



NASEO 2017 Annual Meeting
Energy Economy Transformation: States and Communities Take the Helm
September 17 – 20, 2017
Hilton New Orleans Riverside, New Orleans, LA

Pre-Conference Meetings:

Sunday, September 17, 2017

8:00 am – 4:00 pm

Conference Registration (*Third Floor Registration Counter*)

10:00 am – 12:00 pm

U.S. State Energy Program Competitive Project Meeting (*Quarterdeck B and C, Riverside Building*) (*State Energy Offices by Invitation Only*)

The U.S. Department of Energy's Office of Weatherization and Intergovernmental Programs will convene states awarded under the U.S. State Energy Program (SEP) competitive process and will cover two topics: engaging stakeholders and cultivating energy efficiency champions. Stakeholder engagement is fundamental to the success of many SEP Competitive awards. Through a facilitated discussion, states will learn from one another what best practices they can implement in their projects, and what lessons can be learned from completed projects. Energy efficiency projects often require a champion – or multiple champions – to achieve success. States will learn how best to identify and groom energy efficiency champions and how to deal with cynics.

1:00 pm – 2:30 pm

National Energy Efficiency Registry Project Team Meeting (*Bridge Room, Riverside Building*) (*By Invitation Only*)

The Tennessee Office of Energy Programs will convene a meeting of the National Energy Efficiency Registry project team.

2:45 pm – 4:00 pm

NASEO Regional Meetings (*NASEO State 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 Region Meeting** (*Quarterdeck B and C, Riverside Building*)

Moderators:

David Gipson, Director, Energy Resources Division, Georgia Environmental Finance Authority; Member, NASEO Board of Directors; Co-Chair, NASEO Energy Security Committee

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

- **NASEO Mid-Atlantic and Northeast Regions Meeting** (*Steering Room, Riverside Building*)

Moderator:

Marisa Slaten, Director, Division of Economic Development and Energy Policy, New Jersey Board of Public Utilities; Member, NASEO Board of Directors

- **NASEO Central Region Meeting** (*Compass Room, Riverside Building*)

Moderators:

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

David Bracht, Director, Nebraska Energy Office; Member, NASEO Board of Directors

- **NASEO Western Region Meeting** (*Chart C Room, Riverside Building*)

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

- **NASEO Midwest Region Meeting** (*Chart A Room, Riverside Building*)

Moderators:

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

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

4:15 pm – 5:30 pm

NASEO Board of Directors Meeting (*Quarterdeck B and C, Riverside Building*) (*NASEO State 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, Regional/National Response Division, Michigan Agency for Energy; Chair, NASEO Board of Directors; Chair, NASEO Government Affairs Committee

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

5:30 pm – 6:00 pm

NASEO Annual Business Meeting (*Quarterdeck B and C, Riverside Building*) (*NASEO State 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'18 budget.

6:00 pm – 7:00 pm

NASEO Affiliate Members' Reception (*Compass Room, Riverside Building*) (*NASEO State and Affiliate Members and Invited Guests Only*)

This reception will provide states with the opportunity to network with [NASEO's private sector Affiliate partners](#).

Conference:

Monday, September 18, 2017 - Harnessing Planning, Innovation, and Partnerships for Energy and Economic Security

The opening day of the NASEO 2017 Annual Meeting will explore several interrelated themes, including:

- **Cyber and Physical Security:** *hardening energy systems against threats and understanding evolving risks from cyber-attacks, changing climate, and economic changes*
- **Intelligent and Resilient Energy Systems:** *advancing grid and economic benefits through smart, interconnected energy systems, distributed energy resources, and the utility of the future*
- **Technology Innovation:** *understanding cutting-edge innovations and systems, and what they mean for our energy policy future*

7:00 am – 4:00 pm

Conference Registration (*Third Floor Registration Counter*)

7:00 am – 4:00 pm

Exhibitor Hall (*The District, Third Floor*)

8:00 am – 8:30 am

Welcome and Opening Remarks (*St. Charles Ballroom, Third Floor*)

The NASEO 2017 Annual Meeting convenes state, local, and private sector leaders of breakthrough, innovative, and effective energy policies and programs for a series of discussions on the future of U.S. energy systems and technologies. This opening session sets the stage for our conference.

Presenters:

David Terry, Executive Director, NASEO

Robert Jackson, Director, Regional/National Response Division, Michigan Agency for Energy; Chair, NASEO Board of Directors; Chair, NASEO Government Affairs Committee

Paul Miller, Director of Energy, Technology Assessment Division, Louisiana Department of Natural Resources; Parliamentarian, NASEO Board of Directors

Thomas Harris, Secretary, Louisiana Department of Natural Resources

8:30 am – 9:00 am

Keynote: LNG Market Outlooks: Satisfying Export and Domestic Needs in the Face of Unpredictable Demand *(St. Charles Ballroom, Third Floor)*

Buoyed by abundant supplies of shale gas from Pennsylvania and Texas, the U.S. Liquefied Natural Gas (LNG) market has experienced a marked shift in focus from import to export. Two LNG export terminals currently exist in the country; yet another 15 have been approved, of which 11 are already under construction; and in 2016, Shell announced its plan to break ground on a multibillion-dollar, 600-job petrochemical complex in Potter, Pennsylvania. This session will explore the current market and outlook for LNG exports through the lens of changing global and domestic demand.

Moderator:

Paul Miller, Director of Energy, Technology Assessment Division, Louisiana Department of Natural Resources; Parliamentarian, NASEO Board of Directors

Presenter:

Robert Fee, Chief of Staff, Cheniere Energy, Inc.

9:00 am – 9:45 am

Panel Discussion: Our Changing Energy Resource and Demand Mix, Grid Impacts, and Implications for Regional, State, and Local Markets *(St. Charles Ballroom, Third Floor)*

The falling price of renewables combined with low-price natural gas markets is producing rapid shifts in the nation's generation mix as utilities work to take advantage of these new trends. Speakers will discuss how these changes are affecting grid reliability, transmission infrastructure, and electricity markets as traditional generation is put under strain.

Moderator:

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

Presenters:

Bruce Rew, Vice President of Operations, Southwest Power Pool
Mario Hurtado, Vice President of Development, Clean Line Energy Partners

9:45 am – 10:00 am

Networking Break *(The District, Third Floor)*

10:00 am – 10:45 am

Panel Discussion: State Energy Office and Public Utility Commission Perspectives on Energy Markets and Policy Innovations *(St. Charles Ballroom, Third Floor)*

State Energy Officials and Public Utility Commissioners each serve a crucial and complementary role in framing their states' energy policy and regulatory landscapes. This session will feature insights from former state energy office leaders who now use their policy expertise to lead regulatory utility commissions.

Moderator:

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

Presenters:

Marion Gold, PhD, Commissioner, Rhode Island Public Utilities Commission
Jeff Ackermann, Chairman, Colorado Public Utilities Commission

10:45 am – 11:15 am

Carbon Capture, Utilization, and Storage Technology Innovations (*St. Charles Ballroom, Third Floor*)

According to the U.S. Department of Energy, fossil fuel power plants continue to represent a significant source of greenhouse gas emissions in the United States; furthermore, both coal-fired and natural gas power plants will continue to be a major source of global energy production for decades to come. This session will explore the successes and challenges faced by several major Carbon Capture and Storage (CCS) demonstration projects, including Petra Nova, Archer Daniels Midland, and Air Products.

Moderator:

Andrea Holl Pfennig, Energy Outreach and Special Programs Administrator, Division of Community Services, North Dakota Department of Commerce

Presenter:

Andrew Hlasko, Program Manager for Large Carbon Management Projects, Office of Advanced Fossil Technology Systems, Office of Fossil Energy, U.S. Department of Energy

11:15 am - 12:00 pm

State Regional Energy Assurance and Resilience Planning and Coordination (*St. Charles Ballroom, Third Floor*)

As the main federal authority for ensuring reliable and secure energy supplies, the U.S. Department of Energy (DOE) works closely with states and local governments, tribes, and the private sector—each with different responsibilities in overseeing day-to-day operations and mitigating threats to the energy system. These threats are evolving rapidly: hazards such as cyberterrorism and the changing role of consumers and key suppliers are creating new and unique risks that challenge traditional planning and response functions. Building on the Administration’s security focus and recent policy recommendations for improving state-level coordination, education, and exercises, this session will solicit state input to inform DOE’s portfolio of security and regional interdependencies tools and capabilities that aim to bolster state and local resilience and response with these fluid vulnerabilities in mind.

Moderator:

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

Presenters:

Matthew Duncan, State, Local, Tribal, and Territorial Energy Assurance Program Manager, Infrastructure Security and Energy Restoration Division, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy

Kate Marks, Director for State, Local, and Tribal Policy Analysis, Office of Energy Policy and Systems Analysis, U.S. Department of Energy

12:15 pm – 1:15 pm

Keynote Lunch: Disaster Intelligence: A Key Strategy for Energy Emergency Preparedness and Response (*St. James Ballroom, Third Floor*)

Disaster intelligence combines data, technology, and human expertise to mitigate and prepare for a wide variety of events and disruptions. This session will explore ways to apply disaster intelligence to states' energy emergency preparedness and response strategies.

Moderator:

David Gipson, Director, Energy Resources Division, Georgia Environmental Finance Authority;
Member, NASEO Board of Directors; Co-Chair, NASEO Energy Security Committee

Presenter:

Liz Dalton, Global Lead, Energy and Climate Resilience, One Concern

1:30 pm – 2:00 pm

Pecha Kucha: Energy Policy and Technology Ideas Shaping our Economy and Future (*St. Charles Ballroom, Third Floor*)

In the Pecha Kucha presentation style, there will be a total of 20 slides shown for 20 seconds each to tell a concise, curated, and dynamic story of new energy ideas.

Moderator:

Dave Althoff, Manager, Office of Pollution Prevention and Energy Assistance, Pennsylvania Department of Environmental Protection

Presenters:

Rick Counihan, Head of Energy Regulatory and Government Affairs, Nest
Thomas Reddoch, Senior Technical Executive, Power Delivery and Utilization, Electric Power Research Institute
Bruce Biewald, Chief Executive Officer, Synapse Energy Economics
Chris Baker, Project Executive, The Weidt Group; Affiliates Co-Chair, NASEO Buildings Committee

2:00 pm – 2:30 pm

U.S. State Energy Program and Weatherization Update (*St. Charles Ballroom, Third Floor*)

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, Division of Energy Resources, Minnesota Department of Commerce

Presenter:

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

2:45 pm – 3:45 pm

Concurrent Breakout Sessions

Breakout 1: The Energy-Water Nexus: Innovations in Wastewater Treatment, Water Distribution, and Irrigation Systems (*Canal Room, Third Floor*)

The linkages between energy use and water use offer opportunities to maximize efficiency and reliability in both sectors. This session will feature efforts to optimize the energy-water nexus in different sectors of state and local economies, including pumped storage projects, electricity generation from water infrastructure, and improving the efficiency of irrigation systems and wastewater treatment plants.

Moderator:

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

Presenters:

Ben Bolton, Energy Programs Administrator, Office of Energy Programs, Tennessee Department of Environment and Conservation

David Bracht, Director, Nebraska Energy Office; Member, NASEO Board of Directors

Christopher Peot, Director of Resource Recovery, District of Columbia Water and Sewer Authority

Breakout 2: Point-Counterpoint: What State Energy Officials Should Know About Beneficial Electrification (Royal Room, Third Floor)

Buildings, vehicles, and other non-traditional end-uses are increasingly switching to electricity as their primary power source. While “beneficial electrification” is gaining traction among electric cooperatives and utilities, other industries champion other fuel sources as more efficient. This debate-style session will offer divergent viewpoints and highlight the pros and cons of widespread electrification.

Moderator:

Jeff Genzer, General Counsel, NASEO

Presenters:

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

Kyle Rogers, Vice President, Government Relations, American Gas Association

Breakout 3: Bridging the Divide: Innovative Energy Programs to Reach and Connect Rural Markets (Commerce Room, Third Floor)

Home to significant agricultural, manufacturing, and energy development activity, rural areas contribute significantly to the U.S. energy economy. Yet, many energy efficiency and renewable energy programs designed for urban and suburban customers fail to reach more remote markets adequately, which can place upward pressure on states’ energy demand and limit effective management of energy use. This session will examine the unique challenges and opportunities associated with delivering energy efficiency and renewable energy to rural areas and will feature an innovative initiative from Wisconsin, which combines rural broadband investments with energy efficiency opportunities to help rural communities “Get Connected, Use Energy Smarter.”

Moderator:

Rick Bender, Executive Advisor, Kentucky Department of Energy Development and Independence

Presenters:

Jolene Sheil, Director, Focus on Energy, Wisconsin Public Service Commission

Paul Grimyser, Project Manager, APTIM

Concurrent Committee Meetings

4:00 pm – 5:45 pm

Energy Security Committee: Supporting Energy Resilience and Reliability through State, Local, and Private Sector Coordination (Canal Room, Third Floor)

Disruptions to the nation's energy infrastructure affect the ability of communities to function and thrive in today's technology-driven culture. Energy systems are particularly vulnerable because of their interactions with other systems (e.g., transportation, agriculture, finance). State, local, and public-private partnerships can help improve response efforts. This Energy Security Committee session will feature presentations on how states and private sector organizations can coordinate with localities to enhance energy resilience and reliability.

Committee Co-Chairs:

David Gipson, Director, Energy Resources Division, Georgia Environmental Finance Authority; Member, NASEO Board of Directors; Co-Chair, NASEO Energy Security Committee
Megan Levy, Local Energy Programs Manager, Office of Energy Innovation, Wisconsin Public Service Commission; Co-Chair, NASEO Energy Security Committee

Presenters:

Alex Morese, Manager, Emergency Management Section, Michigan Agency for Energy
Sara Krupa, Coastal Resource Scientist Supervisor, Interagency Affairs/Field Services Division, Louisiana Department of Natural Resources
Cooper Martin, Program Director, Sustainable Cities Institute, National League of Cities
Suzanne Lemieux, Manager, Midstream and Industry Operations, American Petroleum Institute
Jeff Pillon, Director of Energy Assurance, NASEO

Transportation Committee: Challenges and Opportunities for Vehicle Electrification (Royal Room, Third Floor)

With the growing popularity of electric vehicles (EVs), states are exploring new ways to identify and resolve pending barriers to EV adoption in order to meet their energy security, economic development, and environmental goals. Simultaneously, the Volkswagen (VW) Settlement has provided states with a significant opportunity to support alternative fuel vehicles. This Transportation Committee session will present the latest research on EV consumer behavior and the impact of EVs on electricity rates, and will explore current initiatives to incorporate alternative fuel vehicles (AFVs) into emergency planning. In addition, attendees will engage in a roundtable discussion on state-led activities under the VW Settlement and other AFV initiatives.

Committee Co-Chairs:

Maria Redmond, Director, Office of Energy Innovation, Wisconsin Public Service Commission; Member, NASEO Board of Directors; Co-Chair, NASEO Transportation Committee
Alexa Voytek, Program Manager/Energy Analyst, Office of Energy Programs, Tennessee Department of Environment and Conservation; Co-Chair, NASEO Transportation Committee

Presenters:

Gil Tal, PhD, Research Director, The Plug-In Hybrid and Electric Vehicle Research Center, Institute of Transportation Studies, University of California-Davis

Brian Jones, Senior Vice President, M.J. Bradley and Associates, LLC
Gus Block, Director of Marketing and Corporate Development, NUVERA Fuel Cells
Todd Mouw, Vice President, Sales and Marketing, ROUSH CleanTech

Financing Committee: Reaching Underserved Sectors Through Targeted Financing Programs
(Commerce Room, Third Floor)

While financing is a valuable tool for increasing the deployment of clean energy within a state, lower to lower-middle income and rural populations have a more difficult time accessing financing compared to other sectors of a state's economy. This session explores the efforts that state, federal, and private institutions have undertaken or are currently undertaking to increase financing availability to overcome this access issue, and share best practices.

Acting Committee Co-Chair:

John Warren, Director, Virginia Department of Mines, Minerals and Energy

Presenters:

Cady Lister, Chief Economist, Alaska Energy Authority
Matthew Brown, Principal, Harcourt Brown and Carey
Thomas Neyhart, Chief Executive Officer, PosiGen

5:45 pm – 6:45 pm

Networking Reception *(The District, Third Floor)*

Sponsored by



Tuesday, September 19, 2017 - Greater Impact through Coordination: State and Local Solutions for Distributed Energy Resources, Access, and Resiliency

The Annual Meeting will continue with an examination of best practices from states, counties, and cities across the country on:

- **Equity:** *Addressing grid valuation concerns, access to mobility, and clean power to advance access to reliable, affordable, and local energy for all consumers*
- **State and Community Energy Planning:** *promoting multi-faceted, multi-sector planning, policies, and programs for greater efficiency, resiliency, and impact*

7:00 am – 4:00 pm

Conference Registration *(Third Floor Registration Counter)*

7:00 am – 4:00 pm

Exhibitor Hall *(The District, Third Floor)*

8:00 am – 8:45 am

Keynote: Our Near-Failing Grade: U.S. Infrastructure Challenges and Opportunities (*St. Charles Ballroom, Third Floor*)

U.S. energy and transportation systems are under considerable strain: infrastructure across the country is in need of updates, and there is poor alignment of funding to make necessary improvements. As infrastructure does evolve, however, there is an opportunity to build robust and resilient energy and transportation systems that improve users' experience and save energy. This keynote address will share insights on the challenges and opportunities for our nation's infrastructure from the American Society of Civil Engineers, whose 2017 U.S. Infrastructure Report Card gave the country a D+ based on the condition and performance of our major systems.

Moderator:

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

Presenter:

Norma Jean Mattei, PhD, P.E., F.SEI, F.ASCE; 2017 President, American Society of Civil Engineers; Professor and Past Chair, Department of Civil and Environmental Engineering, University of New Orleans

8:45 am – 9:45 am

Panel Discussion: Energy Burden: Transportation, Mobility, and Housing Challenges for Low-Income Households (*St. Charles Ballroom, Third Floor*)

Energy and transportation costs pose a major obstacle to affordability in communities and neighborhoods across the United States. The energy burden, defined as the proportion of household gross income used for energy expenditures, may be caused by low income, high energy bills, and lack of access to low-cost transit options. According to the American Council for an Energy-Efficient Economy, this energy burden is especially acute for low-income, African-American, Latino, and renter households. This session will explore how energy efficiency, location efficiency, and coordinated, multi-sector planning can alleviate this problem.

Moderator:

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

Presenters:

Ariel Drehobl, Research Analyst, Local Policy, American Council for an Energy-Efficient Economy
Scott Bernstein, Founder and Chief Strategy + Innovation Officer, Center for Neighborhood Technology
Kerene Tayloe, Policy Director, Green For All

9:45 am – 10:15 am

Public Facility and Infrastructure Modernization – Federal-State Collaboration Using Energy Savings Performance Contracts (*St. Charles Ballroom, Third Floor*)

The use of Energy Savings Performance Contracting (ESPC) to modernize public facilities and deliver energy and water efficiency in the state, local, and federal sectors continues to evolve, driven by technology innovations and robust private-sector financing. The result: a market of over \$5 billion annually in the state and local sectors alone. This special expert session explores lessons learned and

tools from the Federal Energy Management Program experience, highlights best practices in ESPC program design and management, and identifies new opportunities for state-federal collaboration

Moderator:

Christian Williss, Director of Programs and Initiatives, Colorado Energy Office; Co-Chair, NASEO Buildings Committee

Presenter:

Timothy Unruh, PhD, Deputy Assistant Secretary for Renewable Power, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

10:30 am – 12:00 pm

Concurrent Breakout Sessions

Breakout 1: Advancing Affordability, Equity and Health through Energy-Efficient Housing (Canal Room, Third Floor)

Investment in energy efficiency can yield positive energy and non-energy benefits, including bill savings, health improvements, and greater equity for underserved and minority members of the community.

This session will explore strategies states and communities can advance for the housing market.

Moderator:

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

Presenters:

Khalil Shahyd, Project Manager, Urban Solutions Program, Natural Resources Defense Council
Michael DiRamio, Strategic and Interagency Initiatives Manager, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Emily Levin, Managing Consultant for Program Strategies, Vermont Energy Investment Corporation

Andreanecia Morris, Executive Director, HousingNOLA

Breakout 2: The Role of Microgrids, Solar Energy, and Storage in Community Resiliency (Royal Room, Third Floor)

States and communities across the country are investing in new technologies to promote resiliency in the face of extreme weather events and other disruptions to “mission-critical” energy infrastructure and facilities. This session will explore on-the-ground applications and technologies used in community energy resiliency.

Moderator:

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

Presenters:

Chris Lotspeich, Director of Sustainability, Celtic Energy

Wally Mealiea, Senior Manager for Business Continuity Policy, Edison Electric Institute

Shawn Bennett, Advisor, Office of Energy Assurance, United States Air Force

Breakout 3: Energy Entrepreneurship and Workforce Development (Commerce Room, Third Floor)

The energy sector is very capital-intensive, requiring long-range financial and technical planning. However, technological advances are giving rise to a wide range of transformative entrepreneurial opportunities. This session will explore these opportunities, ways to de-risk technology development and deployment, and strategies to prepare the workforce.

Moderator:

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

Presenters:

Paula Glover, President and Chief Executive Officer, American Association of Blacks in Energy
Audrey Starkebaum Bragg, Senior Policy Analyst, E4TheFuture
John Logan, Owner, Eagle Green Energy

12:15 pm – 1:15 pm

Keynote Lunch: Intelligent Transportation and its Energy Impacts: Lessons and Opportunities for Shared Transportation and the Future of Mobility (St. James Ballroom, Third Floor)

Intelligent transportation systems are being implemented in communities throughout the country, often in concert with other energy-saving and “smart mobility” applications. During this keynote address, Car2Go’s Mike DeBonville will share insights from the car-share industry and discuss how shared mobility is impacting transportation energy use and travel demand.

Moderator:

Matthew Tuma, Deputy Director Planning and Innovation, Nevada Governor’s Office of Energy

Presenter:

Mike DeBonville, Business Development Manager, Car2Go

1:30 pm – 3:15 pm

Concurrent Breakout Sessions

Breakout 1: State Energy Planning Roundtable (Canal Room, Third Floor)

As states grapple with new trends and advances in energy technology, states are creating forward-thinking energy plans that set aggressive energy policies and provide data-driven metrics to measure progress toward achieving state goals. During this panel, representatives from states with recently updated State Energy Plans will discuss the planning process and their energy priorities.

Moderator:

Brian Selinger, Team Leader, Energy Office, Iowa Economic Development Authority

Presenters:

Jessica Burdette, State Energy Office Manager, Energy Efficiency, Assurance, and Operations, Division of Energy Resources, Minnesota Department of Commerce
Andy Popp, Manager of Energy Efficiency, Missouri State Energy Program, Missouri Division of Energy
Maeve Mason, Senior Energy Specialist, Energy Office, South Carolina Office of Regulatory Staff
Sam Cramer, Program Manager, NASEO

Breakout 2: Home Energy Labeling: A Market Transformation Opportunity (Royal Room, Third Floor)

Energy bills for a home are often the most expensive bill for home owners, yet very little information on a residence's energy use is typically available to a home buyer or renter. Home Energy Labeling offers an effective strategy to remedy this market failure by providing information, transparency, and predictability to home buyers. This session will explore tools such as the U.S. Department of Energy's Home Energy Score and RESNET's Home Energy Rating System which are making it simpler than ever for home buyers to get energy usage information and to make informed decisions about their purchases.

Moderator:

Becca Trietch, Chief Program Development, Rhode Island Office of Energy Resources

Presenters:

Patty Kappaz, Lead Analyst, CSRA Inc.

David Heslam, Executive Director, Earth Advantage

Carolyn Sarno Goldthwaite, Director of Buildings and Community Solutions, Energy Efficient Buildings, Senior Management Team, Northeast Energy Efficiency Partnerships, Inc.

Breakout 3: Demonstrating the Viability and Scalability of Low-income Community Solar: A Colorado Energy Office Pilot Project (Commerce Room, Third Floor)

In 2015, the Colorado Energy Office launched a low-income community solar demonstration project with two objectives: to reduce household energy burden for low-income subscribers, and to demonstrate the viability and scalability of developing community solar projects solely for low-income households. Once complete, a minimum of 1 MW of solar power will be installed and a cumulative total of 300 low-income households will be subscribed to the demonstration projects. This session will provide an overview of this innovative project and offer lessons learned and policy implications for state-level policymakers.

Moderator:

Joe Pereira, Director of Low-Income Energy Services, Colorado Energy Office

Presenters:

Elizabeth Doris, Laboratory Program Manager, National Renewable Energy Laboratory

Alexandra Aznar, Project Leader, National Renewable Energy Laboratory

Douglas Gagne, Project Manager, National Renewable Energy Laboratory

Emily Artale, Principal Engineer and Co-Owner, Lotus Engineering and Sustainability

3:30 pm – 5:30 pm

Concurrent Committee Meetings

Buildings Committee: Buildings, Grids, and Resilience: Integration and Lessons Learned (Canal Room, Third Floor)

The integration of the grid, buildings, efficiency, data, and onsite power is presenting new economic development and resilience opportunities daily. States, research laboratories, and private sector innovators are working in different ways across the commercial, residential, and institutional buildings markets to expand on what works, and rethink what does not. This Buildings Committee session provides a special focus on the latest developments in buildings-grid integration solutions and suggests its relevance to the states' work in making the built environment more sustainable, economic, and resilient. The session also captures some of the buildings program and code lessons learned that two

states discovered following major natural disasters. The session concludes with a look ahead at two NASEO Buildings Program activities for the coming year: Public Facilities Retrofits and ENERGY STAR.

Committee Co-Chairs:

Christian Williss, Director of Programs and Initiatives, Colorado Energy Office; Co-Chair, NASEO Buildings Committee

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

Presenters:

Roderick Jackson, Laboratory Program Manager, Buildings Research, National Renewable Energy Laboratory

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

Alex Pollard, Energy Efficiency Commercial Programs Manager, Massachusetts Department of Energy Resources

Chuck Silkman, Regional Director, Ameresco

Dale Hahs, State Liaison Team Manager, Energy Services Coalition

Katy Hatcher, ENERGY STAR National Manager, Public Sector, Climate Partnerships Division, Office of Air and Radiation, U.S. Environmental Protection Agency

State-Local Committee: Collaboration Opportunities for State and Local Energy and Sustainability Agencies (Royal Room, Third Floor)

As states, cities, and counties take on increasing responsibility for advancing clean energy and sustainability in their jurisdictions, the need for collaboration across different levels of government grows. What are the main priorities of local sustainability and resiliency agencies, and how can State Energy Offices best engage local partners on shared energy priorities? How can states and localities work together more effectively to unlock access to energy data in support of more effective planning and program implementation? This meeting of NASEO's newly-launched State-Local Committee will examine these issues and explore collaboration opportunities between State Energy Officials and organizations engaging local energy and sustainability agencies on the ground.

Committee Co-Chairs:

Kathleen Staks, Director, Colorado Energy Office; Co-Chair, NASEO State-Local Committee

Eric Coffman, Chief, Office of Energy and Sustainability, Department of General Services, Montgomery County, Maryland; Co-Chair, NASEO State-Local Committee

Presenters:

Riana Ackley, Senior Officer, Network Relations, ICLEI USA

Lacey Shaver, Community Engagement Manager, STAR Communities

Kelly Crandall, State and Local Policy, Institute for Market Transformation

Fuels and Grid Integration Committee: Electric System Transformation and the Grid of the Future (Commerce Room, Third Floor)

The national electric system is undergoing an unprecedented transformation, marked by the rapid pace of technological innovation, the widescale integration of distributed energy resources, growing confidence and certainty in emerging energy markets, and the emerging potential of storage. This shift has brought with it new opportunities for commercial and residential consumers to control how, when, and even if they use electricity. While this paradigm shift has led to a more empowered consumer,

pressure is mounting in the traditional energy industry to adapt to new challenges and business opportunities from new technologies, business practices, and partners. Meanwhile, states are responsible for facilitating and guiding this process amidst the ever-changing landscape of a modern electric grid. This Fuels and Grid Integration Committee session will discuss how new technology is reshaping the traditional electric system, explore the rise of the so-called "prosumer", and identify the opportunities, risks, and implications this transformation might have on the energy industry and state energy policies.

Committee Co-Chairs:

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

Chris Yunker, Energy Systems and Planning Program Manager, Hawaii State Energy Office; Co-Chair, NASEO Fuels and Grid Integration Committee

Deana Dennis, Senior Manager, External and Government Affairs, Electric Power Research Institute; Affiliates Co-Chair, NASEO Fuels and Grid Integration Committee

Presenters:

Caitlin Callaghan, PhD, Chemical Engineer and Program Lead, Electricity Policy Technical Assistance Program, Transmission Permitting and Technical Assistance Division, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy

Erin Hiatt, Director of Energy, Sustainability, and Research, Retail Industry Leaders Association

Abby Hopper, President and Chief Executive Officer, Solar Energy Industries Association

Kiran Kumaraswamy, Market Development Director, AES Energy Storage

Shawn Bennett, Advisor, Office of Energy Assurance, United States Air Force

Teja Kuruganti, Senior Research and Development Staff Member, Computational Sciences and Engineering Division, Oak Ridge National Laboratory

Wednesday, September 20, 2017

Climate and Air Partnerships: U.S. State and Local Governments in a Shifting Global Landscape

*The Annual Meeting will conclude with a focus on energy-related **environmental and sustainability issues** from local, state, and international perspectives.*

7:00 am – 10:00 am

Conference Registration (*Third Floor Registration Counter*)

7:00 am – 10:00 am

Exhibitor Hall (*The District, Third Floor*)

8:00 am – 8:30 am

Keynote: The Global Challenge with Local Implications: How States and Cities are Advancing a U.S. Climate Policy (*St. Charles Ballroom, Third Floor*)

While the United States' recent withdrawal from the Paris Climate Agreement and other Administration policy changes mean less federal pressure to reduce greenhouse gas emissions, many cities, states, and businesses continue to pursue lower emissions levels by setting aggressive renewable energy and energy efficiency policies and acting to mitigate the impacts of climate change. During this session, Dr. Rosina Bierbaum will draw from her work on the National Climate Assessment and extensive academic background to discuss the evolution and fluctuations of national, state, and local energy and climate

policy, and will explore how states can use data, scientific knowledge, and market-friendly policies to address the climate challenge.

Moderator:

Dan Burgess, Deputy Commissioner and Chief of Staff, Massachusetts Department of Energy Resources

Presenter:

Rosina Bierbaum, PhD, Professor, University of Michigan School for Environment and Sustainability

8:30 am – 9:30 am

Panel Discussion: Corporate Climate Change and Clean Energy Commitments (*St. Charles Ballroom, Third Floor*)

Many large corporations, recognizing the economic value of energy efficiency and renewable energy, have made firm commitments to clean energy and greenhouse gas emissions reductions. This session will explore the rationale and business case for their investments.

Moderator:

Mary Beth Tung, PhD, Director, Maryland Energy Administration

Presenters:

Seth Roberts, Vice President, Business Operations, The Dow Chemical Company
Rachel Nance, Director, Regional Government Affairs, Xcel Energy
Brad Parkhurst, Electricity Sourcing Leader, Owens Corning

9:30 am – 10:30 am

Panel Discussion: Cleaner through Collaboration: State, City, and International Energy and Climate Partnerships (*St. Charles Ballroom, Third Floor*)

Cities and regions representing nearly one-fifth of the world's population, among them U.S. states and communities, have committed to concrete actions, commitments, and plans in response to climate change. This panel discussion will explore opportunities for greater sub-national and international cooperation in support of climate, energy, and economic development goals.

Moderator:

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

Presenters:

Kartikeya Singh, PhD, Deputy Director and Fellow, Wadhvani Chair in U.S.-India Studies, Center for Strategic and International Studies
Ben Springer, Senior Policy Advisor, Energy and Environment, British Embassy
Mark Glick, Faculty and Specialist on Energy Policy and Innovation, Hawaii Natural Energy Institute, University of Hawaii at Manoa

10:30 am – 11:15 am

Panel Discussion: Volkswagen Settlement (*St. Charles Ballroom, Third Floor*)

The Volkswagen (VW) Settlement offers states an opportunity to invest in a variety of projects and programs that will decrease emissions and support alternative fuel use. This session will offer views and news from several states as they work toward responding to the VW Settlement opportunity and implement alternative fuel projects under the Environmental Mitigation Trust.

Moderator:

Mike Hornsby, Chief Project Development Officer, Office of Policy and Planning, New Jersey Board of Public Utilities

Presenters:

Chris Yunker, Energy Systems and Planning Program Manager, Hawaii State Energy Office; Co-Chair, NASEO Fuels and Grid Integration Committee
Laura Rennick Anderson, Energy Bureau Chief, Montana Department of Environmental Quality; Member NASEO Board of Directors
Molly Cripps, Director, Office of Energy Programs, Tennessee Department of Environment and Conservation; Secretary, NASEO Board of Directors

11:15 am – 11:45 am

Washington Update (*St. Charles Ballroom, Third Floor*)

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:

Robert Jackson, Director, Regional/National Response Division, Michigan Agency for Energy; Chair, NASEO Board of Directors; Chair, NASEO Government Affairs Committee

Presenter:

Jeff Genzer, General Counsel, NASEO

11:45 am

Closing Remarks and Conference Adjourn (*St. Charles Ballroom, Third Floor*)

Presenter:

David Terry, Executive Director, NASEO

National Energy Efficiency Registry Stakeholders Meeting:

12:00 pm – 4:00 pm

NEER Stakeholders Luncheon and Meeting (*Canal Room, Third Floor*) (*RSVP Required; Space Limited*)

The National Energy Efficiency Registry Stakeholders meeting will feature updates and interactive discussions on the National Energy Efficiency Registry project, a multi-sector, multi-state initiative promoting the documentation of energy efficiency programs and measures in a consistent, transparent, and credible way. To RSVP for this meeting, visit <http://eeregistry.naseo.org>.