an M.S. degree in Electrical Engineering, both from the University of Michigan, Ann Arbor.

Speakers



Rob Gramlich

Founder & President, Grid Strategies LLC

Rob Gramlich is Founder and President of Grid Strategies LLC where he provides economic policy analysis for clients on electric transmission and power markets in pursuit of low-cost de-carbonization. He is co-founder of Americans for a Clean Energy Grid, the WATT Coalition, and the Future Power Markets Forum. Rob oversaw transmission and power market policy for the American Wind Energy Association from 2005 through 2016 as Senior Vice President for Government and Public Affairs, Interim CEO, and Policy Director. He was Economic Advisor to FERC Chairman Pat Wood III from 2001 to 2005, Senior Economist at PJM Interconnection in 1999 and 2000, Senior Associate at PG&E National Energy Group in 2000-2001, and an analyst at the FERC Office of Economic Policy, ICF Resources, the World Resources Institute, and the Lawrence Berkeley National Laboratory in the 1990s. He testifies frequently before the US Congress, US Federal Energy Regulatory Commission (FERC), US Department of Energy, and state legislatures and regulatory commissions. He has served on advisory committees for the U.S. Department of Energy and the North American Energy Standards Board, on boards of a number of regional clean energy organizations.



Nathan Johnson

Director, LEAPS, Arizona State University

Dr. Nathan Johnson is an Associate Professor in The Polytechnic School of the Ira A. Fulton Schools of Engineering at Arizona State University. He is also Director of the Laboratory for Energy And Power Solutions that provides technical and business solutions to facilitate the global transition to a resilient low-carbon economy. Research to commercialization efforts emphasize grid modernization, microgrids, off-grid solutions, critical infrastructure, and workforce development. Dr. Johnson also leads ASU's Grid Modernization and Microgrid Test Bed. Dr. Johnson builds public-private partnerships in the US and internationally to develop and evaluate technologies leading to pilot demonstration and scale. This work is paired with innovations in business models and regulation to benefit all stakeholders, and value propositions that increase energy access, energy security, and economic development through decarbonization and cost savings. Before joining ASU, Dr. Johnson completed product development and business development across 15 countries. His globally focused work continues in sub-Saharan Africa, Middle East, and East Asia.

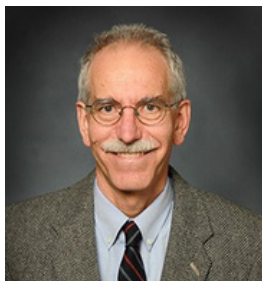


Ted Kury

Director, Energy Studies, University of Florida

Ted Kury is Director of Energy Studies for the Public Utility Research Center (PURC) at the University of Florida. He is responsible for promoting research and outreach activities in energy regulation and policy. He develops research strategies that inform the academic community and practitioners on emerging issues and best practices and serves as an expert resource for regulatory professionals, policymakers, and service providers in Florida and around the world. He teaches in PURC's flagship two week program on utility regulation and strategy, and, with Sanford Berg, PURC's on-line course in Regulatory Impact Analysis. He also conducts PURC's one week advanced course on energy pricing and customized training programs around the world. He has been featured on CNN, Fox News, NPR, and the Wall Street Journal. He holds a Ph.D. in Economics from the University of Florida.

Speakers



Tom Richard

Professor of Agricultural & Biological Engineering, Pennsylvania State University

Tom Richard is a professor of agricultural and biological engineering and the director of Pennsylvania State University's Institutes for Energy and the Environment, where he coordinates nearly 500 faculty engaged in innovative interdisciplinary research and education on energy, water, climate, ecosystems, urban systems, and environmental health. His research and teaching focus on applications of fundamental engineering science to microbial and agricultural systems, developing market-based strategies for a more sustainable agriculture and the emerging bio-based economy. Richard is the author or co-author of over 150 publications, fellow of ASABE, and fellow and former president of the Institute of Biological Engineering.



Tracy Hester

Instructional Associate Professor of Law, University of Houston

Professor Hester teaches environmental law at the University of Houston Law Center. His research focuses on the innovative application of environmental laws to emerging technologies and unanticipated risks, including climate engineering, deep decarbonization (particularly in energy production), nanotechnologies, artificial intelligence, genetic modification, and advanced wind, solar, and other renewable power systems. Prior to joining the University of Houston Law Center, Prof. Hester served as a partner in Bracewell LLP for sixteen years and led that firm's Houston office's environmental group. In Fall 2019, Prof. Hester taught the first U.S. law school course on Climate Intervention Law, which focused on emerging climate engineering technologies and legal challenges. He also teaches classes on Environmental Law, Natural Resource Damages Liability, Environmental Law in Oil & Gas, Climate Change Liability and Litigation, Environmental Enforcement, Emerging Technologies and Environmental Law, and Advanced Hazardous Waste Law. He originated and teaches an innovative Environmental Practicum that matches students with multiple leading environmental attorneys to work on practical projects and to develop innovative environmental initiatives. He also teaches the first year course on Statutory Interpretation and Regulatory Practice. Hester was inducted into the American College of Environmental Lawyers in 2015 (and named a Regent in 2018), elected as a member of the American Law Institute in 2004, and named the Top Environmental Lawyer in Houston in 2011 by Best Lawyers of America. He was also elected to the Council of the American Bar Association's Section on Environment, Energy and Resources (SEER) in 2011 through 2014, and he currently chairs SEER's Climate Change, Sustainable Development and Ecological Services Committee. Prof. Hester is the past chair of SEER's Special Committee on Congressional Relations as well as its Environmental Enforcement and Crimes Committee.



Robert Armstrong

Director, MIT Energy Initiative, Massachusetts Institute of Technology

Professor Robert C. Armstrong directs the MIT Energy Initiative, an Institute-wide effort at MIT linking science, technology, and policy to transform the world's energy systems. A member of the MIT faculty since 1973, Armstrong served as head of the Department of Chemical Engineering from 1996 to 2007. His research is focused on pathways to a low-carbon energy future. Armstrong has been elected into the American Academy of Arts and Sciences (2020) and the National Academy of Engineering (2008). He received the Founders Award for Outstanding Contributions to the Field of Chemical Engineering (2020), Warren K. Lewis Award (2006), and the Professional Progress Award (1992), all from the American Institute of Chemical Engineers. He also received the 2006 Bingham Medal from the Society of Rheology, which is devoted to the study of the science of deformation and flow of matter. Armstrong was a member of MIT's Future of Natural Gas and Future of Solar Energy study groups. He advised the teams that developed MITEI's reports, The Future of Nuclear Energy in a Carbon-Constrained World (2018) and Insights into Future Mobility (2019), and chaired the new MITEI study, The Future of Energy Storage (2022). He co-edited Game Changers: Energy on the Move with former U.S. Secretary of State George P. Shultz.

Speakers



Eric Dresselhuys

Chief Executive Officer, ESS Inc.

Mr. Dresselhuys is the CEO of ESS Inc. and joined the company in March 2021. Mr. Dresselhuys has over 25 years of leadership experience and is an accomplished technology and market development pioneer with a demonstrated background in growing both public and private companies. Prior to joining ESS Inc., Mr. Dresselhuys founded Silver Spring Networks, which became the leading provider of smart grid networking and data solutions, leading to an IPO in 2013 (NYSE: SSNI) and an eventual sale to Itron (NASDAQ: ITRI). Other experience includes a variety of leadership positions at Procter and Gamble and Smart Energy Water, where he helped build up the companies on a global scale. As an active member of the energy industry, he currently serves as the Chairman of Enian, LTD. in London and on the board of directors of Autogrid, Inc. He is also a frequent speaker at industry events and author on issues related to the energy transition. Mr. Dresselhuys holds a B.S. in Economics from the University of Wisconsin and earned an Executive Certificate from the Sloan School at MIT.



Jonas Lee

Chief Commercial Officer, CarbonCapture Inc.

Jonas Lee leads the commercial team, responsible for forming partnerships, sales & marketing activities, and deploying projects. His background is in the commercialization of early-stage technologies, having been on the founding team of pioneering companies in a variety of industries, including genomics, digital marketing, AI-based auditing, and high-performance computing. Jonas received his MBA from Harvard Business School and bachelor's degree from Brandeis University.



William Swetra

Senior Policy Advisor, Oxy

William Swetra is a Senior Policy Advisor at Oxy Low Carbon Ventures, LLC, a wholly owned subsidiary of Oxy – an international energy and chemical company. Mr. Swetra began his career at Oxy in 2014 in the Government Relations department and joined Oxy Low Carbon Ventures in 2018. Oxy Low Carbon Ventures is developing projects to capture and remove CO2 emissions from both the atmosphere and industrial sources that can then be used to create low-carbon products or retire carbon permanently. In his current role, William focuses on carbon capture, removal, and storage policy and regulation at both the state and federal levels to incentivize the responsible deployment of carbon management and removal technologies. Before joining Oxy, Mr. Swetra worked on Capitol Hill for Rep. Kerry Bentivolio (R-MI) and the Majority Ways and Means Committee. Mr. Swetra holds a Bachelor of Arts in Political Science from James Madison University and a Master of Arts in Public Policy from Liberty University.

Speakers



Lee Stockwell

General Manager, United States Carbon Capture, Utilization and Storage, Shell

Lee Stockwell is General Manager responsible for the development and execution of Shell's Carbon Capture, Utilization and Storage business in the US. Joining Shell in 2001, Lee brings over 20 years of experience in the Energy Industry. Over his career, Lee has held engineering and leadership roles in Exploration, Development, Operations, Safety & Environment and R&D across a variety of lines of business in multiple countries. Lee received a Bachelor's in Petroleum Engineering from Louisiana State University. In 2007, he earned his MBA from Tulane University, graduating with distinction and earning the Allen R. Vorholt Memorial Leadership Award for servant leadership.



Carol Lane

Vice President, Government Affairs, X-Energy

Carol Lane leads government relations for X-energy, working with Congress and the executive branch to advance X-energy's overall business goals and objectives within the confines of U.S. national policy objectives. Before joining X-energy in 2015, Carol was Vice President of Washington Operations and Vice President of Civil and Commercial Space for Ball Aerospace & Technologies, Corp. Ms. Lane has more than 20 years of experience in government and private sector working on energy, civilian space, and national security policy. Prior to joining Ball Aerospace, she worked for Lockheed Martin and TRW (Northrop Grumman) in both business and policy roles. Her legislative branch experience includes serving as staff director for the Science, Technology and Space Subcommittee of the U.S. Senate Committee on Commerce, Science and Transportation and as a staff member on the Senate Budget Committee, focusing on space and energy issues. Carol served in the executive branch as a presidential appointee in the Reagan administration as the Director of the Office of Commercial Space Transportation in the US Department of Transportation. Carol is a graduate of George Washington University. She is currently the President of the American Astronautical Society (AAS) and is former Chairman of the Board for Women in Aerospace, former Vice President of Development for ARCS (STEM education), and a mentor for the Brooke Owens Foundation.