



Pre-Conference Meetings (NASEO Members and Invited Guests)

Sunday, September 23

10:00 am – 11:30 am (*Founders B Room, Third Floor*)

U.S. Department of Energy's U.S. State Energy Program Competitive Meeting (By Invitation Only)

The U.S. Department of Energy's (DOE) Office of Weatherization and Intergovernmental Programs will convene states awarded under the U.S. State Energy Program (SEP) competitive process. The meeting will include presentations by representatives from DOE's Office of Weatherization and Intergovernmental Programs within the Office of Energy Efficiency and Renewable Energy and participating states.

11:30 am – 12:45 pm (*Washington Boardroom, Third Floor*)

NASEO-Appliance Standards Awareness Project Meeting on State Appliance Efficiency Standards (By Invitation Only)

NASEO and the Appliance Standards Awareness Project will facilitate a discussion on the status, plans, and activities relating to state-level appliance and equipment energy efficiency standards. (State and Territory Members wanting more information on this invitation only meeting may contact Rodney Sobin at: rsobin@naseo.org).

1:00 pm – 2:15 pm

NASEO Concurrent Regional Meetings (NASEO State and Territory and Affiliate Members Only)

The NASEO regional meetings provide an opportunity for states to meet in-person with their colleagues to discuss program and policy implementation and share lessons learned. Each region will follow a meeting agenda tailored to the priorities of the states in the region.

- **NASEO Southeast Regional Meeting** (*Founders A Room, Third Floor*)

Moderators:

Rick Bender, Director, Kentucky Office of Energy Policy; Member, NASEO Board of Directors

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

- **NASEO Mid-Atlantic and Northeast Regional Meetings** (*Woodward D Ballroom, Second Floor*)

Moderator:

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

- **NASEO Midwest Regional Meeting** (*Esquire Room, Third Floor*)

Moderators:

Maria Redmond, Director, Office of Energy Innovation, Wisconsin Public Service Commission; Co-Chair, NASEO Transportation Committee; Member, NASEO Board of Directors;

Tristan Vance, Director, Indiana Office of Energy Development; Member, NASEO Board of Directors

- **NASEO Central Regional Meeting** (*Founders B Room, Third Floor*)

Moderators:

Laura Rennick Andersen, Energy Bureau Chief, Montana Department of Environmental Quality; Member, NASEO Board of Directors

Kathleen Staks, Director, Colorado Energy Office; Co-Chair, NASEO State-Local Committee; Member, NASEO Board of Directors

- **NASEO Western Regional Meeting** (*Woodward C Ballroom, Second Floor*)

Moderators:

Michael Furze, Assistant Director, Energy Division, Washington State Department of Commerce; Member, NASEO Board of Directors

Laura Nelson, PhD, Governor's Energy Advisor and Executive Director, Utah Governor's Office of Energy Development; Member, NASEO Board of Directors

2:30 pm – 4:00 pm

NASEO Concurrent Committee Meetings (*NASEO State and Territory and Affiliate Members and Invited Guests Only*)

- **NASEO Transportation Committee** (*Woodward C Ballroom, Second Floor*)

The NASEO Transportation Committee works to identify pressing transportation-energy issues and explore innovative program and policy design that supports the use of electric and alternative fuel vehicles and infrastructure, as well as understand the implications of automated vehicles and advanced mobility. During this Committee meeting, members will hear about a new electric vehicle (EV) policy roadmap for states, engage in a roundtable to explore challenges and opportunities at the state level,

highlight state planning efforts under the Volkswagen Settlement, and identify priority topics for the Committee to address in the coming year. Specific questions that Committee members will be asked to address during the roundtable include:

- How is your state coordinating with others in your region on EV infrastructure investment and vehicle deployment? What specific issues are you tackling together?
- How is your state supporting Alternative Fuel Corridor development under the U.S. Department of Transportation's FAST Act? What challenges are you facing with regards to infrastructure and signage implementation?
- What topics would you like the NASEO Transportation Committee to explore in the coming year? Is there specific support that would help your office achieve your transportation-related priorities?

Moderators:

Maria Redmond, Director, Office of Energy Innovation, Wisconsin Public Service Commission; Co-Chair, NASEO Transportation Committee; Member, NASEO Board of Directors;

Alexa Voytek, Senior Program Manager, Office of Energy Programs, Tennessee Department of Environment and Conservation; Coordinator, Middle-West Tennessee Clean Fuels Coalition; Co-Chair, NASEO Transportation Committee

Presenter:

Sue Gander, Director, Environment, Energy, and Transportation, National Governors Association Center for Best Practices

- **NASEO Buildings Committee** (*Woodward D Ballroom, Second Floor*)

The NASEO Buildings Committee will convene a roundtable discussion-based session covering a variety of topics and facilitate peer-to-peer conversation on timely topics in building energy efficiency. Please come with your questions and experience on the topics of net zero buildings and their interactions with the grid, strategies for developing a strong work force for code inspection and enforcement, and the International Energy Conservation Code (IECC) 2021 codes cycle and how your state can participate. This session will offer a forum for questions such as:

- What role can zero energy buildings play in balancing grid assets and liabilities?
- As many code officials age out of the work force, how can your state identify and train new code officials to take their place? Is there an opportunity to reach students who want to pursue careers in the trades?
- Why does the 2021 IECC codes cycle matter? How does the energy code fit in your state's strategic planning? How can participation help meet state and community goals?

Moderators:

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

Alexander Pollard, Energy Efficiency Commercial Programs Manager, Massachusetts Department of Energy Resources; Co-Chair, NASEO Buildings Committee

Chris Baker, Principal, The Weidt Group; Co-Chair, NASEO Buildings Committee

2:30 pm – 4:00 pm

Energy Assurance Planning Roundtable for Islands and Remote Communities (By Invitation Only) (Washington Boardroom, Third Floor)

NASEO will host a roundtable focused on energy assurance planning for islands and remote communities.

Presenters:

David Terry, Executive Director, NASEO

Kate Marks, Senior Advisor, Infrastructure Security and Energy Restoration Division, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

4:15 pm – 5:15 pm (Crystal Ballroom, Fourth Floor)

NASEO Board of Directors Meeting (NASEO State and Territory and Affiliate Members Only)

NASEO's Board of Directors Meeting is open to NASEO State and Territory Energy Office and Affiliate members only and covers policy, programmatic, and administrative updates of the organization.

Presenters:

Robert Jackson, Director, Energy Office, Michigan Agency for Energy; Chair, NASEO Government Affairs Committee; Chair, NASEO Board of Directors

Andrew McAllister, PhD, Commissioner, California Energy Commission; Vice Chair, NASEO Board of Directors

5:15 pm – 5:45 pm (Crystal Ballroom, Fourth Floor)

NASEO Annual Business Meeting (NASEO State and Territory and Affiliate Members Only)

NASEO's Annual Business Meeting is open to NASEO State and Territory Energy Offices and Affiliate members only and includes the election of NASEO's Executive Officers as well as the review and approval of NASEO's FY'19 budget.

5:45 pm – 6:15 pm (Crystal Ballroom, Fourth Floor)

NASEO Institute Board Meeting (By Invitation Only)



**NASEO 2018 Annual Meeting:
*Energy Innovations and Intersections***

Monday, September 24

Day 1: Energy Policy and Technology Strategies for Buildings and the Grid

8:00 am – 8:15 am (*Venetian Ballroom, Fourth Floor*)

Welcome and Opening Remarks

This opening session sets the stage for our conference.

Presenters:

Robert Jackson, Director, Energy Office, Michigan Agency for Energy; Chair, NASEO Government Affairs Committee; Chair, NASEO Board of Directors
David Terry, Executive Director, NASEO

8:15 am – 8:45 am (*Venetian Ballroom, Fourth Floor*)

Accelerating Sustainability in the Motor City

This session will examine Detroit's multi-pronged approach to sustainability and highlight strategies that state and local officials can use to improve energy infrastructure, transit options, and the built environment.

Moderator:

Kathleen Staks, Director, Colorado Energy Office; Co-Chair, NASEO State-Local Committee; Member, NASEO Board of Directors

Presenter:

Joel Howrani Heeres, Director of Sustainability, City of Detroit

8:45 am – 9:00 am (*Venetian Ballroom, Fourth Floor*)

NASEO Priorities and Directions

This session will feature key developments and priorities that NASEO members are pursuing, including a presentation of key preliminary findings from NASEO's 2018 Members Survey.

Presenter:

David Terry, Executive Director, NASEO

9:00 am – 9:45 am (*Venetian Ballroom, Fourth Floor*)

Putting the Strategy in Strategic Electrification: Understanding the Research on Costs and Benefits

A balanced understanding of the implications of electrifying energy systems may help highlight pathways to achieve beneficial electrification without sacrificing the environmental or economic advantages associated with other types of fuels. This session will present the latest research findings examining the costs and benefits of electrification, with a particular focus on the buildings sector.

Moderator:

Darcy Jones, Energy Policy Analyst, Energy Office, South Carolina Office of Regulatory Staff

Presenters:

Chris McGill, Vice President, Energy Markets, Analysis and Standards, American Gas Association

Tom Wilson, Principal Technical Executive, Energy and Environmental Analysis, Electric Power Research Institute

10:00 am – 11:30 am

Concurrent Sessions

- **Breakout 1: Utility Rate Design Innovations and Reinventing Distribution System Planning**

(Hosted by NASEO's Fuels and Grid Integration Committee) (Crystal Ballroom, Fourth Floor)

This session will present the latest research and analysis on effective utility rate design, and the impact and importance of state policy in re-envisioning distribution system planning.

Moderator:

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

Presenters:

Marion Gold, PhD, Commissioner, Rhode Island Public Utilities Commission

Jim Baak, Senior Manager, Regulatory Affairs, STEM Inc.

Asa Hopkins, PhD, Principal Associate, Synapse Energy Economics, Inc.

- **Breakout 2: Driving Market Transformation Strategies Through Home Energy Scorecards and Transparency in the Residential Real Estate Market** (*Founders AB Room, Third Floor*)

This session will include an update on efforts by states and cities to make home energy performance information more transparent in residential real estate transactions.

Moderator:

Becca Trietch, Administrator of Energy Programs, Energy Efficiency, Rhode Island Office of Energy Resources

Presenters:

Alexander Pollard, Energy Efficiency Commercial Programs Manager, Massachusetts Department of Energy Resources; Co-Chair, NASEO Buildings Committee

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

Andy Popp, Manager of Energy Efficiency, Division of Energy, Missouri Department of Economic Development

Samantha Caputo, Policy and Research Associate, Northeast Energy Efficiency Partnership

- **Breakout 3: Within Reach: Energy Strategies for Rural and Remote Communities** (*Woodward CD Ballroom, Second Floor*)

This session will focus on challenges and opportunities for rural and small-town communities to reduce energy costs and waste, enhance energy reliability and resilience, and strengthen economic development.

Moderator:

Mitchell Simpson, Director, Energy Office, Arkansas Department of Environmental Quality

Presenters:

Terri Novak, Manager, Energy Office, Michigan Agency for Energy

Lisa Smith, Senior Planner, Maine Governor's Energy Office

Starlette Hodge, State Energy Program Manager, North Carolina Department of Environmental Quality

11:45 am – 1:00 pm (*Woodward AB Ballroom, Second Floor*)

Keynote Lunch: Extracting Value from the Nexus Between Affordability and Zero-Energy: Whisper Valley Community Spotlight

Located along the booming SH 130 corridor, Austin's Whisper Valley community is the blueprint for a new kind of planning. Whisper Valley is an environmentally-sensitive development dedicated to energy efficiency and cutting-edge technology. Homes built by Pacesetter Homes and Avi Homes are affordably priced, from the low \$200s. Whisper Valley is a model for the

future of sustainable living. From the ground up – and even far below it – everything has been thoughtfully planned to create the ideal community.

Moderator:

Dub Taylor, Director, Texas State Energy Conservation Office; Co-Chair, NASEO Fuels and Grid Integration Committee Treasurer, NASEO Board of Directors

Presenter:

Axel Lerche, Co-Founder, EcoSmart Solution, LLC

1:15 pm – 2:00 pm (*Venetian Ballroom, Fourth Floor*)

Educating and Engaging Consumers

From utility consumer engagement to energy efficiency competitions, this session will examine ways states, utilities, and suppliers can enable and empower consumers to make smart energy decisions.

Moderator:

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

Presenters:

Bernice McIntyre, Regulatory Strategy Director, Washington Gas and Light
Katy Hatcher, ENERGY STAR National Manager, U.S. Environmental Protection Agency

2:00 pm – 2:45 pm (*Venetian Ballroom, Fourth Floor*)

Why Insulation Matters: Achieving Efficiency, Environmental, Fiscal, and Resiliency Policy Objectives in the Building Sector

Energy efficiency is one of the most cost-effective ways to achieve energy, resilience, and environmental policy goals, in addition to supporting well-paying jobs in manufacturing and the trades. Proper insulation in residential, commercial, and mechanical sectors creates energy efficient systems that provide fiscal, health, and system resilience benefits that can be undervalued. This session will get the insulation industry's perspective on how proper valuation of efficiency and the building energy code process can be used to meet state and city emission reduction goals, reduce utility ratepayer spending, as well as policy drivers related to promoting energy efficiency, job creation and worker safety in the commercial and industrial building sector.

Moderator:

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

Presenters:

Alec Rexroat, Executive Director, Insulators Labor Management Cooperative Trust

Charlie Haack, Director, Technical Services, North American Insulation Manufacturers Association
George Phelps, Manager, Product and Legislative Affairs, Knauf Insulation

2:45 pm – 3:30 pm (*Venetian Ballroom, Fourth Floor*)

What's Next for Energy Efficiency and Grid Optimization: Grid-Interactive Efficient Buildings

Technology advances are enabling governments, businesses, and homes to reach higher levels of energy efficiency and productivity. Increasingly, efforts to connect building energy use and production to the grid, to different sources of generation, and to the Internet of Things are creating more opportunities than ever for intelligence and interactivity. This session will explore "what's next" for energy efficiency -- including how it will adapt to changing U.S. energy infrastructure and markets, and the policies needed to get energy efficiency to the next level.

Moderator:

Andrew McAllister, PhD, Commissioner, California Energy Commission; Vice Chair, NASEO Board of Directors

Presenters:

David Nemtzw, Director, Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Chris Baker, Principal, The Weidt Group; Co-Chair, NASEO Buildings Committee

3:45 pm – 5:00 pm

Concurrent Sessions

- **Breakout 1: Designing for Innovation: Energy Technology Advancements and Communications for Evolving Energy Markets** (*Founders AB Room, Third Floor*)
Technology innovators, entrepreneurs, and incubators play a crucial role in advancing energy markets, smart communities, digitally connected infrastructure, and blockchain technologies. This session will highlight emerging technologies, practices, and communications strategies that State Energy Officials should know about.

Moderator:

Laura Nelson, PhD, Governor's Energy Advisor and Executive Director, Utah Governor's Office of Energy Development; Member, NASEO Board of Directors

Presenters:

Barbara Bauman Tyran, Executive Director, Government and External Relations, Electric Power Research Institute
Ward Lenz, Managing Director, North Carolina Sustainable Energy Association
Patrick Hughes, Senior Director, Government Relations and Strategic Initiatives, National Electrical Manufacturers Association
Edward Stones, Global Director, Energy and Climate Change, The Dow Chemical Company

- **Breakout 2: Grid-Interactive Efficient Buildings: Improving and Optimizing Energy Performance** (*Woodward CD Ballroom, Second Floor*)

This session will delve deeper into the topics discussed in the “What’s Next for Energy Efficiency and Grid Optimization: Grid-Interactive Efficient Buildings” plenary session. New technologies and approaches will allow a transition from energy supply chasing energy demand to one in which both supply and demand are adjusted to optimize costs and performance of both the grid and buildings/facilities. This session will explore opportunities and challenges to advancing grid-interactive efficient buildings.

Moderator:

Sumesh Arora, PhD, Director, Energy and Natural Resources Division, Mississippi Development Authority

Presenters:

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

Jan Berman, Director, Grid Innovation, Pacific Gas and Electric Company

- **Breakout 3: Where’s the Demand: How Increased Electrification is Impacting the Power Sector** (*Crystal Ballroom, Fourth Floor*)

The power sector is undergoing an unprecedented transition marked by flat load growth, the emergence of new cost-competitive technologies, and a growing focus on the environmental impacts of traditional sources of generation. In an effort to combat declining electricity sales while addressing consumer concerns over carbon emissions, many electric utilities have identified opportunities for growth through the electrification of the commercial and residential sectors. This session will explore how increased electrification is impacting consumer behavior and identify key considerations and opportunities for policy makers and regulators.

Moderator:

Joe Doiron, Deputy Director and State Energy Program Administrator, Office of Strategic Initiatives, New Hampshire Office of Energy and Planning

Presenters:

Keith Dennis, Associate Director, Strategic Initiatives, National Rural Electric Cooperative Association

Cedric Daniels, Electric Transportation Manager, Alabama Power

Michael Hyland, Senior Vice President, Engineering Services, American Public Power Association

5:30 pm – 7:30 pm (*461 Burroughs Street, Detroit, MI 48202*)

Reception at NextEnergy

NextEnergy works with innovators to accelerate smarter, cleaner, more accessible solutions for communities and cities. Based in the center of Detroit's growing innovation district with access to a microgrid, smart home, electric vehicle charging infrastructure and an alternative fuels platform, NextEnergy demonstrates and pilots technologies in real-world environments to gather data and diverse user-experiences.

Tuesday, September 25

Day 2: New Markets, Crosscutting Solutions and Integrated Programs

8:00 am – 9:00 am (*Venetian Ballroom, Fourth Floor*)

Breaking Boundaries for Energy and Transportation Innovation: U.S. and Indian Perspectives

Energy production, consumption, and transport play a vital role in globalized economies, ensuring the trade and movement of goods, services, and people both domestically internationally. While energy policy, program, and technology innovation have been a central focus of bilateral and multilateral engagement among federal governments globally, including between the United States and India, there remain significant opportunities for state and local policymakers to exchange best practices on pressing issues such as energy access, affordability, resiliency, and economic development. This session will examine the U.S.-India energy relationship and explore options for greater engagement between U.S. states, Indian states, and the private sector on shared energy challenges and opportunities.

Moderator:

Robert Jackson, Director, Energy Office, Michigan Agency for Energy; Chair, NASEO Government Affairs Committee; Chair, NASEO Board of Directors

Presenters:

Warren Harris, Chief Executive Officer and Managing Director, Tata Technologies
Moises Behar, Energy Officer, Office of Renewable Energy and Energy Efficiency, Bureau of Energy Resources, U.S. Department of State
G. Ganesh Das, PhD, Chief Operating Officer, Tata Clean Energy International Incubation Centre; Head - Strategy, Business Excellence and Collaborations, Digital and Business Intelligence, Tata Power Delhi Distribution Limited

9:00 am – 9:30 am (*Venetian Ballroom, Fourth Floor*)

The Electric Vehicle Market: 30 Million Electric Vehicles by 2030

Automakers and other transportation manufacturers are setting ambitious electric vehicle (EV) production goals for the coming years and are releasing long-range EVs in states across the country, with some estimates projecting that there will be 30 million EVs on the road globally by 2030. Despite these exciting developments, there are still significant barriers to wide-scale adoption of electric vehicles, including lack of urban and corridor infrastructure, inconsistent signage and usage standards, and a significant "education gap" among would-be EV drivers. During this session, automaker executives will share insights on their EV production and

deployment strategies and will highlight key challenges that must be overcome for EVs to truly take hold.

Moderator:

Sumesh Arora, PhD, Director, Energy and Natural Resources Division, Mississippi Development Authority

Presenters:

Britta Gross, Director, Advanced Vehicle Commercialization Policy, General Motors
Mark Kaufman, Global Director, Electric Vehicle Marketing and Distribution, Ford Motor Company

9:30 am – 9:45 am (*Venetian Ballroom, Fourth Floor*)

Greening the Fleet: Lessons from Electrifying Public School Buses in Michigan

School districts across the country are launching electric school bus pilots in an effort to decrease emissions and improve the efficiency and experience of pupil transport. These projects are expected to increase in the years ahead, as many states are expected to invest a portion of their Environmental Mitigation Trust allocation from the Volkswagen Settlement into electrified buses and transit. During this session, the Michigan Association for Pupil Transportation will share information on their Electric School Bus Pilot Project and identify early lessons learned.

Moderator:

Jan Patrick, Manager, Michigan Agency for Energy

Presenter:

Howard “Mac” Dashney, Senior Advisor, Michigan Association for Pupil Transportation

9:45 am – 10:15 am (*Venetian Ballroom, Fourth Floor*)

Evaluating the Effectiveness of Policies at Advancing Electric Vehicle Adoption

NASEO, in partnership with Cadmus Group, has developed a methodology (to be released in September 2018) for evaluating the impact of state and local policies on plug-in electric vehicle (EV) adoption across the country. The methodology and associated rubric were designed for Electrify America to use when considering potential metro areas for Cycle 2 zero-emission vehicle infrastructure investment and allows the user to evaluate the strengths and weaknesses of all EV-related policies in a given metro area. During this session, NASEO and Cadmus Group will provide an overview of the methodology and how states and cities can use this tool to evaluate the effectiveness of EV policies. In addition, Electrify America will share insights on the use of this policy tool from a business perspective.

Moderator:

Robert Jackson, Director, Energy Office, Michigan Agency for Energy; Chair, NASEO Government Affairs Committee; Chair, NASEO Board of Directors

Presenters:

Cassie Powers, Senior Program Director, NASEO

Geoff Morrison, Senior Associate, Sustainable Transportation Practice, Cadmus Group

Michael Tubman, Manager, State Government Affairs and Public Policy, Electrify America

10:30 am – 11:45 am

Concurrent Sessions

- **Breakout 1: Creating a Coordinated Electric Vehicle Charging Network: Leveraging Public Funds to Catapult Private Investment** (*Crystal Ballroom, Fourth Floor*)

This session is a deep-dive into program design, funding sources, past results, lessons learned, and how the programs have changed in response to a rapidly evolving market. State experts and leading electric vehicle (EV) infrastructure providers will identify the needs and opportunities in building a comprehensive EV infrastructure network.

Moderator:

Laura Rennick Andersen, Energy Bureau Chief, Montana Department of Environmental Quality; Member, NASEO Board of Directors

Presenters:

Christian Williss, Director, Transportation Fuels and Technology, Colorado Energy Office

Anne Smart, Vice President for Public Policy for North America, ChargePoint

Matt Nelson, Director of Government Affairs, Electrify America

Chuck Conlen, Vice President, DTE Energy

- **Breakout 2: Energy-Water Nexus: Findings of the NASEO-NCSL and Wastewater Treatment Case Study Spotlight** (*Woodward CD Ballroom, Second Floor*)

This session will present the findings from a set of groundbreaking research reports crafted by NASEO and the National Conference of State Legislatures on how states are bridging the energy-water nexus. Practical results will also be showcased through a case study presentation on efficiency in wastewater treatment using the APOLLO platform and data analytics to improve facilities' energy use.

Moderator:

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

Presenters:

Mahesh Lunani, Founder and Chief Executive Officer, Aquasight

Sam Cramer, Program Manager, NASEO

Glen Andersen, Director, Energy Program, National Conference of State Legislatures

- **Breakout 3: Keeping the Lights on Through Microgrids: Strengthening Resiliency to Address Threats to Grid Stability** (*Founders AB Room, Third Floor*)

Highly destructive natural disasters have illustrated the fragility of critical infrastructure including emergency services, healthcare, and water treatment during long-term electricity outages. One pathway to increase the resiliency of critical infrastructure amidst disruptions to grid systems is developing nano- or micro-grids, particularly those that incorporate solar photovoltaics and energy storage. Research is limited with respect to how much critical infrastructure could benefit from resilience solutions, how many states have pursued this approach, and what policies need to be in place to support more widespread deployment. This session will explore the policy landscape for improved resilience and the role that state, federal, and private actors are playing to facilitate market opportunities for microgrids.

Moderator:

Tracy Babbidge, Bureau Chief, Bureau of Energy and Technology Policy, Connecticut Department of Energy and Environmental Protection

Presenters:

Kenya Stump, Assistant Director, Kentucky Office of Energy Policy
Elizabeth Doris, Principal Laboratory Program Manager, National Renewable Energy Laboratory

12:00 pm – 1:00 pm (*Woodward AB Ballroom, Second Floor*)

Keynote Lunch: Cybersecurity, Critical Infrastructure, and Energy: Intersections and Policy Opportunities

Moderator:

David Terry, Executive Director, NASEO

Presenter:

Robert Knake, Whitney Shepardson Senior Fellow, Council on Foreign Relations; Senior Research Scientist, Northeastern University's Global Resilience Institute

1:15 pm – 2:15 pm (*Venetian Ballroom, Fourth Floor*)

Smarter Together: Integrating Electric Vehicles, Buildings, and the Grid for Greater Efficiency, Intelligence, Resiliency, and Mobility (A Joint Discussion of NASEO and OurEnergyPolicy.org)

Greater integration between electric vehicles, buildings, and the grid offers opportunities for improved energy use management, communications between energy assets, energy affordability, and mobility. This dynamic discussion session will highlight policy and technology strategies to achieve these significant benefits. This session is hosted in partnership with OurEnergyPolicy.org, whose mission is to facilitate substantive, responsible dialogue on energy

policy issues, and provide this dialogue as a resource for the American people, policymakers, and the media. OurEnergyPolicy.org will host a follow-up policy discussion on this topic through its online policy forum.

Moderator:

Maria Redmond, Director, Office of Energy Innovation, Wisconsin Public Service Commission; Co-Chair, NASEO Transportation Committee; Member, NASEO Board of Directors

Presenters:

Kevin Mehren, Program Manager, OurEnergyPolicy.org (**Introductions**)
Jim Saber, President and Chief Executive Officer, NextEnergy
James Leverette, Senior Research Engineer, Southern Company

2:15 pm – 3:30 pm (*Venetian Ballroom, Fourth Floor*)

Energy Cybersecurity: An Ever-Present Threat with Crosscutting Solutions

The nation's energy infrastructure is increasingly interconnected and distributed. This evolution is driven by the growing integration of information technology and additional security risks. With different policy considerations and regulatory requirements for the local distribution grid, this panel will explore how states can balance the deployment of technologies with new threats to the operation of the nation's most critical energy infrastructure.

Moderator:

Tristan Vance, Director, Indiana Office of Energy Development; Member, NASEO Board of Directors

Presenters:

Push Kumar, Director, Preparedness and Exercises, Infrastructure Security and Energy Restoration, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy
Craig Miller, Chief Scientist, National Rural Electric Cooperative Association
Scott Aaronson, Vice President, Security and Preparedness, Edison Electric Institute
Michael Hyland, Senior Vice President, Engineering Services, American Public Power Association

3:45 pm – 5:00 pm

Concurrent Sessions

- ***Breakout 1: Strengthening States' Energy Emergency Preparedness and Response Capabilities: Challenges and Lessons Learned*** (*Crystal Ballroom, Fourth Floor*)

This NASEO Energy Security Committee hosted facilitated discussion will explore how states can engage with local governments and identify gaps in current state energy assurance and response plans to improve cybersecurity, fuel coordination, and multi-state planning and response.

Moderators:

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

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

Presenters:

Kate Marks, Senior Advisor, Infrastructure Security and Energy Restoration Division, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

Alex Morese, Manager, Energy Security, Michigan Agency for Energy

Jill Nordstrom, Data and Program Section Manager, Lead for ESF12 – Energy, Energy Division, Washington State Department of Commerce

- ***Breakout 2: Creating Policy in the Grid Modernization Era with Equity in Mind***
(Woodward CD Ballroom, Second Floor)

States across the country have robust low-income programs to support efficiency within new and existing buildings, such as Weatherization and Low Income Home Energy Assistance Program (LIHEAP). As new technologies are introduced to market, however, many low-income and disadvantaged populations are unable to reap the benefits of these innovations because they fall outside of existing programs. During this session, participants will explore how states can structure programs and policies that support grid modernization, technological advancement, and other innovative energy solutions while enabling adoption across all segments of the population.

Moderator:

Michael Furze, Assistant Director, Energy Division, Washington State Department of Commerce; Member, NASEO Board of Directors

Presenters:

Krystal Laymon, Policy Advisor, Strategic and Interagency Initiatives, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Diana Hernandez, PhD, Assistant Professor, Sociomedical Sciences, Mailman School of Public Health, Columbia University

Ken Alston, Investment Manager, California Clean Energy Fund

- ***Breakout 3: Public-Private Financing Partnerships for Resiliency in Mission-Critical Facilities***
(Founders AB Room, Third Floor)

Keeping public facilities such as hospitals, police and fire stations, and municipal command centers operational during natural and man-made disasters is essential to a quick and lasting recovery. Innovative financing offers facility owners the opportunity to make much-needed energy efficiency, renewable energy, microgrid, and other resiliency

upgrades without straining limited capital budgets. This session will highlight various financing options –including their strengths and challenges—to promote efficiency, resiliency, and comfort even in trying times.

Moderator:

Daren Zigich, Engineering Technology Program Manager, Energy Conservation and Management Division, New Mexico Energy, Minerals and Natural Resources Department

Presenters:

Russell Garcia, PhD, Director-Higher Education, North America, Johnson Controls, Inc.

Tim Farkas, Director of Finance, Ameresco

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

Dale Hahs, State Liaison Team Manager, Energy Services Coalition

5:30 pm – 7:30 pm (5200 Woodward Avenue, Detroit, MI 48202)

Reception at the Detroit Institute of Arts

The Detroit Institute of Arts (DIA) is home to one the largest art collections in the country. The original museum, which was founded in 1885, was relocated to its current location designed by Paul Philippe Cret in 1927. The DIA is comprised of more than 100 galleries featuring American, European, Modern and Contemporary, and Graphic art. NASEO will host its reception in the Rivera Court which is home to Mexican Artist Diego Rivera's Detroit Industry murals.

Wednesday, September 26

Day 3: Financing, Planning, and Take-Aways

8:00 am – 8:15 am (Venetian Ballroom, Fourth Floor)

Passing the Baton: Honoring NASEO's Leaders

In this session, NASEO's Board will acknowledge the significant contributions of NASEO's outgoing Chair, Robert Jackson of Michigan, and welcome NASEO's incoming Chair.

Presenters:

David Terry, Executive Director, NASEO

Robert Jackson, Director, Energy Office, Michigan Agency for Energy; Past Chair, NASEO Board of Directors

Incoming Chair, NASEO Board of Directors

8:15 am – 9:00 am (Venetian Ballroom, Fourth Floor)

Getting Deals Done: Lessons from Establishing Green Banks and Other Financial Programs to Fund Clean Energy Development

As states and cities set increasingly ambitious clean energy and resiliency goals, innovative and strategic investment by the public and private sectors will be crucial drivers for success. However, developing new and innovative ways to engage private capital using public dollars is critical to ensuring that clean energy investments can access the capital they need to finance various projects. Speakers in this session will discuss their processes for developing Green Banks in their states, as well as the challenges inherent in scaling up financial products from infancy to eventual Green Bank use.

Moderator:

Taresa Lawrence, PhD, Deputy Director, Energy Administration, District Department of Energy and Environment

Presenters:

Kathleen Staks, Director, Colorado Energy Office; Co-Chair, NASEO State-Local Committee; Member, NASEO Board of Directors
Thomas Myers, Client Services Director, Wisconsin Energy Conservation Corporation
Tracy Babbidge, Bureau Chief, Bureau of Energy and Technology Policy, Connecticut Department of Energy and Environmental Protection
Bill Prindle, Vice President, ICF International

9:00 am – 9:45 am (*Venetian Ballroom, Fourth Floor*)

Energy Efficiency Jobs: From Data to Action

More than two million professionals compose the U.S. energy efficiency workforce. Effective training, job placement, and policy initiatives can ensure energy efficiency continues to be a job creator and driver. This session will present strategies and case studies highlighting successful initiatives, programs, and policies for energy efficiency jobs.

Moderator:

Chad Kruse, Manager, Office of Energy, Illinois Environmental Protection Agency

Presenters:

Pat Stanton, Director of Policy, E4TheFuture
Kevin Doyle, President, Green Economy

9:45 am – 11:00 am (*Venetian Ballroom, Fourth Floor*)

State Comprehensive Energy Planning Roundtable: Practical Examples and Proven Results

This session will provide an update from states with recently completed statewide energy plans and offer guidance on how states undergoing the planning process can encapsulate and plan for their rapidly changing energy markets.

Moderator:

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

Presenters:

Andrea Kreiner, Director, Delaware Division of Clean Energy and Climate
Will Payne, Chief Deputy, Virginia Division of Mines, Minerals, and Energy
Alan Zelenka, Assistant Director for Planning and Innovation, Oregon Department of Energy

11:00 am – 11:30 am (*Venetian Ballroom, Fourth Floor*)

U.S. State Energy Program and Weatherization Update

This session will present an update on guidance and priorities, as well as technical assistance offerings from the U.S. Department of Energy's Office of Weatherization and Intergovernmental Programs, which oversees the U.S. State Energy Program and Weatherization Assistance Program.

Moderator:

Michelle Gransee, State Energy Office Manager, Clean Energy and Programs, Minnesota Department of Commerce

Presenter:

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

11:30 am – 12:00 pm (*Venetian Ballroom, Fourth Floor*)

Washington Update

This discussion with NASEO's General Counsel will provide the latest news on Congressional and federal agency priorities and the outlook for energy policy.

Moderator:

David Terry, Executive Director, NASEO

Presenter:

Jeff Genzer, General Counsel, NASEO

12:00 pm (*Venetian Ballroom, Fourth Floor*)

Meeting Adjourn

12:00 pm – 4:30 pm

Optional Guided Tours (\$25.00 fee Per Person to Reserve Seat on Tour. Space is Limited)

- **High-Performance Manufacturing: General Motors' Detroit-Hamtramck Plant Tour (12:00 pm – 2:30 pm)**
The Detroit-Hamtramck Plant which is among General Motors' (GM) most complex Manufacturing Assembly facilities in North America building four vehicles on one production line. It is GM's only plant located in Detroit and is the epicenter of electric

vehicle production producing all of GM's extended-range electric vehicles. The plant site includes a 16.5-acre wildlife habitat conservation area, 30kW solar carport capable of simultaneously charging up to 10 electric vehicles, and the state's largest ground-mount solar array capable of providing 10 percent of the fixed demand for the plant.

- **The History of American Innovation: Henry Ford Museum Tour (12:00 pm – 4:30 pm)**
The Henry Ford Museum of American Innovation is a national historic landmark founded by automobile industrialist Henry Ford to preserve artifacts which exemplifies the America's spirit of creativity and innovation.