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 (invited)

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 Paroject, 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 Wide-scale EV 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
- Maureen Neighbors, Energy Division Chief, Alabama Department of Economic and Community Affairs (invited)

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, Energy Systems and Transportation, 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 (invited)
Amanda LeMaster, Energy Assurance Coordinator, Kentucky Office of Energy Policy
Kristie Dodge, Community Development Director, Buffalo Trace Area Development District
Representative, State Hazard Mitigation Assistance Program, Kentucky Emergency Management (invited)

• **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:*
- Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors
- Anne Hoskins, Chief Policy Officer, Sunrun

• **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

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

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.

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 State Energy Offices and their private sector partners to aid schools in meeting this critical challenge through energy efficiency actions.

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.

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 (invited)

  **Panelists:**
• 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:
  o Kelley Smith Burk, Director, Office of Energy, Florida Department of Agriculture and Consumer Services; Vice Chair, NASEO Board of Directors

Panelists:
  o Alex Kizer, Director of Research and Senior Associate, Energy Futures Initiative
  o Dr. Sumesh Arora, Director, Energy and Natural Resources Division, Mississippi Development Authority
  o 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:
  o Robin Yochum, Energy Program Manager, Nevada Governor’s Office of Energy

Panelists:
  o Michael Furze, Assistant Director, Energy Division, Washington State Department of Commerce; Co-Chair, NASEO Energy Equity Task Force; Member, NASEO Board of Directors (invited)
  o Rob Underwood, Energy Programs Section Administrator, Division of Climate, Coastal and Energy, Delaware Department of Natural Resources and Environmental Control (invited)
  o Catherine Reed, Deputy Director, Energy Office, South Carolina Office of Regulatory Staff

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.

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.

*Panelists:*
- Kevin Powell, Director of Emerging Technologies, Public Buildings Service, U.S. General Services Administration
- Representative, Energy Division, Minnesota Department of Commerce (invited)

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 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 (invited)
Panelist:
- Dr. Shalanda Baker, Co-Founder and Co-Director, Initiative for Energy Justice; Professor of Law, Public Policy and Urban Affairs, Northeastern University (invited)

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
- Dr. Justin Cochran, Emergency Coordinator and Nuclear Advisor, California Energy Commission (invited)
- David Townley, Director of Public Affairs, CTC Global Corporation

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

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.

**Panelist:**
- Dan Burgess, Director, Maine Governor’s Energy Office; Member, NASEO Board of Directors (invited)

4:45 p.m. – 5:00 p.m.

**Closing Remarks and #PetsOfNASEO Contest Winner Announcement**

**Panelist:**
- David Terry, Executive Director, NASEO