



NASEO 2019 Annual Meeting

Building a Clean Energy Economy for Everyone

Westdrift Manhattan Beach
1400 Parkview Avenue, Manhattan Beach, CA 90266

Final Agenda

Pre-Conference Sessions – Sunday, September 15, 2019

10:00 am – 5:00 pm

Conference Registration (*Loftlight Prefunction, Lobby Level*)

10:30 am – 12:00 pm

U.S. Department of Energy U.S. State Energy Program Competitive Meeting (*Invitation Only*) (*Beachgrass East Room, Second Floor*)

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 competitive process. The meeting will focus on state peer discussions on project updates and state technical assistance needs. It will include presentations by representatives from DOE's Office of Weatherization and Intergovernmental Programs within the Office of Energy Efficiency and Renewable Energy.

1:00 pm – 2:30 pm

Concurrent Roundtables

- **Public Facility Retrofits and Resilience: ESPC Fundamentals and Resilience Opportunities for Mission Critical Facilities** (*Open to all registered NASEO State, Territory, and Affiliate Members*) (*Parkview Room, Lobby Level*)

As states and communities prepare for various natural disasters, they are increasingly turning toward financing methods to help them advance resiliency in their critical energy infrastructure and mission critical facilities. Energy Savings Performance Contracting (ESPC) is one tool that has a proven track record of making energy efficiency infrastructure upgrades and can also be tapped to support resilience improvements. This roundtable format workshop explores the fundamentals of ESPC programs and projects, identifies tools and opportunities to better track and verify project performance, offers ideas

for combining ESPC and resilience measures to support mission critical facilities, and discusses the potential of using Disaster Recovery Reform Act funds to leverage public facility resilience.

Moderators:

David Terry, Executive Director, NASEO

John Agan, Senior Project Officer, Office of Weatherization and Intergovernmental Programs, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Presenters:

Fundamentals of ESPC: Programs Approaches, Measurement and Verification, and Resources

Dale Hahs, State Liaison Team Manager, Energy Services Coalition

Harold Trujillo, Bureau Chief, Energy Technology and Engineering, Energy Conservation and Management Division, New Mexico Energy, Minerals and Natural Resources Department

Combining Resilience Investments with ESPC

David Terry, Executive Director, NASEO

Dr. Timothy Unruh, Executive Director, National Association of Energy Services Companies

- **NASEO Energy Equity Taskforce Meeting** (*Open to all registered NASEO State, Territory, and Affiliate Members*) (*Driftwood West Room, Second Floor*)
NASEO's Energy Equity Taskforce explores strategies to advance equitable and inclusive energy and climate policies and programs, and recently convened a hands-on meeting exploring the processes that effectively engage communities on the front lines of economic and environmental injustice. The Taskforce is poised to take its next step by inviting State and Territory Energy Offices to undertake self-assessment exercises, explore opportunities to thoughtfully engage stakeholders, design programs and policies with equity in mind, and deliver recommendations for ways that NASEO can better incorporate equity in its mission and operations. During this session, NASEO State, Territory, and Affiliate members will review the "spectrum of community engagement," explore what community engagement looks like, and learn about the Taskforce's work in the coming year. This session will also ask State and Territory Energy Offices to consider joining the Taskforce's leadership team and committing to set goals and implement equity-driven changes to their office's programs and policies.

Moderators:

Michelle Gransee, State Energy Office Director, Energy Division, Minnesota Department of Commerce; Member, NASEO Board of Directors

Emily Salzberg, Managing Director, Housing Improvements and Preservation Unit, Washington State Department of Commerce

2:45 pm – 4:00 pm

NASEO Board of Directors and Annual Business Meeting (*Open to all registered NASEO State, Territory, and Affiliate Members*) (*Parkview Room, Lobby Level*)

NASEO's Board of Directors and Annual Business Meeting is open to NASEO State and Territory Energy Office and Affiliate members only. The meetings cover policy, programmatic, and administrative updates of the organization and includes the election of NASEO's Executive Officers as well as the review and approval of NASEO's FY'20 budget.

Moderators:

Dr. Andrew McAllister, Commissioner, California Energy Commission; Chair, NASEO Board of Directors
Dr. Laura Nelson, Governor's Energy Advisor and Executive Director, Utah Governor's Office of Energy Development; Vice Chair, NASEO Board of Directors

4:15 pm – 5:30 pm

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

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** (*Driftwood West Room, Second Floor*)

Moderators:

Rick Bender, Director, Office of Energy Policy, Kentucky Energy and Environment Cabinet; 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 Regional Meeting** (*Updrift West Room, Second Floor*)

Moderator:

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

- **NASEO Northeast Regional Meeting** (*Updrift East Room, Second Floor*)

Moderators:

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

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

- **NASEO Midwest Regional Meeting** (*Driftwood East Room, Second Floor*)

Moderators:

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

Michelle Gransee, State Energy Office Director, Energy Division, Minnesota Department of Commerce; Member, NASEO Board of Directors

- **NASEO Central Regional Meeting** (*Beachgrass East Room, Second Floor*)

Moderators:

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

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

- **NASEO Western Regional Meeting** (*Beachgrass West Room, Second Floor*)

Moderator:

John Chatburn, Administrator, Idaho Governor's Office of Energy and Mineral Resources; Member, NASEO Board of Directors

6:30 pm

Regional Networking Dinners (*Offsite*)

NASEO's Regional Board Members and Affiliate sponsors will co-host six regional "Dutch Treat/No Host" networking dinners at local beachfront eateries. (***Advance registration is required. Please email Garth Otto at: gotto@naseo.org.***)



NASEO 2019 Annual Meeting

Building a Clean Energy Economy for Everyone

Westdrift Manhattan Beach
1400 Parkview Avenue, Manhattan Beach, CA 90266

Final Agenda

Day One – Monday, September 16, 2019

7:00 am – 4:00 pm

Conference Registration and Exhibit Hall (*Loftlight Prefunction, Lobby Level*)

7:00 am – 8:00 am

Continental Breakfast (*Loftlight West Room, Lobby Level*)

8:00 am – 8:30 am

Welcome and Opening Remarks (*Loftlight East Room, Lobby Level*)

This opening session sets the stage for our conference.

Presenters:

David Terry, Executive Director, NASEO

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

8:30 am – 9:30 am

Charting a Clean Energy, Equity, and Climate Course: State Actions and Opportunities (*Loftlight East Room, Lobby Level*)

States are continuing to lead on climate actions. In their efforts to achieve the deep decarbonization of their economies, they are enacting strong renewable energy and energy efficiency laws and goals, exploring the use of various new and existing technologies, and developing smart, focused programs to ensure that all sectors of their economies have the resources and expertise needed to transition to carbon-neutral operations. This session will focus on new efforts, programs, or legislation in states related to climate change and provide a comprehensive overview of state climate actions to achieve deep decarbonization pathways.

Moderator:

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

Presenters:

Carilyn Shon, Chief Energy Officer, Hawaii State Energy Office

Dr. Will Toor, Executive Director, Colorado Energy Office

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

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

Joe Sullivan, Deputy Commissioner, Energy Division, Minnesota Department of Commerce

9:30 am – 10:00 am

Leading the Electric Utility Transformation (*Loftlight East Room, Lobby Level*)

California is a global leader in addressing climate change and Edison International, through its subsidiaries, is leading the transformation of the electric industry to better serve their customers, protect the environment, and improve public health. This session will highlight the clean energy, efficient electrification, and grid modernization efforts of Edison International to provide safe, reliable, and affordable power to its customers.

Moderator:

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

Presenter:

Pedro J. Pizarro, President and Chief Executive Officer, Edison International

10:00 am – 10:30 am

Agriculture, Energy, Sustainability, and the Terraton Initiative (*Loftlight East Room, Lobby Level*)

For three decades, State Energy Offices and their agricultural partners have worked to find innovative means to lower agricultural energy inputs, increase productivity, and help farmers succeed. Private sector innovators – disruptors – are making historic strides by harnessing nature to help farmers feed the planet. This session features a global leader in the move to deliver sustainability-driven technology and big data to farmers around the world.

Moderator:

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

Presenter:

David Perry, President, Chief Executive Officer, and Director, Indigo Ag

10:30 am – 10:45 am

Energy Efficiency as an Engine for Community Growth and Economic Inclusion (*Loftlight East Room, Lobby Level*)

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. During this session, E4TheFuture will present an overview of findings from their newly released energy efficiency jobs update report.

Moderator:

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

Presenter:

Pat Stanton, Director of Policy, E4TheFuture

11:00 am – 12:00 pm (*Concurrent Breakout Sessions*)

Building a Clean Energy Economy for Everyone: Big Ideas to Get the Job Done

- **Transforming the Future: Electric Utilities, Clean Energy, and the Essentials of a Low-Cost, High-Renewable Grid** (*Driftwood Room, Second Floor*)

Advancing technologies and heightening concerns are leading a growing number of states, cities, and electric utilities to plan and target a transition to clean, low- and zero-carbon emission energy systems. This session will explore state and utility pathways to meet emission objectives while addressing economic, resilience, reliability and other imperatives.

Moderator:

David Bobzien, Director, Nevada Governor's Office of Energy

Presenters:

Elysia Treanor, Environmental Policy Manager, Portland General Electric Company

Katie Jereza, Director of External Relations, Electric Power Research Institute

Benjamin Martin, State Project Manager, Energy Division, Minnesota Department of Commerce

Dr. Joshua Quinnell, Senior Research Engineer, Center for Energy and Environment

- **Workforce Pathways for Equity, Energy, and Economic Growth** (*Updrift Room, Second Floor*)

Many policies and programs are intended to deliver energy savings, economic growth, and emissions reduction benefits. Increasingly state and private sector leaders are thinking about how equity and inclusion are reflected in a range of energy programs, and, in particular, as a part of workforce development investments. During this session, experts will highlight the data and pathways necessary for clean energy to be an engine for workforce development, community growth and economic inclusion.

Moderator:

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

Presenters:

Pat Stanton, Director of Policy, E4TheFuture

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

Louis Fuentes, President, Air Conditioning Guys, Inc. El Centro; Board Member, Air Conditioning Contractors of America

James Morante, Statewide Director for the Energy, Construction and Utilities Sector, California Community Colleges

- **The Energy-Agriculture Nexus: Options and Updates for States** (*Beachgrass Room, Second Floor*)

The agricultural sector is a vital part of this nation's economy and vulnerable to climate change. With a variety of inputs, irrigation and off-grid energy needs the sector faces several unique

challenges to reduce greenhouse gas emissions, increase energy reliability, and reduce electricity demands to the grid. This session will feature state and private sector representatives who will address strategies to reduce energy demand and discuss recent actions to improve energy management for agricultural operations.

Moderator:

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

Presenter:

Tucker Perkins, President and Chief Executive Officer, Propane Education and Research Council
Geoff Bristow, Regional Energy Manager, Energy Programs Office, Pennsylvania Department of Environmental Protection

Craig Redmon, Director, Division of Energy, Missouri Department of Natural Resources

12:15 pm – 1:15 pm – **Keynote Luncheon** (*Loftlight West Room, Lobby Level*)

California Air Resources Board: Approaching State Energy and Environmental Actions to Meet the Climate Imperative

Moderator:

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

Presenter:

Mary Nichols, Chair, California Air Resources Board

1:30 pm – 2:15 pm

Women in Energy: Diverse Perspectives Expanding Impact (*Loftlight East Room, Lobby Level*)

Although women comprise less than one-third of the energy workforce opportunities for them have increased significantly in recent years. This plenary session will feature a facilitated discussion with female leaders to explore the evolving landscape for women in energy, share insights from their careers, and highlight opportunities for women to grow their career in the energy sector.

Moderator:

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

Presenters:

Melanie Kenderdine, Principal, Energy Futures Initiative

Dr. Laura Nelson, Governor's Energy Advisor and Executive Director, Utah Governor's Office of Energy Development; Vice Chair, NASEO Board of Directors

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

2:15 pm – 4:30 pm

Energy Optimization and Innovation Concurrent Workshops

- **Grid-Interactive Efficient Buildings Roundtable (*Hosted by the NASEO-NARUC GEB Task Force*)**
(Loftlight East Room, Lobby Level)
Enabling Grid-interactive Efficient Buildings (GEB) and load flexibility are key next steps to optimizing electricity management in buildings and across the grid to deliver economic, operational, environmental, and resilience benefits. This roundtable assembles market and technical experts to discuss real world examples, opportunities and challenges; frame state roadmaps and action plans; and consider pilot initiatives that could be valuable for learning and leading. *(At 4:30 pm, immediately following the Roundtable, the NASEO-NARUC GEB Working Group will convene an invitation-only workshop).*

Moderators:

Jeffrey Genzer, General Counsel, NASEO
John Shenot, Senior Advisor, Regulatory Assistance Project

Presenters:

David Nemptow, Director, Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Joanne Morin, Deputy Commissioner, Energy Policy, Planning and Analysis, Massachusetts Department of Energy Resources
Cara Carmichael, Principal, Rocky Mountain Institute
Kara Saul Rinaldi, President and Chief Executive Officer, AnnDyl Policy Group
Kaci Radcliffe, Energy Analyst, Oregon Department of Energy
Hanna Terwilliger, Rates Analyst, Minnesota Public Utility Commission
Rodney Sobin, Senior Program Director, NASEO

- **Seeding the Innovation Economy: Energy Innovation, Investment, and Deployment (*Hosted by the NASEO State Energy Technology Innovation Task Force*)** *(Offsite)*
This fall, NASEO will launch our *State Energy Technology Innovation Program and Task Force*. The Task Force will help NASEO to identify, elevate, and support State Energy Office actions that aid in transferring emerging energy technologies from research to private-sector commercialization. As a way to kick off the program and Task Force, NASEO is hosting this special innovation tour built around the renowned *La Kretz Innovation Campus* in downtown Los Angeles. ***(Space is limited and advance registration is required. Please email Shemika Spencer at: sspencer@naseo.org.)***

Day Two – Tuesday, September 17, 2019

7:00 am – 4:00 pm

Conference Registration and Exhibit Hall *(Loftlight Prefunction, Lobby Level)*

7:00 am – 8:00 am

Continental Breakfast *(Loftlight West Room, Lobby Level)*

8:00 am – 8:45 am

The Evolving Landscape for Energy Storage *(Loftlight East Room, Lobby Level)*

State renewable energy goals and carbon management objectives are driving ever larger investments on renewable energy systems. Integration of new, intermittent systems presents new challenges for grid operation

and resource adequacy. Energy storage may offer solutions to addressing capacity and reliability concerns, as well as promote resilience. With the recent passage of FERC Order 841, it seems the regulatory landscape is also transitioning to create economic pathways for energy storage. This panel will look at the technology landscape for energy storage, consider new, large-scale storage options, and discuss the impact of FERC Order 841 for opening new opportunities for grid level storage.

Moderator:

Dr. Laura Nelson, Governor's Energy Advisor and Executive Director, Utah Governor's Office of Energy Development; Vice Chair, NASEO Board of Directors

Presenters:

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

Michael McManus, Senior Director of New Power and Energy Solutions Business, Mitsubishi Hitachi Power Systems

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

8:45 am – 9:15 am

Advanced Energy Systems, Rare Earth Elements, and Carbon Capture: DOE's Research and Development Priorities in Support of Coal Utilization Technologies (*Loftlight East Room, Lobby Level*)

As part of its mission, the U.S. Department of Energy's (DOE) Office of Fossil Energy funds projects to develop advanced technologies that improve the overall performance, reliability and flexibility of the nation's existing coal-fired power plant fleet as well as to improve the recovery of rare earth elements from domestic coal resources. This session will explore DOE's research and development priorities to support advanced coal technologies.

Moderator:

John Chatburn, Administrator, Idaho Governor's Office of Energy and Mineral Resources; Member, NASEO Board of Directors

Presenter:

Joseph Giove, Director of Coal Business Operations, Office of Fossil Energy, U.S. Department of Energy

9:15 am – 10:15 am

Building a New Carbon Economy: How Carbon Capture and Use Can Accelerate Decarbonization and Deliver Economic Growth (*Loftlight East Room, Lobby Level*)

The increase in unconventional oil and gas production due to technology advancements as well as rising climate change concerns have transformed the nation's energy landscape and environmental debates over the last few years. Capturing carbon from industrial facilities and power plants and putting that carbon to beneficial economic use or storing it geologically has an important role to play in reducing carbon emissions, supporting domestic energy and industrial production, and contributing to economic wellbeing and workforce development. This discussion-based session will include expert presenters from the public and private sector who will review the status of carbon capture, utilization and storage technologies and projects, as well as state and federal policy frameworks and initiatives to support further deployment.

Moderator:

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

Presenters:

Brad Crabtree, Vice President, Carbon Management, Great Plains Institute

Sarah Young, Director, Public Affairs and Communications, Wyoming Infrastructure Authority

Al Collins, Vice President, Public Policy, Occidental Oil and Gas Corporation

10:15 am – 10:30 am

Moving Toward a Clean Energy Future (*Loftlight East Room, Lobby Level*)

This keynote session will look at the challenge of addressing climate issues and opportunities to build a clean energy future.

Moderator:

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

Presenter:

David Hochschild, Chair, California Energy Commission

10:45 am – 12:00 pm (*Concurrent Breakout Sessions*)

Energy System Planning, Preparedness and Solutions

- **Western Electric System Regionalization Opportunities and Options** (*Driftwood Room, Second Floor*)

The Western states are currently assessing the need for information and tools to help them evaluate Regional Transmission Organization (RTO) options and develop roadmaps to assist states make informed decisions regarding their energy futures. This session will recap Western RTO efforts to date, discuss lessons learned and where the states are today in terms of existing proposals and opportunities, and where to go from here.

Moderator:

Brooke Tucker, Managing Director of Energy Efficiency and Renewable Energy, Utah Governor's Office of Energy Development

Presenters:

Dr. Carl Linvill, Principal, The Regulatory Assistance Project; Chair, Western Energy Imbalance Market Governing Body

Keegan Moyer, Principal, Energy Strategies

Doug Hurley, Principal Associate, Synapse Energy Economics

- **Regional Partnerships, Coordination, Data and Grid Analysis to Inform State Offshore Wind Planning and Implementation** (*Beachgrass Room, Second Floor*)

The rapid and substantial increase in offshore wind development and investment over the past several years is as amazing as it is challenging. States, industry, utilities and other stakeholders would benefit from enhanced data access, analytical capacity, and coordination actions covering such issues as grid integration, environmental impacts, supply chain options, and coordination. This session will identify some of the needs, lessons learned, and solutions that states along with federal and industry partners are using to move this historic opportunity forward.

Moderator:

Carol Grant, Commissioner, Rhode Island Office of Energy Resources

Presenters:

Karen Douglas, Commissioner, California Energy Commission

Matthew Mailloux, Energy Advisor, Energy Division, New Hampshire Office of Strategic Initiatives

Joseph Paladino, Senior Advisor, Office of Electricity, U.S. Department of Energy

Dr. Emily Shumchenia, Ocean Data Scientist and Contract Staff, Northeast Regional Ocean Council

Chris Rice, Chief of Staff, Maryland Energy Administration

- **State and Federal Comprehensive Energy Security Planning Initiatives (*Hosted by the NASEO Energy Security Committee*) (*Updrift Room, Second Floor*)**

In recent years, energy security has become increasingly more important for states, communities, and the federal government. Greater dependency on energy resources has led to increased risks from energy disruptions that threaten the economy, health and human safety, and national security. This panel will focus on state and federal efforts to address specific hazards, expand emergency response capabilities, improve overall resiliency, and develop new resources.

Moderator:

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

Presenters:

Annie Schneider, Emergency Management and Alternative Transportation Specialist, Utah Governor's Office of Energy Development

Jennifer Richardson, Director of Energy Security Policy, Renewables and Resilience, Indiana Office of Energy Development

Brandi Martin, Project Manager, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

12:15 pm – 1:15 pm – **Networking Lunch** (*Loftlight West Room, Lobby Level*)

1:30 pm – 2:15 pm

Big Opportunities for Small Business Energy Efficiency Financing Programs (*Loftlight East Room, Lobby Level*)

This session identifies successful practices and emerging approaches of energy efficiency financing programs for small businesses and discusses some of the remaining challenges for fulfilling the energy and demand savings potential of the small business sector. This session will also provide information around key best practices and strong examples of programs delivering financing to small businesses and help State Energy Officials become subject matter experts to work within their state to influence and/or deliver effective programs for this important sector.

Moderator:

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

Presenters:

Shaun O'Neill, President, Concord Servicing Corporation

Tom Myers, Director of Business Development, Slipstream

Peter Klein, Vice President of Finance, Saint Paul Port Authority

2:15 pm – 3:00 pm

Mechanical Insulation: The Missing Piece in Commercial and Industrial Efficiency (*Loftlight East Room, Lobby Level*)

As states and territories seek opportunities to increase energy productivity and reduce emissions, mechanical insulation is an important and often overlooked solution in commercial and industrial applications. LMCT and their members deliver energy efficiency solutions and workforce development opportunities through apprenticeships and on-the-job training which provide a pathway to well-paying jobs. This session will provide information on mechanical insulation applications and workforce development opportunities.

Moderator:

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

Presenters:

Rob Hall, Interim Director, Heat and Frost Insulators LMCT
Michael Patterson, Business Manager, Insulators Local 5 (Los Angeles and Southern California)
Melvin Breshears, Business Manager, Insulators Local 16 (San Francisco and Northern California)

3:00 pm – 3:45 pm

Advances in Building Codes (*Loftlight East Room, Lobby Level*)

Across the country, states are considering adoption of new codes, many after having used the 2009 International Energy Conservation Code (IECC) for many years. During this session attendees will hear one state's experience making the change and receive an update on what to expect as the 2021 IECC is developed this year, culminating in an online voting process in November. Finally, attendees will hear from California on the upcoming inclusion of solar photovoltaics in the energy code and net zero energy requirements for new homes beginning in 2020.

Moderator:

Dub Taylor, Director, State Energy Conservation Office, Texas Comptroller of Public Accounts;
Parliamentarian, NASEO Board of Directors

Panelists:

Martha Brook, Energy Policy Advisor, California Energy Commission
Joe Francis, Associate Program Director, Assistance Division, Nebraska Department of Environment and Energy
Daniel Bresette, Vice President, Policy, Alliance to Save Energy

4:00 pm – 5:30 pm (*Concurrent Breakout Sessions*)

- **Resilience Frameworks for Grid, Fuels, and Mission Critical Facilities: Supporting States, Communities, and Local Governments** (*Driftwood Room, Second Floor*)
Ensuring that energy resources are available, accessible, and affordable has become more complicated as the technology and scale of energy systems has grown. Faster access to more accurate, meaningful data; prioritization of critical needs in limited-resource environments; and integration of energy resources into community resilience and pre-disaster mitigation planning are all examples of the types

of actions being considered by federal, state, and local governments. This panel will explore ongoing public and private efforts in energy system resilience planning.

Moderator:

Chris Rice, Chief of Staff, Maryland Energy Administration

Presenters:

Jim Ferris, Bureau Chief for New Technology, Clean Energy Division, New Jersey Board of Public Utilities

Douglas Little, Senior Advisor, Office of Electricity, U.S. Department of Energy

Martin Altman, Vice President, Disaster Management, ICF International

Joseph Paladino, Senior Advisor, Office of Electricity, U.S. Department of Energy

Chris Benjamin, Director of Corporate Sustainability, Pacific Gas and Electric

- **Energy Efficiency: The Tricky Part Is... (Hosted by the NASEO Buildings Committee) (Beachgrass Room, Second Floor)**

Energy efficiency is an effective way to increase energy affordability, enhance occupant comfort, and lower emissions. However, the value of energy efficiency can be difficult to communicate to stakeholders, including building occupants, home builders, and owners of commercial real estate. During this session experts will explore ways to address these challenges by providing updates from DOE-funded energy code field studies; the District of Columbia's new Building Energy Performance Standard; policies ensuring energy information is available in real estate multiple listing services; and tackling the challenge of improving efficiency at home for low- to moderate-income individuals.

Moderator:

Kaci Radcliffe, Energy Analyst, Oregon Department of Energy

Presenters:

Measuring and Increasing Energy Code Compliance

Ed Carley, Senior Program Manager, NASEO

Setting and Implementing Standards for Existing Buildings

Dr. Taresa Lawrence, Deputy Director, Energy Administration, District of Columbia Department of Energy and Environment

Motivating Energy Efficiency Improvements

Julia Dumaine, Research Analyst, Office of Energy Demand, Bureau of Energy and Technology Policy, Connecticut Department of Energy and Environmental Protection

Reaching Low-Income Communities

Maddie Koewler, Program Manager, NASEO

Changing Commercial Building Baselines for Portfolio Manager and Other ENERGY STAR Program Updates

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

Day Three – Wednesday, September 18, 2019

7:00 am – 12:00 pm

Conference Registration and Exhibit Hall (*Loftlight Prefunction, Lobby Level*)

7:00 am – 8:00 am

Buffet Breakfast (*Loftlight West Room, Lobby Level*)

8:00 am – 8:30 am

Mobility for All: The Power of Innovation (*Loftlight East Room, Lobby Level*)

Our transportation system is on the brink of a radical transformation as we transition to zero-emission, connected, and shared vehicles, and introduce new and innovative modes of transportation. During this keynote address, Stephen Ellis with American Honda Motor Company will talk about Honda's advances in motor vehicle technology and offer insights on the future of mobility.

Moderator:

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

Presenter:

Stephen Ellis, Manager, Fuel Cell Vehicle Marketing, American Honda Motor Company, Inc.

8:30 am – 9:15 am

Hydrogen Fuel Cells: On- and Off-Road Solutions to Achieve Energy and Climate Goals (*Loftlight East Room, Lobby Level*)

Fuel cells offer a zero-emission mobility solution for on- and off-road vehicles. Hydrogen fuel cell passenger vehicles are now available from several major automakers, and states across the country are considering funding hydrogen forklifts and other off-road applications through the Volkswagen Settlement. During this session, experts will share insights on the current and near-future hydrogen fuel cell market and will explore ways hydrogen fuel cell off-road vehicles can help states meet their energy and climate goals.

Moderator:

Alexa Voytek, Senior Program Manager/Energy Consultant, Office of Energy Programs, Tennessee Department of Environment and Conservation; Co-Chair, NASEO Transportation Committee

Presenters:

Morry Markowitz, President, Fuel Cell and Hydrogen Energy Association
Dr. Val Miftakhov, Founder and Chief Executive Officer, ZeroAvia
Al Cioffi, Strategic Advisor, Business Development, Plug Power

9:15 am – 10:15 am

Policies, Plans, and Financing Strategies to Support Electric Vehicle Infrastructure Investments (*Loftlight East Room, Lobby Level*)

As states work to reduce the energy intensity and carbon footprint of their transportation sector, many are working with private sector partners, utilities, and others to thoughtfully plan for infrastructure development and invest in electric vehicle charging infrastructure for light-, medium-, and heavy-duty vehicles. This session will highlight state strategies to engage with key stakeholders and leverage public funding to draw-in private

investment to support electrification of the transportation sector. The panel will also address strategies to ensure that infrastructure is developed in an equitable manner and serves the needs of residents from all communities and income levels.

Moderator:

Patty Monahan, Commissioner, California Energy Commission

Presenters:

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

Angela Conroy, Senior Planner, Virginia Department of Environmental Quality

Dr. Holmes Hummel, Founder, Clean Energy Works

Karen Glitman, Director, Transportation and Infrastructure Markets, Center for Sustainable Energy

10:15 am – 10:30 am

Break (*Loftlight Prefunction, Lobby Level*)

10:30 am – 11:15 am

Political Climate: State Policies Leading the U.S. Clean Energy Transition (*Loftlight East Room, Lobby Level*)

Political Climate will record a Podcast at the NASEO Annual Meeting exploring how state-level policies are moving the needle on the U.S. clean energy transition. Political Climate is the only podcast offering an inside-the-trenches view on how energy and climate decisions get made and offers a platform for constructive debate on energy and environmental issues in America. During this session, the Political Climate hosts will explore how recent policy and program developments in the states are impacting federal climate action, and what is still needed to achieve a clean energy economy.

Presenters:

Julia Pyper, Senior Editor, Greentech Media

Brandon Hurlbut, Co-Founder and Partner, Boundary Stone Partners

Shane Skelton, Co-Founder and Partner, S2C Pacific

11:15 am – 12:00 pm

U.S. State Energy Program and State and Local Solution Center (*Loftlight East Room, Lobby Level*)

During this session, participants will hear updates from the U.S. Department of Energy on the U.S. State Energy Program and will learn about the Weatherization and Intergovernmental Program Office's State and Local Solution Center.

Moderator:

Lynn Retz, Energy Program Director, Energy Office, Kansas Corporation Commission

Presenters:

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

Jenah Zweig, Supervisor of Partnerships and Technical Assistance, Weatherization and

Intergovernmental Programs Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

12:00 pm – 12:30 pm

Washington Update (*Loftlight East Room, Lobby Level*)

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:

Jeffrey Genzer, General Counsel, NASEO

12:30 pm

Meeting Adjourn (*Loftlight East Room, Lobby Level*)

Presenters:

David Terry, Executive Director, NASEO

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

1:00 pm – 5:00 pm

Optional Energy Tours (*Offsite*)

Space is limited and advance registration is required. Please email Shemika Spencer at: sspencer@naseo.org to register.

- **Honda Research and Development Facility**

Take a 90-minute walking tour of American Honda Motor Company's 101-acre campus in nearby Torrance which opened in 1994 and serves as the sales and marketing headquarters for the U.S. as well as the research and development center. In 2018, Honda installed a 6,000-panel rooftop solar energy system that generates approximately 3,000 megawatt hours (MWh) annually and offsets roughly 30 percent of the purchased electricity for the entire campus. It is one of the largest commercial building installations in Southern California and expands Honda's ongoing commitment to reduce its environmental footprint by developing and implementing renewable energy projects throughout its operations. The campus also includes a solar-powered hydrogen refueling station for fuel cell electric vehicles.

- **Southern California Edison Energy Education Center**

Take a 90-minute tour of Southern California Edison's Energy Education Center – Irwindale where guests can view interactive displays and exhibits that showcase clean energy technologies, sustainable designs and energy saving solutions. The Center is a resource for integrated energy efficiency, demand response and distributed generation education and training that uses the latest in state-of-the-art technologies to help residents and businesses make smart energy decisions. Unique offerings at the Center include the: Lighting Academy, Tool Lending Library, Foodservice Technology Center, and Smart Energy Experience™.

- **CTC Global Factory Tour**

Take a 90-minute tour of CTC Global's campus and ACCC® Conductor Factory in Irvine. The 200,000 square foot campus, houses CTC Global's corporate offices, business development team managers, product engineering and research and development staff, application engineers, procurement and production teams and quality assurance staff. In addition to producing the CTC Global ACCC conductor's

hybrid carbon and glass fiber ACCC core, CTC Global also produces a number of components used in various connectors such as dead-ends and splices. The campus includes a mechanical test lab, a quality control test lab, a separate chemistry lab and accelerated and long-term test fixtures and other quality assurance and quality control devices. To learn more about CTC's manufacturing facility, visit: <https://www.ctcglobal.com> and click on the "Tour the Factory" picture for a brief video.