



NASEO 2020 Energy Policy Outlook Conference and Innovation Summit

Energy Resilience, Infrastructure and Innovation

Tuesday, February 4 – Friday, February 7, 2020

The Fairmont Hotel • 2401 M Street NW, Washington, DC 20037

Pre-Conference Events

Tuesday, February 4, 2020 – Preconference Events

8:00 a.m. – 5:00 p.m. *(Ballroom Foyer, Ballroom Level)*

Conference Registration

9:30 a.m. – 10:30 a.m. *(Ballroom II, Ballroom Level)*

U.S. Department of Energy’s U.S. State Energy Program Competitive Meeting *(State and Territory Energy Offices by Invitation Only)*

Hosted by the U.S. Department of Energy’s Weatherization and Intergovernmental Programs Office, this meeting convenes states awarded under the U.S. State Energy Program competitive process.

Presenter:

Amy Kidd, Team Lead, Weatherization and Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

10:30 a.m. – 11:00 a.m. *(Ballroom II, Ballroom Level)*

U.S. State Energy Program Market Title Project Update and PAGE Demonstration *(State and Territory Energy Offices Only)*

The U.S. State Energy Program (SEP) Market Title Project aims to achieve consistency in reporting and sharing the impacts of SEP with stakeholders. In the past year, 12 State Energy Offices and NASEO, with technical assistance from the U.S. Department of Energy, have worked to analyze and consolidate the reporting process and engaged administrators to build these changes into the “PAGE” reporting system. This session provides an update and demonstration of the proposed updates.

Presenters:

Molly Cripps, Director, Office of Energy Programs, Tennessee Department of Environment and Conservation; Treasurer, NASEO Board of Directors

Amy Royden-Bloom, Manager, State Energy Program, Weatherization and Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Greg Davoren, Supervisory Team Lead, Weatherization and Intergovernmental Programs Office,
Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Alexa Voytek, Energy Programs Administrator, Office of Energy Programs, Tennessee
Department of Environment and Conservation

11:00 a.m. – 1:00 p.m.

Concurrent Roundtables (*Open to All Registered NASEO State, Territory, and Affiliate Members*)

- **NASEO Energy Equity Task Force: Electrification and its Impacts on Underserved Communities**
(*Roosevelt Room, Ballroom Level*) (*Boxed lunch will be served to attendees*)

Strategic electrification policies may offer substantial environmental and economic benefits for some customers. However, policymakers must pay careful attention to the challenges and costs that they present for disadvantaged and minority households and frontline communities. This roundtable covers the implications of electrification and offer strategies on how states can bring minority and frontline voices into the conversation.

Moderator:

Michael Furze, Assistant Director, Energy Division, Washington State Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors

Presenters:

Maggie Molina, Senior Director for Policy, American Council for an Energy-Efficient Economy

Dr. Shelley Francis, Co-Founder, EVNoire Mobility Intelligence Group

Dr. Jeremy Richardson, Senior Energy Analyst, Climate and Energy Program, Union of Concerned Scientists

- **NASEO Energy Security Committee: Getting the Most Out of Your In-State Emergency Exercise: Design, Execution, and Best Practices** (*Longworth Room, Ballroom Level*)

This hands-on facilitated discussion engages participants to design effective and impactful energy emergency exercises by examining a range of topics, including scenario design, stakeholder engagement, exercise documentation, success metrics, and outcome implementation and tracking.

Moderators:

Ben Bolton, Energy Programs Administrator, Office of Energy Programs, Tennessee Department of Environment and Conservation; Co-Chair, NASEO Energy Security Committee

Megan Levy, Local Energy Programs Manager, Office of Energy Innovation, Wisconsin Public Service Commission; Co-Chair, NASEO Energy Security Committee

Presenters:

Kate Marks, Director, Preparedness and Exercises, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

Brian Marko, Program Manager, Energy Sector Exercises, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

1:00 p.m. – 2:30 p.m.

Concurrent Roundtables (*Open to All Registered NASEO State, Territory, and Affiliate Members*)

- **NASEO Buildings Committee: Will 2020 Bring Better Visibility into How and When Buildings Consume Energy?** (*Roosevelt Room, Ballroom Level*)

This session includes presentations on ENERGY STAR for buildings and plants, grid-interactive buildings and opportunities in energy performance contracting, and an update from NASEO staff on program priorities in 2020. State Energy Offices are invited to provide feedback on the priorities outlined in the session.

Moderator:

Kaci Radcliffe, Energy Analyst, Oregon Department of Energy; Co-Chair, NASEO Buildings Committee

Presenters:

Katy Hatcher, ENERGY STAR National Manager, Public Sector, Climate Protection Partnerships Division, U.S. Environmental Protection Agency

Cliff Majersik, Director of Market Transformation, Institute for Market Transformation

Ken Sandler, High-Performance Building Advisor, Office of Federal High-Performance Buildings, U.S. General Services Administration

Laura Van Wie McGrory, Vice President, Strategic Initiatives, Alliance to Save Energy

- **NASEO Electricity Committee: New Frontiers in Distribution System Planning – State Energy Offices’ Opportunities and Impacts** (*Ballroom II, Ballroom Level*)

This Electricity Committee discussion examines new challenges and opportunities in distribution system planning, including energy storage, microgrids, and states’ efforts to achieve significant clean energy goals. States are invited to provide updates as well as inform the work of the Electricity Committee going forward.

Moderators:

Chris Yunker, Energy Systems and Planning Branch Manager, Hawaii State Energy Office; Co-Chair, NASEO Electricity Committee

Brooke Tucker, Managing Director, Utah Governor's Office of Energy Development; Co-Chair, NASEO Electricity Committee

Deana Dennis, Senior Manager, External and Government Affairs, Electric Power Research Institute; Affiliate Co-Chair, NASEO Electricity Committee

Presenters:

Kelly Speakes-Backman, Chief Executive Officer, U.S. Energy Storage Association

Dan Ton, Program Manager, Smart Grid Research and Development, Office of Electricity, U.S. Department of Energy

Jocelyn Durkay, Policy Analyst, Colorado Energy Office

Joseph Paladino, Senior Advisor, Transmission Permitting and Technical Assistance Division, Office of Electricity, U.S. Department of Energy

2:45 p.m. – 4:00 p.m. (*Ballroom II, Ballroom Level*)

NASEO Board of Directors Meeting (*Open to NASEO State, Territory, and Affiliate Members*)

NASEO's Board of Directors Meeting covers programmatic and administrative updates of the organization, as well as information on federal policy positions, Congressional and Administration actions, budget, and appropriations. All NASEO Members are encouraged to attend.

Moderator:

Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors

4:15 p.m. – 5:30 p.m.

NASEO Concurrent Regional Meetings (*Open to NASEO State, Territory, and Affiliate Members*)

The NASEO regional meetings provide an opportunity for states to meet in-person with their colleagues, discuss program and policy implementation, and share lessons learned.

- **NASEO Southeast Regional Meeting** (*Ballroom II, Ballroom Level*)
 - Kelley Smith Burk, Director, Office of Energy, Florida Department of Agriculture and Consumer Services; Member, NASEO Board of Directors
- **NASEO Mid-Atlantic Meeting** (*Dumbarton Room, Third Floor*)
 - David Althoff, Director, Energy Programs Office, Pennsylvania Department of Environmental Protection; Member, NASEO Board of Directors
 - Dr. Mary Beth Tung, Director, Maryland Energy Administration; Member, NASEO Board of Directors
- **NASEO Northeast Regional Meeting** (*Lindens Room, Third Floor*)
 - Dan Burgess, Director, Maine Governor's Energy Office; Member, NASEO Board of Directors
- **NASEO Midwest Regional Meeting** (*Longworth Room, Ballroom Level*)
 - Michelle Gransee, State Energy Office Director, Energy Division, Minnesota Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors
 - Chad Kruse, Manager, Office of Energy, Illinois Environmental Protection Agency; Member, NASEO Board of Directors
- **NASEO Central Regional Meeting** (*Decatur Room, Ballroom Level*)
 - Jason Lanclos, Director, Technology Assessment Division, Louisiana Department of Natural Resources; Member, NASEO Board of Directors

- **NASEO Western Regional Meeting** (*Roosevelt Room, Ballroom Level*)
 - Michael Furze, Assistant Director, Energy Division, Washington State Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors

5:45 p.m. – 6:45 p.m. (*Colonnade Room, Lobby Level*)

Welcome Reception



NASEO 2020 Energy Policy Outlook Conference and Innovation Summit

Energy Resilience, Infrastructure and Innovation

Tuesday, February 4 – Friday, February 7, 2020

The Fairmont Hotel • 2401 M Street NW, Washington, DC 20037

Wednesday, February 5, 2020

7:00 a.m. – 8:00 a.m. (*Ballroom Foyer, Ballroom Level*)

Continental Breakfast

8:00 a.m. – 8:15 a.m. (*Ballroom II, Ballroom Level*)

Welcome and Opening Remarks

The opening session includes remarks from NASEO's Board leadership and a review of conference themes.

Presenters:

David Terry, Executive Director, NASEO

Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors

8:15 a.m. – 9:15 a.m. (*Ballroom II, Ballroom Level*)

State Energy Leadership: Outlooks for Resilience, Infrastructure, and Innovation

The U.S. energy landscape – policy, programs, markets – is evolving rapidly, and State Energy Directors continue their aggressive leadership roles in seizing energy and economic development opportunities. In this session, a few of NASEO's state leaders share the outlook for energy markets, technologies, and priorities in their states.

Moderator:

Robert Jackson, Director, Energy Office, Michigan Department of Environment, Great Lakes, and Energy; Past Chair, NASEO Board of Directors

Presenters:

Dr. Will Toor, Director, Colorado Energy Office

Sushma Masemore, Deputy Assistant Secretary for the Environment and State Energy Director,
Division of Energy, Mineral, and Land Resources, North Carolina Department of Environmental
Quality
Scott Glenn, Chief Energy Officer, Hawaii State Energy Office

9:15 a.m. – 9:45 a.m. (*Ballroom II, Ballroom Level*)

The U.S. Department of Energy’s Office of Electricity Imperatives: Transformational Energy Storage, Mission Critical Grid Security, and Energy System Resilience

Increasing the resilience of the electricity system, as one of the most critical infrastructure assets in the nation, is a top priority of the U.S. Department of Energy’s Office of Electricity. Join Assistant Secretary Bruce Walker to learn about strategies for enhancing mission-critical grid security and innovation, including through the recently announced Energy Storage Grand Challenge, the North American Energy Resiliency Model, and opportunities to secure Defense-critical energy infrastructure.

Moderator:

Jason Lanclos, Director, Technology Assessment Division, Louisiana Department of Natural Resources; Member, NASEO Board of Directors

Presenter:

The Honorable Bruce Walker, Assistant Secretary, Office of Electricity, U.S. Department of Energy

9:45 a.m. - 10:30 a.m. (*Ballroom II, Ballroom Level*)

Federal Energy Regulatory Commission and State Energy Policy: Emerging Issues and Implications

Recent Federal Energy Regulatory Commission decisions – such as the December 2019 order to PJM to revise the rules for its wholesale electricity market – have a significant impact on state energy policy, continuing to blur the “bright line” between federal and state regulation. Hear Commissioner Richard Glick discuss recent developments and emerging issues at the Commission and the potential implications for states.

Moderator:

Dr. Mary Beth Tung, Director, Maryland Energy Administration; Member, NASEO Board of Directors

Presenter:

The Honorable Richard Glick, Commissioner, Federal Energy Regulatory Commission

10:30 a.m. – 10:45 a.m. (*Ballroom Foyer, Ballroom Level*)

Networking Break

10:45 a.m. – 11:30 a.m. (*Ballroom II, Ballroom Level*)

Energy, Economic, and Climate Programs in the Field: Advancing Rural Development and State Energy Goals through Agriculture

An increasing number of states are looking to rural communities and the agricultural sector to advance economic development, energy independence and resiliency, and climate change mitigation goals. This comes at a time when extreme weather and natural disasters are impacting rural communities and

agricultural operations with greater frequency and intensity, creating uncertainty and new challenges. This panel will explore tools and best practices to help states understand these changes and support adaptation in rural communities, as well as opportunities to leverage agricultural operations to advance state economic development and climate goals.

Moderator:

Megan Meadows, Deputy Chief, Office of Community Assistance, Energy Section, Ohio Development Services Agency

Presenters:

Dr. Venus Welch-White, National Rural Energy Program Coordinator, Rural Business-Cooperative Service, U.S. Department of Agriculture

Bruce Knight, Lead Consultant, Ecosystem Services Market Consortium; Principal and Founder, Strategic Conservation Solutions

Lindsay Fitzgerald, Director of Government Affairs, Renewable Energy Group, Inc.

11:45 a.m. – 1:00 p.m. (*Colonnade Room, Lobby Level*)

Congressional Keynote Luncheon

Moderator:

Brooke Tucker, Managing Director, Utah Governor's Office of Energy Development; Co-Chair, NASEO Electricity Committee

Presenter:

The Honorable John Curtis (R-UT), Member, Natural Resources and Foreign Affairs Committees, U.S. House of Representatives

1:15 p.m. – 2:15 p.m. (*Ballroom II, Ballroom Level*)

Financing Resilience: State Solutions in Harnessing the Uncertain Economics of Energy, Infrastructure, and Climate Change

The increasing prevalence of natural disasters, along with evolving consumer priorities and market demands, are propelling an uptick in investments that make facilities and communities more resilient. This panel discusses emerging methods to fund energy resilience improvements and, in turn, leverage the benefits of these projects to make financing more attractive – a virtuous cycle of improvement.

Moderator:

Maureen Neighbors, Director, Energy Division, Alabama Department of Economic and Community Affairs

Presenters:

Christine Ashburn, Chief of Communications, Legislative and External Affairs, Citizens Property Insurance Corporation

Katherine Fox, Assistant Administrator for Mitigation, Federal Insurance and Mitigation Administration, Federal Emergency Management Agency

Anna Pavlova, Vice President, Government Relations, Schneider Electric

2:15 p.m. – 2:45 p.m. (*Ballroom II, Ballroom Level*)

The U.S. Department of Energy's Office of Cybersecurity, Energy Security, and Emergency Response: Supporting States in a Volatile Threat Landscape

Increasing cyber threats and frequent severe weather events pose enormous risk to the nation's energy infrastructure, underscoring the need for effective and robust state-federal collaboration on energy security. The U.S. Department of Energy's Office of Cybersecurity, Energy Security, and Emergency Response (CESER) supports State Energy Offices in their energy security initiatives, including threat awareness and analysis; sector-wide response coordination; and energy assurance plan development, implementation, and execution. This session highlights CESER's key priorities based on current threat intelligence and reviews ongoing and new federal energy security initiatives.

Moderator:

Molly Cripps, Director, Office of Energy Programs, Tennessee Department of Environment and Conservation; Treasurer, NASEO Board of Directors

Presenter:

Nicholas Andersen, Deputy Assistant Secretary, Infrastructure Security and Energy Restoration, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

2:45 p.m. – 3:45 p.m. (*Ballroom II, Ballroom Level*)

Where We Live and Work: Deploying New Technologies in Existing Buildings for Improved Efficiency, Occupant Satisfaction, and Emissions Reductions

Deployment of new technologies and innovative technology applications offer an opportunity to reduce the amount of energy used by existing buildings while simultaneously providing additional services and improving occupant comfort. This panel will explore strategies for policymakers to deploy new approaches to energy efficiency retrofits and highlight technology-focused efforts led by the U.S. Department of Energy and Environmental Protection Agency's ENERGY STAR program.

Moderator:

Dan Burgess, Director, Maine Governor's Energy Office; Member, NASEO Board of Directors

Presenters:

John Williams, Vice President, Policy and Regulatory Affairs, New York State Energy Research and Development Authority; Secretary, NASEO Board of Directors

Joan Glickman, Acting Director, Residential Buildings Integration, Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Dr. Carolyn Snyder, Director, Climate Protection Partnerships Division, U.S. Environmental Protection Agency

4:00 p.m. – 4:15 p.m. (*Ballroom Foyer, Ballroom Level*)

Networking Break

4:15 p.m. – 5:30 p.m.

Concurrent Breakout Sessions (Includes Afternoon Refreshments)

- **Breakout One: Wildfires, Curtailments, and Polar Vortices: Preparing for Planned Energy Interruptions** (*Hosted by NASEO Energy Security Committee*) (*Ballroom I, Ballroom Level*)

Unprecedented extreme weather challenges require new and unique industry and government responses. Planned interruptions of electricity, petroleum, and natural gas can be necessary, short-term solutions to long-term challenges, such as devastating wildfires and polar vortices. This panel examines sustainability and normalization of planned energy interruptions, options to mitigate the need for such actions over time, and the near-term solutions for states and the energy industry to utilize in communicating with the public.

Moderator:

Jennifer Richardson, Executive Director, Indiana Office of Energy Development

Presenters:

Brooke Tucker, Managing Director, Utah Governor's Office of Energy Development; Co-Chair, NASEO Electricity Committee

Jennifer Taylor, Deputy Director for Intergovernmental Relations, Nevada Governor's Office of Energy

Joanne Morin, Deputy Commissioner, Energy Policy, Planning and Analysis, Massachusetts Department of Energy Resources

Jeffrey Baumgartner, Senior Advisor, Berkshire Hathaway Energy

- **Breakout Two: Energy Equity Essentials: Tools and Resources to Promote Access and Inclusion in State Policymaking and Program Design** (*Hosted by NASEO Energy Equity Task Force*) (*Roosevelt Room, Ballroom Level*)

Equity in energy policy is an emerging topic that assesses how vulnerable populations are affected by policy decisions. As State Energy Offices seek to build more equitable policies and programs, they may consider strengthening relationships with frontline communities and stakeholders in their state; examining how existing and future policies will affect underrepresented groups; and exploring creative potential policy alternatives. This session presents key resources and tools that can help State Energy Offices consider equity in the energy policymaking context.

Moderator:

Michelle Gransee, State Energy Office Director, Energy Division, Minnesota Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors

Presenters:

Kristin Baja, Programs Director, Climate Resilience, Urban Sustainability Directors Network

Yasmin Yacoby, Energy Justice Program Manager, Rhode Island Office of Energy Resources

Jacqueline Patterson, Director, Environmental and Climate Justice Program, National Association for the Advancement of Colored People

Michael DiRamio, Manager, Strategic and Interagency Initiatives Program, Weatherization and Intergovernmental Program Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Thursday, February 6, 2020

7:00 a.m. – 8:00 a.m. (*Ballroom Foyer, Ballroom Level*)

Continental Breakfast

8:00 a.m. – 8:45 a.m. (*Ballroom II, Ballroom Level*)

Congressional Policy Outlook: Infrastructure, Climate, and Clean Energy

This discussion, led by NASEO’s General Counsel, convenes experts to provide the latest news on Congressional priorities and national energy policy outlooks.

Moderator:

Jeffrey Genzer, General Counsel, NASEO

Presenters:

Spencer Nelson, Professional Staff Member, Senate Energy and Natural Resources Committee

Brie Van Cleve, Senior Democratic Energy Advisor, Senate Energy and Natural Resources Committee

Heather Reams, Executive Director, Citizens for Responsible Energy Solutions

Sasha Mackler, Director, The Energy Project, Bipartisan Policy Center

8:45 a.m. – 9:15 a.m. (*Ballroom II, Ballroom Level*)

Congressional Keynote

Moderator:

John Williams, Vice President, Policy and Regulatory Affairs, New York State Energy Research and Development Authority; Secretary, NASEO Board of Directors

Presenter:

The Honorable Paul Tonko (D-NY), Chair, House Subcommittee on Environment and Climate Change, U.S. House of Representatives

9:15 a.m. – 10:00 a.m. (*Ballroom II, Ballroom Level*)

Solar and Hydropower Expansion: Regulatory Streamlining May Be Arriving “Just in Time” to Meet States’ Rising Renewable Power Targets

Across the nation, states are driving greater renewable power expansion through elevated Renewable Electricity Standards and targets. Grid integration challenges abound, as do longstanding regulatory barriers that should be modernized to reduce deployment costs, speed results, and address environmental quality commitments. This session looks at two key renewable power resources and the regulatory and permitting processes that will change over the next year to help states meet their goals.

Moderator:

Lise Trudeau, Senior Engineering Specialist, Emerging Energy Technologies, Division of Energy Resources, Minnesota Department of Commerce

Presenters:

Dan Reicher, Executive Director, Steyer-Taylor Center for Energy Policy and Finance; Lecturer, Stanford Law School

Anne Hoskins, Chief Policy Officer, Sunrun Inc.

Dr. Lola Infante, Senior Director, Clean Energy Technology and Policy, Edison Electric Institute

10:00 a.m. – 10:30 a.m. (*Ballroom II, Ballroom Level*)

U.S. State Energy Program: Supporting State Energy Priorities and State-Federal Coordination

This essential Outlook session provides the latest news from the U.S. Department of Energy on the U.S. State Energy Program and Weatherization Assistance Program, and offers the chance for states to engage leadership of the Weatherization and Intergovernmental Programs Office.

Moderator:

Curtis Thayer, Executive Director, Alaska Energy Authority

Presenter:

AnnaMaria Garcia, Director, Weatherization and Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

10:30 a.m. – 10:45 a.m. (*Ballroom II, Ballroom Level*)

Building for the Future: The Importance of Building Energy Codes in Addressing the Climate Crisis

The 2021 International Energy Conservation Code (IECC) governmental member voting results are now available. The next iteration of the energy code was developed with significant participation by State Energy Offices and local governments and will have important changes in store for both the building industry and for energy and climate policymakers. This session describes what to expect from the 2021 IECC when the final version is published.

Moderator:

Chad Kruse, Manager, Office of Energy, Illinois Environmental Protection Agency; Member, NASEO Board of Directors

Presenter:

Christopher Perry, Research Manager, Buildings Program, American Council for an Energy-Efficient Economy

11:00 a.m. – 12:00 p.m.

Concurrent Breakout Sessions

- **Breakout One: State Leadership on Energy-Related Climate Action at the National and Global Levels** (*Ballroom I, Ballroom Level*)

Last November, thousands of scientists from hundreds of nations signed on to a stark warning: “we declare unequivocally that planet Earth is facing a climate emergency,” predicting “untold suffering” without major transformations to local and national economies. Many U.S. states are stepping up to confront the climate crisis through aggressive policymaking, in-depth stakeholder engagement, and innovative coalition-building. This session highlights State Energy

Offices' actions locally, nationally, and internationally to protect their communities and residents from the worsening impacts of climate change.

Moderator:

Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors

Presenters:

Kelley Smith Burk, Director, Office of Energy, Florida Department of Agriculture and Consumer Services; Member, NASEO Board of Directors

Michelle Gransee, State Energy Office Director, Energy Division, Minnesota Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors

Alexa Voytek, Energy Programs Administrator, Office of Energy Programs, Tennessee Department of Environment and Conservation

Alan Zelenka, Assistant Director for Planning and Innovation, Oregon Department of Energy

- **Breakout Two: Electric Vehicle Infrastructure: Supporting the Medium- and Heavy-Duty Sectors** (*Hosted by NASEO Transportation Committee*) (*Roosevelt Room, Ballroom Level*)

While nearly every state is investing in electric vehicles and associated charging infrastructure, servicing medium- and heavy-duty electric vehicles is becoming a greater focus. With electric buses, trucks, and fleet vehicles hitting the road in greater numbers, infrastructure will need to be tailored to the needs of various drivers. This session will look at this emerging market need, and how states are engaging private firms to enable the electrification of these energy-intensive vehicles.

Moderator:

Sara Bluhm, Director, Division of Clean Energy, New Jersey Board of Public Utilities

Presenters:

Eric McCarthy, Senior Vice President, Government Relations, Public Policy and Legal Affairs, Proterra

Lynn Felcyn, Program Manager, Electrification and Commercial Business Development, DTE Energy

Jeffrey Bennett, Associate Director, Transit Delivery Division, District Department of Transportation

12:15 p.m. – 1:15 p.m. (*Colonnade Room, Lobby Level*)

Keynote Luncheon: Keeping Cool with the Solid-State Technology Revolution

Refrigeration and climate control technologies touch many facets of daily life, from the spaces where people live, eat, and work to facilities that support public health, industrial and economic development, and transport. Much like the transition from Edison's bulb to LED lighting, commercially available solid state refrigeration technologies – no compressor needed – are arriving today. In this session, Phononic's Cofounder and Chief Executive Officer discusses the promise of solid-state technologies, his company's rapid ascent as an innovator and disruptor, and the implications of this historic advance for state and federal energy leaders.

Moderator:

Sushma Masemore, Deputy Assistant Secretary for the Environment and State Energy Director, Division of Energy, Mineral, and Land Resources, North Carolina Department of Environmental Quality

Presenter:

Dr. Tony Atti, Director, Co-Founder and Chief Executive Officer, Phononic

NASEO Energy Technology Innovation Summit

Policies, Programs, and Partnerships for Technology-Driven Economic Development

The NASEO 2020 Innovation Summit showcases state, federal, academic, and private sector investments and partnerships that advance clean energy technology innovation and commercialization. Attendees of this inaugural event have the opportunity to cultivate relationships with State Energy Officials, federal agency leaders, technology investors, research institution experts, and other major players advancing clean technology research, development, demonstration, and deployment.

1:30 p.m. – 2:30 p.m. (*Ballroom II, Ballroom Level*)

State Energy Offices and the Clean Tech Ecosystem

Evolving and increasingly ambitious state energy, climate, workforce, and economic development goals have underscored the need for new and improved technologies deployed by the public and private sector at large scale. In this session, thought leaders from the states, federal government, and the policy community will set the stage for the 2020 Innovation Summit by discussing how and why state energy policymakers are a critical part of the rapidly evolving Innovation landscape.

Moderator:

Dr. Sumesh Arora, Director, Energy and Natural Resources Division, Mississippi Development Authority; Co-Chair, NASEO Energy Technology Innovation Advisory Group

Presenters:

Conner Prochaska, Chief Commercialization Officer and Director, Office of Technology Transitions, U.S. Department of Energy

John Lochner, Vice President, Innovation, New York State Energy Research and Development Authority

Charles Hernick, Policy and Advocacy Director, Citizens for Responsible Energy Solutions

Melanie Kenderdine, Principal, Energy Futures Initiative

2:30 p.m. – 3:00 p.m. (*Ballroom II, Ballroom Level*)

Accelerating Innovation and Energy Affordability: Priorities from the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy

The U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) is working to advance energy technology innovation and cost-competitiveness and to support and advance economic and workforce development. During this session, Assistant Secretary Daniel Simmons will highlight current EERE priorities and opportunities for potential collaboration between DOE and the states.

Moderator:
Representative, State Energy Office

Presenter:
The Honorable Daniel Simmons, Assistant Secretary, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

3:00 p.m. – 4:00 p.m. (*Ballroom II, Ballroom Level*)

Impact through Collaboration: Coordination Opportunities for State and Federal Energy Technology Advancements and Investments

This panel discussion will highlight federal agencies' investments in energy technology research and development and explore opportunities for collaboration among federal, state, and research partners.

Moderator:
Kelley Smith Burk, Director, Office of Energy, Florida Department of Agriculture and Consumer Services; Member, NASEO Board of Directors

Presenters:
Dr. James Zahler, Associate Director for Technology-to-Market, Advanced Research Projects Agency-Energy
Jack Surash, Deputy Assistant Secretary for Energy and Sustainability, U.S. Army
Alex Fitzsimmons, Chief of Staff and Acting Deputy Assistant Secretary for Energy Efficiency, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

4:15 p.m. – 5:30 p.m.

Concurrent Innovation-Focused Breakout Sessions

- **Breakout One: More than Just Research and Development: Technology Innovation and Commercialization within the U.S. Department of Energy's National Laboratories** (*Ballroom I, Ballroom Level*)

The U.S. Department of Energy's national laboratories play a critical role in advancing technologies for the U.S. clean energy economy. This session will highlight emerging technology advancements and the important work the labs do to bring innovations to market to solve pressing climate, energy, and economic challenges.

Moderator:
David Althoff, Director, Energy Programs Office, Pennsylvania Department of Environmental Protection; Member, NASEO Board of Directors

Presenters:

Brent Rice, Executive Manager, Strategic Partners, National Renewable Energy Laboratory

Robert (Lee) Cheatham, Director of Technology Deployment and Outreach, Pacific Northwest National Laboratory

Rob Bectel, Senior Program Analyst, Data Management and Digital Communications, Office of Technology Transitions, U.S. Department of Energy

- **Breakout Two: Technology Integration and Connectedness through Smart Cities, States, and Governments** (*Roosevelt Room, Ballroom Level*)

Community and state facilities and spaces offer opportunities for innovators to test, demonstrate, validate, and deploy new technologies. This session will introduce the concept of a “smart” community, underscore the importance of testing emerging technologies in real-world operational settings, and provide a deep-dive on efforts to accelerate intelligent mobility and reduce transportation energy use in Chattanooga, Tennessee through high-performance computing.

Moderator:

Alexa Voytek, Energy Programs Administrator, Office of Energy Programs, Tennessee Department of Environment and Conservation

Presenters:

Steve Crout, Director, Policy and Resilience Programs, Smart Cities Council

Dr. Jibonananda Sanyal, Group Leader and Senior Scientist, Computational Urban Sciences Group, Oak Ridge National Laboratory

5:45 p.m. – 6:45 p.m. (*Colonnade Room, Lobby Level*)

Innovation Summit Reception and Poster Sessions

Network and learn about new and emerging technologies with State Energy Officials, technology innovators, federal representatives, and investors.

Friday, February 7, 2020

7:15 a.m. – 8:15 a.m. (*Ballroom II, Ballroom Level*)

Networking Breakfast

8:15 a.m. – 9:00 a.m. (*Ballroom II, Ballroom Level*)

Morning Keynote: Investing for the Future

Investment is a crucial ingredient in clean technology innovation, commercialization, and deployment. Breakthrough Energy Ventures is a unique, investor-led fund dedicated to aligning capital, expertise, and stakeholders to advance climate solutions. In this session, Managing Director Jim Cabot will highlight the top priorities that guide Breakthrough Energy’s investments, as well as the critical need for technology, business, and policy innovation in tackling global climate and energy challenges.

Moderator:

Jim Ferris, Chief, Bureau of New Technology, New Jersey Board of Public Utilities

Presenter:

Jim Cabot, Managing Director, External Affairs and Policy, Breakthrough Energy Coalition

9:00 a.m. – 9:45 a.m. (*Ballroom II, Ballroom Level*)

Innovation for All: New Energy Investments and Technologies in Underserved and Frontline Communities

Energy technology advancements can be harnessed to address pressing socio-economic and environmental challenges, including climate change, energy burden, and unequal access to well-paying jobs and careers. This session introduces key partners ensuring the benefits of clean tech investments extend not only to the traditional “early adopters,” but also to underserved and vulnerable individuals and communities.

Moderator:

Edward O’Brien, Senior Economist, Technology Assessment Division, Louisiana Department of Natural Resources

Presenters:

Jo Brickman, Deputy Director and Director of Impact Strategy, VertueLab

Dr. Rajesh Mehta, Program Director, SBIR/STTR, National Science Foundation

9:45 a.m. – 10:15 a.m. (*Ballroom Foyer, Ballroom Level*)

Break

10:15 a.m. – 11:00 a.m. (*Ballroom II, Ballroom Level*)

Staying Alive in the Valleys of Death: Financing, Strategic Partnerships, and Technology Demonstration and Validation

States can play an integral role in bridging funding, financing, and technical assistance gaps for promising energy technologies. This session examines the “valleys of death” faced by innovators and the solutions that strategic financing and demonstration programs can offer.

Moderator:

Brian Selinger, Team Leader, Iowa Energy Office

Presenters:

Dr. Cyril Yee, Principal, Digital Ventures, Rocky Mountain Institute

Marco Rubin, Senior Investment Director, Center for Innovative Technology

Dr. David Hart, Senior Fellow, Information Technology and Innovation Foundation; Director, Center for Science and Innovation Policy, George Mason University

11:00 a.m. – 12:00 p.m. (*Ballroom II, Ballroom Level*)

Mentorship Models in Energy Technology Innovation

The commercialization pathways for new energy technologies are often indirect. Innovators face both opportunities and pitfalls as early-stage concepts and technologies advance toward market. The

session will examine the variety of program models that provide resources, mentorship, and assistance to entrepreneurs and start-ups.

Moderator:

Robert Jackson, Director, Energy Office, Michigan Department of Environment, Great Lakes, and Energy; Past Chair, NASEO Board of Directors

Presenters:

Dr. Emily Reichert, Chief Executive Officer, Greentown Labs

Eddy Trevino, Director, State Energy Conservation Office, Texas Comptroller of Public Accounts

Mark Glick, Specialist, Hawaii Natural Energy Institute, University of Hawai'i at Manoa; Co-Chair, NASEO Energy Technology Innovation Advisory Group

12:00 p.m. – 1:00 p.m. (*Colonnade Room, Lobby Level*)

Keynote Luncheon: Developing a Diversity-Informed Lens for Designing Policies and Programs

Women and minoritized groups face greater hurdles in accessing energy technology innovation professions and investments. Through two short stories and illustrative case studies, this keynote presentation explores the need for a diversity-informed lens when developing policies and programs to level the playing field to result in a richer innovation ecosystem.

Moderator:

Michael Li, Bureau Chief, Energy and Technology Policy, Connecticut Department of Energy and Environmental Protection

Presenter:

Yuka Nagashima, Executive Director, Food Shift; Founder, Paideia Enterprises

1:15 p.m. – 2:45 p.m. (*Ballroom II, Ballroom Level*)

Priorities for U.S. Department of Energy Technology Offices: Research, Development, Deployment, and Demonstration Opportunities

This session invites representatives of several U.S. Department of Energy technology offices to share their outlook for research, development, demonstration, and deployment and funding priorities in the coming year, and to highlight potential partnership opportunities with the State Energy Offices and their partners.

Moderator:

Michael Furze, Assistant Director, Energy Division, Washington State Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors

Presenters:

David Nemtzw, Director, Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Dr. Becca Jones-Albertus, Director, Solar Energy Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Dr. Sunita Satyapal, Director, Fuel Cells Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Eric Hsieh, Director, Grid Systems and Components, Office of Electricity, U.S. Department of Energy

Valri Lightner, Acting Director, Advanced Manufacturing Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

2:45 p.m. – 3:15 p.m. (*Ballroom II, Ballroom Level*)

Closing Keynote: Forging the Policy-Technology Nexus through State Energy Office Policies, Programs, and Partnerships: Perspectives from the Golden State

The California Energy Commission invests more than \$200 million each year to accelerate scientific and technology solutions that support a cleaner, safer, more affordable, and more resilient energy system for the state. In this session, Commissioner Andrew McAllister presents an in-depth view of the Commission's wide range of innovation programs, and how they support California's ambitious climate, energy, and economic development goals.

Moderator:

Molly Cripps, Director, Office of Energy Programs, Tennessee Department of Environment and Conservation; Treasurer, NASEO Board of Directors

Presenter:

Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors

3:15 p.m. – 3:30 p.m. (*Ballroom II, Ballroom Level*)

Synthesis and Closing Remarks

This closing session synthesizes key takeaways from the 2020 Innovation Summit, which NASEO will use to inform its ongoing engagement of State Energy Offices, federal agencies, and congressional partners on clean energy technology innovation and policy.

Moderator:

David Terry, Executive Director, NASEO

Presenters:

Dr. Sumesh Arora, Director, Energy and Natural Resources Division, Mississippi Development Authority; Co-Chair, NASEO Energy Technology Innovation Advisory Group

Mark Glick, Specialist, Hawaii Natural Energy Institute, University of Hawai'i at Manoa; Co-Chair, NASEO Energy Technology Innovation Advisory Group