



NASEO 2020 Annual Meeting
State Clean Energy Actions: America's Economic Engine
October 6 – 8, 2020

Meeting Website: <https://annualmeeting.naseo.org/>
Draft Agenda

Tuesday, October 6, 2020

Pre-Conference Session: NASEO-Denmark Offshore Wind Virtual Tour

9:45 a.m. ET – 12:00 p.m. ET

Offshore Wind: Clean Energy Colossus

Across the world offshore wind is emerging as a key means of delivering clean power to populated coastlines and regions, while creating new jobs and economic opportunity. In America, states from Maine to Hawaii are working to advance this important resource. Denmark is the global leader in various types of offshore wind energy development with decades of experience and lessons learned to offer states as they build their own clean energy economies. NASEO has partnered with the Trade Council of Denmark and the Embassy of Denmark to host a series of interactive “Virtual Tours” of the Danish offshore wind industry. This first installment, taking place as a kick-off to the NASEO 2020 Annual Meeting, includes remarks by Lone Dencker Wisborg, Ambassador of Denmark to the United States, interactive discussions on the “Policy Environment and Transition to Clean Energy” with Danish government and industry representatives, and a tour of the Horns Rev Offshore Wind Farm.

Moderator:

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

Panelist:

- The Honorable Lone Dencker Wisborg, Ambassador to the United States, Kingdom of Denmark

Annual Meeting Opening Session

12:15 p.m. – 12:30 p.m. ET

State Clean Energy Actions: America's Economic Engine

This opening session will provide a high-level overview of the meeting and briefly discuss each day's topical themes.

Panelists:

- David Terry, Executive Director, NASEO
- Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors

12:30 p.m. ET – 1:15 p.m. ET

State of Play: Congressional Energy Policy and Appropriations Actions

Reprising themes explored during NASEO's 2020 Energy Policy Outlook Conference in February, this discussion will feature the latest news and insights from policy experts on the potential for congressional action on clean energy, both in the context of pandemic recovery and broader energy, resilience, climate, and infrastructure packages.

Moderator:

- Jeff Genzer, General Counsel, NASEO

Panelists:

- Sasha Mackler, Director, The Energy Project, Bipartisan Policy Center
- Heather Reams, Executive Director, Citizens for Responsible Energy Solutions
- Sam Ricketts, Senior Fellow, Energy and Environment, Center for American Progress

1:30 p.m. ET – 2:15 p.m. ET

Lessons of Stimulus Past, Present, and Future

In response to the economic downturn brought on by the COVID-19 pandemic, the question of a federal stimulus package is front of mind for many Americans, including State Energy Officials. While such an action by Congress is by no means certain, this session will help prepare conference attendees in exploring how a major stimulus could impact and propel energy and infrastructure investments at the state and local level. In this session, current and former State Energy Officials will discuss lessons learned and achievements from the last historic stimulus action in 2009.

Moderator:

- David Gipson, Director, Energy Resources Division, Georgia Environmental Finance Authority

Panelists:

- Taresa Lawrence, Deputy Director, Energy Administration, District of Columbia District Department of Energy and Environment
- Louise Martinez, Director, Energy Conservation and Management Division, New Mexico Energy Minerals and Natural Resources Department
- Jeff Genzer, General Counsel, NASEO
- John Warren, Director, Virginia Department of Mines, Minerals, and Energy

2:30 p.m. ET – 3:00 p.m. ET

The Electric Vehicle Multiplier Effect: Exploring the Macroeconomic and Energy Benefits of Widescale Electric Vehicle Adoption

States and cities are advancing electric vehicle (EV) adoption primarily in pursuit of energy and climate goals; yet, widespread EV use can also provide significant macroeconomic benefits, including cost savings and job creation in manufacturing and other sectors. One recent study estimates that if EVs replace 25 percent of combustion-engine cars, the United States would save approximately \$17 billion annually by avoiding damages from climate change and air pollution. During this session, experts will explore ways the multi-faceted benefits of EVs.

Moderator:

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

Panelists:

- Dr. Daniel Horton, Assistant Professor and Director of Undergraduate Studies, Department of Earth and Planetary Sciences, Northwestern University
- Karen Glitman, Senior Director, Transportation and Distributed Energy Resources Markets, Center for Sustainable Energy
- Angela Strickland, Managing Director, Power Supply Services, GDS Associates, Inc.

3:15 p.m. ET – 3:45 p.m. ET

Governing for Growth, Climate, and Resilience

States are setting ambitious climate goals that will result in significant economic growth and a more resilient energy system. Join us for this Fireside Chat to hear about one state's strategy to meet its economic, energy, and climate goals.

4:00 p.m. ET – 5:00 p.m. ET – **Breakout Sessions**

Planning for Great Results: Pairing Economic Development with Community Resilience, Transportation Transformation, and Electricity Optimization

- **Breakout One – Hazard Mitigation for Energy Resilience: Leveraging Your State's Share of FEMA BRIC Funding**
The Federal Emergency Management Agency's (FEMA) Building Resilient Infrastructure and Communities program will provide billions of dollars in federal disaster recovery funds to states for pre-disaster hazard mitigation projects and hazard mitigation planning activities over the course of the next five years. State Energy Offices can play a significant role in collaborating with local, state, and federal partners by leveraging FEMA's new community lifeline concept to include energy resilience in local and state hazard mitigation plans for future funding eligibility. This session will provide examples of the relationships and processes involved in applying for a hazard mitigation application through BRIC and what states can expect during the project lifecycle.

Moderators:

- Megan Levy, Local Energy Programs Manager, Office of Energy Innovation, Wisconsin Public Service Commission; Co-Chair, NASEO Energy Security Committee
- Chris Yunker, Managing Director, Resiliency, Clean Transportation, and Analytics, Hawaii State Energy Office; Co-Chair, NASEO Electricity Committee

Panelists:

- Camille Crain, Building Resilient Infrastructure and Communities Section Chief, Hazard Mitigation Assistance Division, Federal Emergency Management Agency
- Amanda LeMaster, Energy Assurance Coordinator, Kentucky Office of Energy Policy
- Nick Grinstead, Hazard Mitigation Planner, State Hazard Mitigation Assistance Program, Kentucky Emergency Management
- Kristie Dodge, Community Development Director, Buffalo Trace Area Development District

- **Breakout Two – Shifting Building, Facility, and Energy Loads for Economic, Reliability, and Climate Benefits**

This session will discuss the growing importance of better managing electricity and natural gas loads to improve reliability and technical, economic, and environmental performance. In particular, new policies and initiatives are targeting electricity demand flexibility through grid responsiveness of buildings and their users. Clean peak initiatives, grid responsive appliance standards, advanced efficiency, renewable natural gas and power options, and load management standards are all coming together for policy makers, regulators, and investors. Considerations should be given to design and implementation of incentives, codes, and standards impacting buildings, the grid, and the distribution system. Hear from state, federal, and private sector leaders advancing flexible demand management to achieve energy, economic, and environmental objectives.

Moderator:

- Patrick Woodcock, Commissioner, Massachusetts Department of Energy Resources; Member, NASEO Board of Directors

Panelists:

- David Nemtzow, Director, Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
- Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors
- Anne Hoskins, Chief Policy Officer, Sunrun
- Rick Murphy, Managing Director, Energy Markets, American Gas Association

- **Breakout Three – Green Hydrogen: A Silver Bullet for Long-Duration Storage Needs in the Clean Energy Transition?**

Several states in the U.S. have substantial renewable power production capabilities, but limited inter-state transmission infrastructure and a temporal mismatch between supply and demand decrease its effectiveness. Other states have growing and significant demand for renewable power and need to improve the balance of locally available resources with “on demand” regional sources to improve reliability, resilience, and cost. Energy companies and states are increasingly interested in green hydrogen as a solution for long duration energy storage. A National Renewable Energy Laboratory study concludes that by 2050, hydrogen storage lasting for two weeks “is expected to be cost-effective.” This session will explore how green hydrogen could provide long-duration storage, potential challenges and barriers, as well as policy options.

Moderator:

- Dr. Will Toor, Executive Director, Colorado Energy Office; Member, NASEO Board of Directors

Panelists:

- Rob Simmons, Governor's Energy Advisor and Executive Director, Utah Governor's Office of Energy Development
- Dr. Laura Nelson, Executive Director, Green Hydrogen Coalition
- Sunita Satyapal, Director, Hydrogen and Fuel Cell Technologies Office, U.S. Department of Energy

5:30 p.m. ET – 7:00 p.m. ET

Sustainable Sommelier: Virtual Vineyard Tour Presented by Jackson Family Wines

Clean energy and wine make a perfect pairing. Join Santa Rosa, California-based Jackson Family Wines for an introduction to the world of sustainable winemaking, followed by a virtual wine tasting led by a world-class sommelier. An additional \$50.00 registration fee is required to participate in the wine tasting. Space is limited. Wine tasting sign-up instructions will be communicated via email to confirmed conference registrants. Note, shipping is not available to the U.S. territories, Alabama, Delaware, Indiana, Kentucky, Mississippi, New Jersey, Ohio, Rhode Island, Utah, or Wyoming. For more information on how to participate, contact Shemika Spencer (sspencer@naseo.org) and Sandy Fazeli (sfazeli@naseo.org).

Moderator:

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

Panelists:

- Aaron Schreiber-Stainthorp, Sustainability Manager, Jackson Family Wines
- Ann Wallace, Sales and Trade Development, Jackson Family Wines
- Ben Fine, Wine Education Manager, Jackson Family Wines
- Pedro Rusk, Wine Education Manager, Jackson Family Wines

Wednesday, October 7, 2020 – *Building It Better Together: Rebuilding America's Economy*

11:30 a.m. ET – 12:00 p.m. ET

Transition Document Discussion

Join NASEO leadership in reviewing NASEO's Bipartisan Transition Recommendations, outlining priorities which will guide NASEO advocacy, policy, and program efforts over the next four years.

Moderator:

- David Terry, Executive Director, NASEO

Panelists:

- John Chatburn, Administrator, Idaho Governor's Office of Energy and Mineral Resources; Member, NASEO Board of Directors
- Dan Burgess, Director, Maine Governor's Energy Office; Member, NASEO Board of Directors

12:00 p.m. ET – 1:00 p.m. ET

Schools, Efficiency, COVID, and Long-Term Indoor Air Quality: What We Know, What Can Be Done, and What is the Next Step

State and local governments, including many State Energy Offices, are grappling with the significant level of investment it will take to ensure that students can safely attend school amidst the COVID-19 pandemic. As important, schools may also be able to address broader indoor-air quality to positively impact student and teacher health. This session will provide a review of the technical, policy, and financing options being pursued by State Energy Offices and their private sector partners to aid schools in meeting this critical challenge through energy efficiency actions.

Panelists:

- Corey Metzger, Founding Principal, Resource Consulting Engineers, LLC
- Elizabeth Beardsley, Senior Policy Counsel, U.S. Green Building Council
- Russ Nelson, Senior Business Development Manager, Energy Systems Group

1:15 p.m. ET – 2:00 p.m. ET

COVID-19 Impacts to the American Economy

The COVID-19 pandemic has wreaked havoc on the global economy. As a result, state governments across the country are experiencing budget cuts while simultaneously enacting legislation to provide short-term financial relief to millions of Americans, and exploring longer-term policy and program options to grow jobs and create a more resilient and sustainable energy system. During this session, State Energy Offices will share budget and legislative updates from their state, and engage in a discussion on ways State Energy Offices can assist in the economic recovery.

Moderator:

- Sushma Masemore, Deputy Assistant Secretary for the Environment and State Energy Director, North Carolina Department of Environmental Quality

Panelists:

- Scott Glenn, Chief Energy Officer, Hawaii State Energy Office
- Dave Althoff, Director, Energy Programs Office, Pennsylvania Department of Environmental Protection; Member, Board of Directors
- Jennifer Richardson, Executive Director, Indiana Office of Energy Development
- Jason Lanclos, Director, Technology Assessment Division, Louisiana Department of Natural Resources; Parliamentarian, NASEO Board of Directors

2:15 p.m. ET – 3:00 p.m.

Return to Work: Hurdles, Lessons, Opportunities, and Pivots Across the Clean Energy Sector

Erasing years' worth of job growth, the public health crisis this year has had a dramatic impact on clean energy technology manufacturing, construction, and installation. This session will examine how key segments of the U.S. workforce, including the energy efficiency and solar sectors, are adapting to evolving health, safety, and economic conditions.

Moderator:

- Michael Li, Bureau Chief, Energy and Technology Policy, Connecticut Department of Energy and Environmental Protection (invited)

Panelists:

- AnnaMaria Garcia, Director, Weatherization and Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy (invited)
- Lily Li, Chief Executive Officer and Founder, Hancock Software, Inc.
- Representative, Solar Energy Industries Association (invited)
- Valerie Evans, Building Official, City of North Las Vegas (invited)

3:15 p.m. ET – 3:45 p.m. ET

Keynote: Catapulting Renewable Energy through Corporate Investment and Action

4:00 p.m. ET – 5:00 p.m. ET – **Breakout Sessions**

Energy Systems Going Clean, Distributed, and Integrated

- **Breakout One – Bringing Hybrid Energy Resources to Market: Challenges and Opportunities**
Hybrid energy resources, such as solar or natural gas generation paired with battery storage, are rapidly transitioning from a novel concept to a mainstream application. As a combination of multiple technologies that are physically and electronically controlled as a single resource, hybrid resources can offer multiple benefits, including simpler and more streamlined operation, compared to stand-alone or even co-located resources. To date, five of the seven organized wholesale market operators, as well as the Federal Energy Regulatory Commission, have started new rule development for hybrid resources, and all are discussing ways to increase hybrid resources' participation in the market. This panel will discuss the policy, regulatory, and market implications of increased hybrid energy resources and potential state actions.

Moderator:

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

Panelists:

- Gabriel Murtaugh, Lead Infrastructure and Regulatory Policy Developer, Market and Infrastructure Policy, California Independent System Operator
 - Maria Tome, Managing Director for Energy Efficiency and Renewable Energy, Hawaii State Energy Office
 - Charles Hookham, Executive Director, Project Management, CMS Energy
- **Breakout Two – Leveraging Billions in Existing Federal Energy R&D Funding for Your States' Future: Jobs, Innovation, Climate**
Each year, the U.S. Department of Energy, National Science Foundation, and ARPA-e provide billions of dollars in federal energy research funding to universities, companies, and other institutions. This session looks at this opportunity through the State Energy Office planning lens to help states realize the economic power of expanding the pool of cutting-edge energy technology researchers and entrepreneurs to create an “eco-system” of innovation and growth.

Moderator:

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

Panelists:

- Alex Kizer, Director of Research and Senior Associate, Energy Futures Initiative
 - Dr. Sumesh Arora, Director, Energy and Natural Resources Division, Mississippi Development Authority
 - Canan “Janan” Balaban, Associate Director, Florida Energy Systems Consortium
- **Breakout Three – Labeling, Codes, and Performance Standards: Tools to Improve Affordability, Quality of Life, and More Equitable Outcomes**

Home energy labels protect buyers and stimulate money-saving efficiency investments. Building energy codes require new buildings to meet base levels of energy performance to protect buyers’ pocketbooks while supporting resiliency, safety, health, and comfort. Building energy performance standards are a new, emerging approach states and localities are using to improve their building stocks, reduce utility bills, and meet energy and climate objectives. This session will discuss how, separately and together, these policies can enhance energy affordability and quality-of-life in all communities, including marginalized and underrepresented communities.

Moderator:

- Robin Yochum, Energy Program Manager, Nevada Governor’s Office of Energy

Panelists:

- Emily Salzberg, Managing Director, Building Standards and Performance Unit, Washington State Department of Commerce
- Catherine Reed, Deputy Director, Energy Office, South Carolina Office of Regulatory Staff
- Maggie Kelley, Built Environment Project Manager, Southeast Energy Efficiency Alliance

Thursday, October 8, 2020 – Job Creation through Clean Energy Innovation

11:00 a.m. ET – 11:45 a.m. ET

U.S. State Energy Program and Technical Assistance Update *(State and Territory Energy Offices by Invitation Only)*

This important update and Q&A session will cover the latest news on U.S. State Energy Program Guidance, Market Titles, Technology Action Group, and new state and local tools and resources.

Panelists:

- Amy Royden-Bloom, State Energy Program Manager, Weatherization and Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
- Alice Dasek, Advisor, Partnerships and Technical Assistance Team, Weatherization and Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

12:00 p.m. ET – 12:45 p.m. ET

Field Demonstration and Validation

Demonstration and validation help to commercialize and disseminate new technologies by providing real world data to guide further technology development, enhancing confidence among potential users, customers, and investors. This session will explore how the public sector can provide or support

demonstration test beds to advance energy technologies, as is being pursued by the U.S. Department of Energy, General Service Administration, and U.S. Department of Defense at the federal level and by some states.

Moderator:

- Brian Selinger, Team Lead, Iowa Economic Development Authority, Energy Office

Panelists:

- Kevin Powell, Director of Emerging Technologies, Public Buildings Service, U.S. General Services Administration
- Amy Jiron, Acting Commercial Buildings Integration Program Manager, Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
- Mary Sue Lobenstein, Research and Development Program Administrator, Conservation Improvement Programs, Division of Energy Resources, Minnesota Department of Commerce

1:00 p.m. ET – 1:45 p.m. ET

Unlocking Climate and Economic Benefits through STEM Education

Investments in Science, Technology, Engineering, and Mathematics (STEM) education offer multiple benefits, including the development of a strong technical workforce and the potential to advance technology innovations, performance improvements, and cost reductions in response to pressing climate and energy issues. This session will highlight promising STEM programs and experts.

Moderator:

- Eddy Trevino, Director, Texas State Energy Conservation Office

Panelists:

- Juan Garcia, President, DISCO Learning Media
- Natasha Campbell, Chief Strategist for Clean Energy Initiative, Historically Black Colleges and Universities Community Development Action Coalition
- Guille Pelaez, Education Program Specialist, Utah Governor's Office of Energy Development

2:00 p.m. ET – 2:30 p.m. ET – **Coffee Chat Sessions**

- **Energy Equity Coffee Chat Session**

Join us for a conversation exploring the importance of bringing equity to your internal operations, programs, and policies and what it looks like in practice.

Moderator:

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

Panelist:

- Subin DeVar, Co-Founder and Co-Director, Initiative for Energy Justice

- **Untapped Opportunity: Reaping Climate, Economic, and Resilience Benefits through T&D Efficiency**

This informal discussion session will shed light on an oft-overlooked strategy in energy system planning: designing-in transmission and distribution (T&D) system efficiency, which offers states a key tool to advance their energy affordability, reliability, resilience, and clean power goals. Grab your coffee and tea and come prepared to learn about the critical role State Energy Offices can play in advancing T&D system efficiency.

Panelist:

- David Townley, Director of Public Policy, CTC Global

2:45 p.m. ET – 3:45 p.m. ET – **Breakout Sessions**
Harnessing Innovation to Meet Challenges

- **Breakout One – Should You Stay or Should You Go: Innovations in Resilience and Emergency Response**

States have made significant innovations in state emergency response and resilience planning as they are confronted with new challenges. The COVID-19 crisis has highlighted the need to upgrade buildings and allow for more sheltering in place. Additional on-site generation, microgrids and improved energy efficiency could be important tools to harden buildings. As electric vehicles are becoming more prevalent, states will also have to examine what additional or improved infrastructure is needed to support their potential in evacuations and as grid assets. This session will provide innovative state policy and technology examples to improve resilience for shelters and evacuation routes.

Moderators:

- Ben Bolton, Energy Programs Administrator and Emergency Services Coordinator for Energy, Office of Energy Programs, Tennessee Department of Environment and Conservation; Co-Chair, NASEO Energy Security Committee
- Annie Schneider, Senior Program Specialist, Transportation, Utah Governor's Office of Energy Development

Panelists:

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

- **Breakout Two – Connected, Reliable, Resilient: Technologies at the Grid-Buildings Edge**

Advancing technologies can allow more flexible management of building and facility energy use to benefit occupants, owners, and the grid. Grid-interactive efficient buildings (GEBs) and related demand flexibility approaches can lower costs, enhance reliability and resilience, and reduce emissions by moderating peak demand, providing grid services, and better integrating cleaner energy resources. This session will explore emerging technologies and approaches that will enable these advances.

Moderator:

- Hanna Terwilliger, Economic Analyst, Minnesota Public Utilities Commission

Panelists:

- Clay Nesler, Vice President, Global Sustainability and Regulatory Affairs, Johnson Controls, Inc.; Interim President, Alliance to Save Energy

- Michael Reed, Team Lead, Advanced Efficiency Solutions, New York State Energy Research and Development Authority
 - Tamer Rousan, Manager, Distributed Energy Resource Integration Strategies, Smart Grid and System Improvement, Ameren Illinois
 - Jeff Morris, Director State Government Relations, North America Operations, Schneider Electric
- **Breakout Three – Delivering the Goods: Innovation in the U.S. Shipping and Delivery System**
Over the last several years, the movement of goods in the United States has changed drastically, with much more focus on last-mile transportation and at-home delivery. Furthermore, delivery firms are very focused on new energy technologies as a way to reduce fuel use, maintenance, and operating costs in their fleets. This session will focus on innovations in the shipping industry that will reduce energy use in long-distance freight, as well as last-mile solutions that can reduce congestion, fuel use, and air pollution in residential areas.

Moderator:

- Ben Kessler, Clean Energy Specialist, Energy Office, South Carolina Office of Regulatory Staff

Panelists:

- David Schaller, Industry Engagement Director, North American Council for Freight Efficiency
- Eva DeCesaro, Senior Product Manager, Electric Transportation, PacifiCorp
- Dr. Michael Guterres, Senior Principal, Unmanned Aviation, MITRE Corporation
- Michelle Duquette, Unmanned Portfolio Manager, MITRE Corporation

4:00 p.m. ET – 4:45 p.m. ET

2021 Annual Meeting Preview: Maine Offshore Wind R&D Facility Tour and Tribute to Outgoing NASEO Board Chair

NASEO is excited to host our 2021 Annual Meeting in Portland, Maine, where participants will learn about offshore wind development first-hand and explore all The Pine Tree State has to offer. This session will provide a sneak-peak of the University of Maine’s Offshore Wind Floating Platform, which will be offered as a tour next year. In addition, NASEO will introduce the incoming Board Chair.

Panelists:

- Dan Burgess, Director, Maine Governor’s Energy Office; Member, NASEO Board of Directors
- Dr. Habib Dagher, Executive Director, Advanced Structures and Composites Center, University of Maine

4:45 p.m. – 5:00 p.m.

Closing Remarks and #PetsOfNASEO Contest Winner Announcement

Panelist:

- David Terry, Executive Director, NASEO