



NASEO 2015 Annual Meeting

Interconnected: Smart Energy Policies, Clean Energy Investments, and The Cloud

Sunday, September 13 – Wednesday, September 16, 2015
Wyndham San Diego Bayside
1355 North Harbor Drive, San Diego, CA 92101

Preliminary Agenda

Sunday, September 13, 2015 – Pre-Conference Events

8:00 am – 4:00 pm (*Pacific Ballroom Foyer, Lobby Level*)

Conference Registration

2:00 pm – 4:00 pm (*Pacific Ballroom Foyer, Lobby Level*)

Exhibitor Set-up

10:00 am – 12:00 pm (*East Coast Ballroom, Lobby Level*)

SEP Competitive Projects Meeting (State Energy Offices – Invitation Only)

This U.S. Department of Energy (DOE) Office of Weatherization and Intergovernmental Programs' working session will cover several U.S. State Energy Program Competitive Projects from previous years. The working session will be facilitated by DOE staff and includes states with awards in the following areas of interest:

- FY12 - Area of Interest 1 - Advancing Energy Efficiency in Public Buildings
- FY12 - Area of Interest 3 - Improving or Developing A Fee-Based Self-Funded Public Facilities Energy Retrofit Program
- FY13 - Area of Interest 3 - Driving Demand for Public Facility Retrofits
- FY14 - Area of Interest 2 - Innovative Opportunities for Energy Efficiency and Renewable Energy Practices

12:00 pm – 2:30 pm (*Pacific D Ballroom, Lobby Level*)

State Energy Policy Innovation Roundtable: Modernizing the Electric Grid and the Quadrennial Energy Review

(NASEO State Members and Invited Guests Only – Includes a Working Lunch)

In conjunction with DOE's Office of Energy Policy and Systems Analysis, NASEO will convene a state roundtable to elevate emerging, innovative state energy policies and identify data and analysis needs that might benefit the design of the upcoming second federal Quadrennial Energy Review.

Presenters:

David Terry, Executive Director, NASEO

Gene Therriault, Energy Policy and Outreach Director, Alaska Energy Authority; Vice-Chair, NASEO Board of Directors

Karen Wayland, Deputy Director for State and Local Cooperation, Office of Energy Policy and Systems Analysis, U.S. Department of Energy

Jeff Genzer, General Counsel, NASEO

2:45 pm – 4:30 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 meeting agenda is tailored to the priorities of the states in the region.

2:45 pm – 4:15 pm (concurrent sessions)

- **NASEO Mid-Atlantic Regional Meeting** (*East Coast Ballroom, Lobby Level*)
Robert Underwood, Energy Administrator, Delaware Division of Energy and Climate; Member, NASEO Board of Directors
- **NASEO Midwest Regional Meeting** (*West Coast Ballroom, Lobby Level*)
Robert Jackson, Director, Michigan Agency for Energy; Member, NASEO Board of Directors
Tristan Vance, Director, Indiana Office of Energy Development; Member, NASEO Board of Directors
- **NASEO Central Regional Meeting** (*Pacific C Ballroom, Lobby Level*)
Jeff Ackermann, Director, Colorado Energy Office; Member, NASEO Board of Directors

3:00 pm – 4:30 pm (concurrent sessions)

- **NASEO Northeast Regional Meeting** (*Pacific A Ballroom, Lobby Level*)
Jessie Stratton, Policy Director, Connecticut Department of Energy and Environmental Protection; Member, NASEO Board of Directors

- **NASEO Southeast Regional Meeting** (*Pacific B Ballroom, Lobby Level*)
Molly Cripps, Director, Tennessee Office of Energy Programs; Member, NASEO Board of Directors
David Gipson, Director, Energy Resources Division, Georgia Environmental Finance Authority; Member, NASEO Board of Directors; Co-Chair, NASEO Energy Security Committee
- **NASEO Western Regional Meeting** (*Pacific D Ballroom, Lobby Level*)
Mark Glick, Administrator, Hawaii State Energy Office; Member, NASEO Board of Directors; Co-Chair, NASEO Fuels and Grid Integration Committee
Andrew McAllister, Commissioner, California Energy Commission; Member, NASEO Board of Directors

4:45 pm – 6:00 pm (*Pacific D Ballroom, Lobby Level*)

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

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

6:00 pm – 6:30 pm (*Pacific D Ballroom, Lobby Level*)

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

NASEO's Annual Business Meeting is open to NASEO State Energy Office and Affiliate members only and includes election of NASEO's Executive Officers and the review and approval of NASEO's FY'16 budget.

6:30 pm – 7:15 pm (*Pacific Ballroom Foyer, Lobby Level*)

NASEO Member Networking Reception (*NASEO State and Affiliate Members Only*)

Monday, September 14, 2015

7:00 am – 8:00 am (*Pacific BC Ballroom, Lobby Level*)

Continental Breakfast

7:00 am – 4:00 pm (*Pacific Ballroom Foyer, Lobby Level*)

Conference Registration and Exhibit Hall

8:00 am – 8:10 am (*Pacific BC Ballroom, Lobby Level*)

Welcome and Opening Remarks

To open the 2015 Annual Meeting, NASEO and our California hosts will provide a brief preview of the vision for this year's conference – Interconnections – the convergence of smart state and territory energy policies, clean energy investment, and cloud-based data analytics.

Presenters:

Janet Streff, Manager, State Energy Office, Minnesota Department of Commerce, Division of Energy Resources; Chair, NASEO Board of Directors

David Terry, Executive Director, NASEO

Andrew McAllister, Commissioner, California Energy Commission; Member, NASEO Board of Directors

8:10 am – 8:30 am

California – Forty Years of Energy Innovation (*Pacific BC Ballroom, Lobby Level*)

Since the 1970s, California has been a pioneer in transforming energy policy within the state and across the nation. As new technology options offer new opportunities, there are also new policy and program challenges in moving toward a cleaner, reliable, and more resilient power grid and transportation system. During this session, participants will hear the latest on California's clean energy and climate change actions and how the state is collaborating with technology companies, consumers, and businesses to make a difference.

Moderator:

David Terry, Executive Director, NASEO

Presenter:

Andrew McAllister, Commissioner, California Energy Commission; Member, NASEO Board of Directors

8:30 am – 9:15 am

Electricity Market Innovation and Technology Interconnectivity – It's Developing Faster Than Most Realize (*Pacific BC Ballroom, Lobby Level*)

Analytics and energy intelligence are converging to transform the way electricity is produced, delivered, managed, and consumed. Thanks to advancements in interconnectivity and The Cloud, the smart grid is no longer just a vision but a dynamic and connected electric system spanning states, markets, and sectors. State Energy Office efforts to develop policies and programs can speed the transition by promoting optimal energy production and use in ways that were difficult to imagine even a few years ago. This keynote session will be a thought-provoking look into the history, evolution, and future of energy analytics by visionary Thomas Siebel, Founder and Chairman of C3 Energy.

Moderator:

Mark Glick, Administrator, Hawaii State Energy Office; Member, NASEO Board of Directors; Co-Chair, NASEO Fuels and Grid Integration Committee

Presenter:

Thomas Siebel, Chief Executive Officer, C3 Energy

9:15 am – 10:00 am

U.S. EPA’s Clean Power Plan – Review of the Final Rule and Options for Least-Cost Compliance
(Pacific BC Ballroom, Lobby Level)

With their establishment of the Clean Power Plan in August, the President and the Environmental Protection Agency (EPA) set the country’s first-ever carbon emissions standards for existing power plants. The complexity and far-reaching impact of the Clean Power Plan rule underscore the urgent need for coordination and planning among state agencies and the private sector. This session will provide an overview of key points of the final rule and will address reliability, as well as the use of energy efficiency and renewable energy as compliance options – a priority issue for many states. This discussion with EPA leadership will set the stage for the breakout session that follows and for the NASEO Clean Power Plan workshop on the last day of the conference.

Moderator:

Janet Streff, Manager, State Energy Office, Minnesota Department of Commerce, Division of Energy Resources; Chair, NASEO Board of Directors

Presenter:

Janet McCabe, Acting Assistant Administrator, Office of Air and Radiation, U.S. Environmental Protection Agency

10:00 am – 10:30 am *(Pacific BC Ballroom, Lobby Level)*

Meeting the Challenge of Competing Energy, Environmental, and Economic Goals

An array of environmental requirements and goals have emerged over the past several years that are challenging State Energy Offices and other state and local energy policy officials to find balance among meeting energy needs, environmental requirements, and critical economic development goals. This session profiles the groundbreaking work of Washington D.C., and provides some unique insights on how best to calibrate the sometimes competing and sometimes synergistic goals that are set for advancing energy, the environment, and economic development.

Moderator:

David Terry, Executive Director, NASEO

Presenter:

Tommy Wells, Director, District of Columbia Department of Energy and Environment

10:45 am – 12:00 pm

Concurrent Breakout Sessions

- **Concurrent Session One**

California's Clean Energy Push (*Coast Ballroom, Lobby Level*)

Senior staff from the California Energy Commission will discuss California's efforts to achieve aggressive energy efficiency in new and existing buildings, promote renewable energy in all shapes and sizes, and invest in cutting edge research to achieve California's clean energy vision.

Moderator:

Vaughn Clark, Director, Oklahoma State Energy Office; Past Chair, NASEO Board of Directors

Presenters:

Dave Ashuckian, Director, Efficiency Division, California Energy Commission

Angela Gould, Renewable Energy Specialist, Renewable Energy Division, California Energy Commission

Mike Sokol, Energy Generation Specialist, Energy Research and Development Division, California Energy Commission

- **Concurrent Session Two**

Opportunities to Lower Compliance Costs (*Pacific A Ballroom, Lobby Level*)

With promulgation of the final U.S. EPA Clean Power Plan rule, states are seeking least-cost compliance approaches that also address power reliability and affordability imperatives. Various analyses point to energy efficiency as offering lower cost opportunities that also provide reliability and other benefits. These options have traditionally been underutilized for air compliance purposes. This session will focus on how the rule addresses energy efficiency, including state-led and third party efforts beyond traditional utility demand side programs, and how State Energy Offices can work with their colleagues in state air agencies and utility commissions to devise the best approaches for their state.

Moderator:

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

Presenters:

Karen Glitman, Director of Policy and Public Affairs, Vermont Energy Investment Corporation

Ken Colburn, Senior Associate, The Regulatory Assistance Project

Amy Zimpfer, Associate Director, Air Division, U.S. Environmental Protection Agency Region Nine

- **Concurrent Session Three**

- Emerging Technologies—Innovations Arriving** (*Pacific D Ballroom, Lobby Level*)

- With the advent of smarter electricity systems and the emergence of data-driven technical innovation, the need to streamline and accelerate the deployment of emerging, energy-saving technologies is vital to overcoming market barriers and supporting a self-sustaining market for energy efficiency. Leading private sector, utility, and state research organizations are constantly scanning for and testing emerging technologies and strategies for use in every sector of the economy. This session profiles the latest innovations that State Energy Offices and their partners may consider to facilitate demonstration and deployment initiatives and maximize energy savings.

- Moderator:

- Todd Currier, Division Manager, Washington State University Energy Program

- Presenters:

- Dan LeFevers, Senior Development Leader, Energy Projects and Programs, Gas Technology Institute

- Edwin Hornquist, Emerging Technologies Program Manager, Southern California Edison

- Jessica Burdette, Conservation Improvement Program Supervisor, Minnesota Department of Commerce

12:15 pm – 1:30 pm (*Pacific BC Ballroom, Lobby Level*)

Keynote Luncheon: Tesla’s Energy Storage Vision and the Market Transformation Underway

Earlier this year with the introduction of Tesla Energy, which offers a suite of batteries for homes, businesses, and utilities, Tesla redefined itself from an automotive company to an energy innovation company. The goal of Tesla Energy is to enable consumers to store sustainable and renewable energy to manage power demand, provide backup power, and increase grid resilience. This keynote will feature an in-depth discussion on Tesla’s energy storage, electric vehicle, and electric grid solutions, which they hope will transform the world.

Moderator:

Paul Thomsen, Director, Nevada Governor's Office of Energy

Presenter:

Mateo Jaramillo, Director of Powertrain Business, Tesla Motors

1:45 pm – 3:15 pm

Concurrent Breakout Sessions

- **Concurrent Session One**

- Intelligent Efficiency (Really Smart!) – The Grid, Buildings, and More** (*Coast Ballroom, Lobby Level*)

- Intelligent Efficiency has arrived. The ability to put sensors and controls on virtually any end-use device, and link these devices to the Internet of Things, opens the door to a vast world of analytics, “big data,” and customized automation. The state policies and regulations that guide the adoption of intelligent efficiency are being developed and tested around the country. This deep-dive session offers the latest insights on intelligent efficiency, provides results from a cutting-edge state intelligent efficiency buildings program, and makes suggestions on actions State Energy Offices can take to integrate Intelligent Efficiency into their programs and policies.

- Moderator:

- Molly Cripps, Director, Tennessee Office of Energy Programs; Member, NASEO Board of Directors

- Presenters:

- Mike Sokol, Energy Generation Specialist, Energy Research and Development Division, California Energy Commission
 - Stephen Harper, Global Director, Environment and Energy Policy, Intel Corporation

- Scott Pokrywa, Senior Director of Energy Intelligence, EnerNOC

- Aidoo Osei, Director, Business Development, Smart Cities/Industrial IOT, Qualcomm Technologies, Inc.

- **Concurrent Session Two**

- Converting Renewable Power to Renewable Natural Gas – Why Power-to-Gas and Biogas Strategies are an Important Part of the Energy-Environment-Economy Solution** (*Pacific A Ballroom, Lobby Level*)

- The emergence of “excess” renewable energy on the grid at certain times of the day, and the drive for lower carbon-footprint natural gas are coming together to create a new, potentially affordable clean fuel option. Converting excess “essentially free” renewable power to hydrogen and then renewable natural gas during low electricity demand periods has moved from conceptualization to viable demonstration projects. In addition, biogas and the potential to produce renewable natural gas for use in homes, vehicles, and power production is one part of an affordable, lower carbon energy future. This session profiles several projects and explores how existing state renewable energy and storage policies could be impacted.

Moderator:

Star Hodge, Section Chief, North Carolina Division of Energy, Mineral and Land Resources

Presenters:

Maria Redmond, Senior Analyst and Program Manager, Transportation Fuels, Wisconsin State Energy Office; Chair, NASEO Transportation Committee
Mike Kaplan, Director, Oregon Department of Energy
George Minter, Regional Vice President, External Affairs and Environmental Strategy, Southern California Gas Company

▪ ***Concurrent Session Three***

Reinventing Electric Vehicle Programs – An Evolution (*Pacific D Ballroom, Lobby Level*)

Since the first modern electric vehicles (EVs) were introduced to the market five years ago, State Energy Offices across the country have launched innovative programs to support EVs. Building off of early support from a few states and federal agencies, more and more states have developed their own vehicle and infrastructure investment programs, launched far-reaching education and awareness campaigns, tested vehicle-to-grid storage and grid services options, and implemented meaningful policies at the executive level that signal a strong and enduring commitment to electric vehicles. This session explores the evolution of state EV policies over the last five years, considers the impacts on grid and distribution system planning, and invites participants to discuss lessons learned from program implementation and future goals for electric vehicles in their states.

Moderator:

Laura Nelson, Executive Director, Utah Governor's Office of Energy Development

Presenters:

Jessie Stratton, Policy Director, Connecticut Department of Energy and Environmental Protection; Member, NASEO Board of Directors
Ward Lenz, Director of Government Relations, Advanced Energy
Terry O'Day, Vice President, NRG EVgo

3:30 pm – 5:00 pm

Concurrent Committee Sessions

▪ **NASEO Fuels and Grid Integration Committee (*Pacific D Ballroom, Lobby Level*)**

NASEO's Fuels and Grid Integration Committee focuses on sharing State Energy Office, federal, and private sector policies, programs, and activities related to the production, distribution, and consumption of electricity, liquid fuels, and natural gas.

Committee Co-Chairs:

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

Mark Glick, Administrator, Hawaii State Energy Office; Member, NASEO Board of Directors

Presenters:

Microgrids – Why Now?

Michael Winka, Senior Policy Advisor, New Jersey Board of Public Utilities
Valuing Grid Technologies and Services

Karen Wayland, Deputy Director for State and Local Cooperation, Office of Energy Policy and Systems Analysis, U.S. Department of Energy
Energy

Collaborating on Regulatory Processes for Renewable Energy Projects

Katherine Young, Senior Energy Analyst, RAPID Toolkit Project, National Renewable Energy Laboratory

Energy Markets and Planning Project Update

David Terry, Executive Director, NASEO

Discussion of Committee Priorities and Potential NASEO Policy Activities

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

Mark Glick, Administrator, Hawaii State Energy Office; Member, NASEO Board of Directors; Co-Chair, NASEO Fuels and Grid Integration Committee

▪ **NASEO Transportation Committee** (*Pacific A Ballroom, Lobby Level*)

NASEO's Transportation Committee supports State Energy Office work to accelerate the use of domestic transportation fuels, reduce reliance on imported oil, and improve air quality in the transportation sector.

Committee Chair:

Maria Redmond, Senior Analyst and Program Manager, Transportation Fuels, Wisconsin State Energy Office

Presenters:

The Initiative for Resiliency in Energy through Vehicles: Opportunities for Propane and Other Alternative Fuels to Assist During Emergencies

Roy Willis, President and Chief Executive Officer, Propane Education and Research Council

Measuring the Impact of State Electric Vehicle Programs

Colin Santulli, Senior Manager for Transportation, Center for Sustainable Energy
Using Congestion Mitigation and Air Quality (CMAQ) Funds to Support State Energy Office Programs: Opportunities and Challenges

Ruth Horton, Senior Technical Advisor, NASEO

Discussion of Committee Priorities and Potential NASEO Policy Activities
Maria Redmond, Senior Analyst and Program Manager, Transportation Fuels,
Wisconsin State Energy Office; Chair, NASEO Transportation Committee

5:30 pm – 6:30 pm

Welcome Reception

(Karl Strauss Brewing Company Downtown San Diego, 1157 Columbia Street, San Diego, CA 92101)

Sponsored by



7:30 pm – 9:30 pm

Monday Night Football *(Porthole Room, Lobby Level)*

Sponsored by



Tuesday, September 15, 2015

7:00 am – 8:00 am *(Pacific BC Ballroom, Lobby Level)*

Continental Breakfast

7:00 am – 4:00 pm *(Pacific Ballroom Foyer, Lobby Level)*

Conference Registration and Exhibit Hall

8:00 am – 9:15 am *(Pacific BC Ballroom, Lobby Level)*

On the Road to “Ultra-High” Levels of Renewables – Guiding an Historic Transformation

From Hawaii to California and Minnesota to New York, state policymakers are calling for 40 percent and higher renewable electricity goals. And, according to the National Renewable Energy Laboratory, the United States could generate as much as 80 percent of our electricity from renewables by 2050. While reaching such high levels of renewable energy on the grid relies in part on technology innovation, much more is dependent upon reductions in soft costs, application of sophisticated load balancing techniques, cloud-based analysis of real time data, and smart state policies. At the epicenter of this transformation are: mainstreaming rooftop solar; use of advanced wind towers to tap wind in regions once thought to have little wind energy potential (e.g., Southeast), development of baseload renewables such as geothermal and biofuels; storage; enabling the "prosumer" through accurate pricing; and digital initiatives

that are boosting existing wind farm capacity factors. This important panel session brings together state and industry experts to discuss technologies, market design barriers, and state policy best practices aimed at achieving renewables growth, power affordability, and continued reliability.

Moderator:

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

Presenters:

Ken Baker, Senior Manager, Sustainable Regulation, Walmart

Aaron Kraus, Deputy Director, Policy and Electricity Markets, SolarCity

Chris Yunker, Program Manager, Energy Systems and Transportation, Hawaii State Energy Office

9:15 am – 10:15 am

Buildings, the Cloud, Data Analytics, and the Grid – Which Policies, Programs, and Codes are Likely to Accelerate Building Performance? (*Pacific BC Ballroom, Lobby Level*)

Building energy and occupancy data is an increasingly big driver in building performance. Building management systems incorporating advanced sensors, monitoring, and controls, coupled with smarter, cloud-based analytical software is enabling buildings to achieve higher levels of efficiency and comfort than we realized only a few years ago. For State Energy Offices and their partners, questions abound: Which policies are achieving results? Will smart building components automate performance? What sources of data are needed and how do we obtain the data? This session will examine these and other questions to help identify which actions are most likely to lead to least-cost improvements in building performance.

Moderator:

Tony Usibelli, Division Director, Washington State Energy Office

Presenters:

David Eijadi, Principal, Business Development, The Weidt Group

Mark Frankel, Technical Director, New Buildings Institute

Tim Hays, Sales Director, BuildingIQ

10:15 am – 10:45 am (*Pacific BC Ballroom, Lobby Level*)

U.S. State Energy Program and Weatherization Assistance Program Update

This session will present the latest guidance and priorities 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:

Brian Selinger, Energy Team Leader, Iowa Development Authority

Presenter:

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

11:00 am – 12:15 pm

Concurrent Breakout Sessions

- **Concurrent Session One**

How Residential Energy Data Drives Value and Retrofits (*Coast Ballroom, Lobby Level*)

Increasing access to single-family residential energy data is a key to unlocking several important benefits including better understanding of home performance, more ways to analyze and improve occupant behavior, proper valuation of high-performance measures, and greater drive for energy-efficient renovations. Ensuring energy-efficient homes receive proper valuation for the energy-saving improvements homebuilders and homeowners make is critical. Appraisers need access to data on green homes to do this, one of the goals of the new “Green Addendum.” This will be increasingly important as we see more demand for green homes and greater uptake in home energy renovations, as is evident in new research from the North American Insulation Manufacturers Association.

Moderator:

Jeff Ackermann, Director, Colorado Energy Office; Member, NASEO Board of Directors

Presenters:

David Lee, Residential Program Supervisor, Building Technologies Program, U.S. Department of Energy

Scott DiBasio, Manager of State and Industry Affairs, The Appraisal Institute

Curt Rich, President and Chief Executive Officer, North American Insulation Manufacturers Association

- **Concurrent Session Two**

Cybersecurity and Privacy in an Interconnected, Intelligent Efficiency World (*Pacific A Ballroom, Lobby Level*)

This session provides cybersecurity expert views of what State Energy Offices and their partners should consider as they advance more data-driven intelligent efficiency programs and policies. In addition, this session will offer updates on current regulatory actions related to privacy, energy use information, and consumer access to their own information that balance the great potential for energy efficiency, market innovation, and privacy requirements.

Moderator:

John Davies, Deputy Commissioner, Kentucky Department for Energy Development and Independence; Secretary, NASEO Board of Directors

Presenters:

Galen Rasche, Senior Manager, Cybersecurity, Electric Power Research Institute
Cameron Brooks, President, Tolerable Planet

▪ ***Concurrent Session Three***

Property Assessed Clean Energy: State Catalysts and Local Options (*Pacific D Ballroom, Lobby Level*)

State Energy Offices across the country are creating new paths on Property Assessed Clean Energy (PACE) financing. Though typically a locally-delivered financing option to support energy efficiency and renewable energy for commercial and residential buildings, PACE program design and delivery can benefit substantially from state-level coordination, resources, and promotion. This session will examine the various approaches that State Energy Offices and their partners are taking to bolster, expand, and help localities more easily tap into PACE.

Moderator:

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

Presenters:

Kristina Klimovich, Director, Communications and Market Research, PACENow
Dub Taylor, Director, Texas State Energy Conservation Office; Parliamentarian, NASEO Board of Directors; Co-Chair, NASEO Fuels and Grid Integration Committee

Robert Jackson, Director, Michigan Agency for Energy; Member, NASEO Board of Directors

Kristy Manning, Deputy Director for Policy, Missouri Division of Energy

12:30 pm – 1:45 pm (*Pacific BC Ballroom, Lobby Level*)

Keynote Luncheon: Nest Labs – Innovating Energy with Simplicity, Connectivity, and Design

Since its unveiling of the programmable, sensor-driven, and wireless-enabled Learning Thermostat four years ago, Nest has burgeoned as a household name and symbol for innovation and interconnectivity. Today, Nest's line of home energy, smoke detection, and other products are available across North America and Europe. This keynote discussion will focus on ways Nest and its partners are revolutionizing energy use and connectivity, as well as the implications and promises Nest's innovations hold for state policy.

Moderators:

David Terry, Executive Director, NASEO

Bob Dixon, Vice President, Industry Affairs, Siemens

Presenter:

Ben Bixby, General Manager of Energy and Enterprise Products, Nest Labs

2:00 pm – 3:15 pm

Concurrent Breakout Sessions

- **Concurrent Session One**

Commercial Building Energy Codes: Unlocking the Savings Potential in the Country's Biggest Buildings (*Coast Ballroom, Lobby Level*)

While states are increasingly focused on helping local governments and home buildings achieve compliance with existing building energy codes, new attention is being drawn to compliance levels in the commercial sector. This session looks at the status of commercial building energy code compliance and practical state and private programs that are achieving results, and offers expert answers to participant questions.

Moderator:

Molly Lunn, Acting Deputy Director, Illinois Energy Recycling Office

Presenters:

Mike Stone, Field Representative, West Coast, National Electrical Manufacturers Association

David Cohan, Building Energy Codes Program Manager, U.S. Department of Energy

- **Concurrent Session Two**

Residential Energy Efficiency and Renewable Energy Program Innovations – Market Rate and Affordable Options (*Pacific A Ballroom, Lobby Level*)

States and their residential energy efficiency and renewable energy partners are evolving programs to include more innovative approaches to streamline and integrate, where practical, market rate and affordable programs. This session looks at the latest market trends in utility-driven residential energy efficiency programs, super-efficient new residential homes, and the integration of solar to lower long term energy costs as a part of weatherization programs.

Moderator:

Greg Guess, Director, Division of Efficiency and Conservation, Kentucky Department for Energy Development and Independence; Co-Chair, NASEO Buildings Committee

Presenters:

Jeff Ackermann, Director, Colorado Energy Office; Member, NASEO Board of Directors

Steve Cowell, Chief Executive Officer, E4TheFuture (formerly known as Conservation Services Group)

Ward Lenz, Director of Government Relations, Advanced Energy

- **Concurrent Session Three**

- Potential Fuel Constraints Due to Demand Changes, Extreme Weather, and Changing Environmental Rules – What's the Energy Outlook in the Year Ahead?** (*Pacific D Ballroom, Lobby Level*)

- Last winter's relative calm, from an energy price and supply perspective, was a welcome change for much of the nation. However, over the next several years, extreme cold weather is expected to place pressure on natural gas demand in some states as system demands evolve. Conversely, the National Oceanic and Atmospheric Administration's prediction of a significant El Niño event could mean warmer temperatures in some northern states, wetter weather in the west, and somewhat lower hurricane risk – if past patterns are repeated. This session looks at the outlook for a few key fuels in specific regions, industry efforts to ensure robust and resilient supplies, and experts' initial outlook to the year ahead.

- Moderator:

- Jeff Pillon, Director of Energy Assurance, NASEO

- Presenters:

- Jimmy Taeger, Climate Services, National Weather Service Forecast Office, San Diego

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

- Megan Levy, Director of Local Energy Programs, Wisconsin State Energy Office

- Roy Willis, President and Chief Executive Officer, Propane Education and Research Council

- Bruce McDowell, Managing Director, Policy Analysis, American Gas Association

3:30 pm – 5:15 pm

Concurrent Committee Sessions

- **NASEO Buildings Committee** (*Pacific A Ballroom, Lobby Level*)

- NASEO's Buildings Committee convenes State Energy Offices and NASEO Affiliate members to discuss state and federal policies and programs, share best practices, and learn about building energy technologies and services that achieve greater levels of energy efficiency.

- Committee Co-Chairs:

- Greg Guess, Director, Division of Efficiency and Conservation, Kentucky Department for Energy Development and Independence

- Christian Williss, Director of Programs and Initiatives, Colorado Energy Office

- Presenters:

- Building Energy Codes at the Federal Level: Supporting and Spurring State Action*

David Cohan, Building Energy Codes Program Manager, U.S. Department of Energy
Data, Labeling, and Collaboration: Understanding and Supporting the Residential Buildings Integration Program
David Lee, Residential Program Supervisor, Building Technologies Program, U.S. Department of Energy
Taking Stock: Where are we on Commercial Buildings, a DOE Perspective
Elena Alschuler, Building Technologies Project Manager, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Affordability, Weatherization, and Equity: New Opportunities in a Clean Power Plan World
Jeff Genzer, General Counsel, NASEO

- **NASEO Energy Security Committee** (*Pacific D Ballroom, Lobby Level*)
NASEO's Energy Security Committee convenes State Energy Offices, federal partners, and industry stakeholders to discuss policies and programs related to energy assurance planning, mitigation, and response.

Committee Co-Chairs:

David Gipson, Director, Energy Resources Division, Georgia Environmental Finance Authority; Member, NASEO Board of Directors
Doris Jansky, Statistical Analyst, Nebraska Energy Office

Presenters:

U.S. Department of Energy's State Risk Assessment Initiative: Program Priorities and Next Steps

Alice Lippert, Senior Technical Advisor to the Deputy Assistant Secretary of Energy Infrastructure Modeling and Analysis, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy

State Energy Assurance Planning: Helping to Ensure the Nation Has Secure and Reliable Energy

April Salas, Planning Section Chief, Energy Response Organization, Infrastructure Security and Energy Restoration Division, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy

Discussion of Committee Priorities and NASEO Program Activities

Jeff Pillon, Director of Energy Assurance, NASEO

- **NASEO Financing Committee** (*Coast Ballroom, Lobby Level*)
NASEO's Financing Committee supports State Energy Office efforts to identify market barriers and gaps, develop public-private financing programs, and share financing program best practices.

Acting Committee Co-Chair:

Kylah McNabb, Program Manager, Oklahoma State Energy Office

Presenters:

Warehouse for Energy Efficiency Loans (WHEEL) Developments

Colin Bishopp, Vice President, Renew Financial

Implementation Challenges: Financing Tune-Up Discussion

Molly Lunn, Acting Deputy Director, Illinois Energy and Recycling Office

Matthew Brown, Principal, Harcourt Brown & Carey

Mapping Federal Programs Supporting Energy Financing

Emily Martin Fadrhonc, Program Manager, Electricity Markets and Policy Group,

Lawrence Berkeley National Laboratory

Sandy Fazeli, Program Director, NASEO

5:30 pm – 6:30 pm (*Porthole Room, Lobby Level*)

NASEO Affiliate Members' Reception (*NASEO State and Affiliate Members Only*)

NASEO Affiliate members will convene to network and discuss partnership and promotional opportunities with NASEO and the State and Territory Energy Offices for the coming year.

Contact NASEO staff to learn more about the benefits of an Affiliate membership.

Presenters:

David Terry, Executive Director, NASEO

Barbara Bauman Tyran, Director, Washington and State Relations, Electric Power Research Institute; Affiliates' Co-Chair, NASEO Board of Directors

Anna Pavlova, Vice President, Government Relations, Schneider Electric; Affiliates' Co-Chair, NASEO Board of Directors

Wednesday, September 16, 2015

7:00 am – 8:00 am (*Pacific BC Ballroom, Lobby Level*)

Continental Breakfast

7:00 am – 11:00 am (*Pacific Ballroom Foyer, Lobby Level*)

Exhibit Hall

8:00 am – 11:30 am (*East Coast Ballroom, Lobby Level*)

NASEO Multifamily Energy Efficiency Roundtable (*Invitation Only*)

This workshop will convene State Energy Offices and key housing and energy partners for a facilitated discussion and update on energy efficiency in low-income multifamily housing.

Please contact Cassie Powers (cpowers@naseo.org) for more details and to RSVP.

8:00 am – 8:30 am (*Pacific BC Ballroom, Lobby Level*)

SEE Action Update

The State and Local Energy Efficiency Action Network (SEE Action) provides resources and technical assistance to state and local decision makers interested in providing low-cost, reliable energy to their communities through energy efficiency. This session will provide an overview of SEE Action and an update on its activities.

Moderator:

David Terry, Executive Director, NASEO

Presenter:

Johanna Zetterberg, SEE Action Network Coordinator, U.S. Department of Energy

8:30 am – 9:15 am (*Pacific BC Ballroom, Lobby Level*)

Smart Water and Energy – Tapping into the Power of Advanced Analytics to Reduce Water Loss, Increase Energy Efficiency, and Save Money

Long-term drought, climate change, population movements, and affordability are on the growing list of water challenges that states and communities face. Finding innovative solutions, including automated metering and data analytics, can help policymakers identify and assess issues, optimize operations, and even proactively respond to problems. This session will provide examples of how real-time system monitoring can help utilities and state and local agencies manage energy and water use quickly and effectively.

Moderator:

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

Presenter:

Allan Connolly, Chief Executive Officer and President, Aclara

9:15 am – 10:00 am (*Pacific BC Ballroom, Lobby Level*)

Energy-Water Nexus – New Approaches in Water Reclamation, Desalinization, and Efficiency that Lower Costs and Improve Water (and Energy) System Resilience

This forward-looking session examines the latest developments in producing and using water smartly – whether through the recovery of water from unconventional sources (e.g., wastewater, desalinization), or through lowering the energy costs associated with maintaining municipal water systems. Brief presentations will be followed by a discussion among the panel members on opportunities, barriers, and actions states can take to make smarter decisions about water.

Moderator:

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

Presenters:

Jesse Pompa, Senior Associate Engineer, Inland Empire Utilities Agency

Kelley Smith Burk, Director, Florida Office of Energy

Allan Connolly, Chief Executive Officer and President, Aclara

10:00 am – 10:45 am (*Pacific BC Ballroom, Lobby Level*)

Harnessing Entrepreneurial Energy for Clean Tech: Start-ups, Investors, and States Working Toward “Market-Ready”

At the core of the U.S. clean energy economy lie innovation and originality. But, moving new energy technologies, services, and jobs to the marketplace—however transformative and efficient they may be—often takes a concerted effort by entrepreneurs and investors. This session will examine actions that states can take to accelerate innovation, mitigate early-stage technology risk, and create an enabling environment for clean energy entrepreneurs to thrive.

Moderator:

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

Presenters:

Tony Usibelli, Division Director, Washington State Energy Office

Alecia Ward, Leader, Program and Business Development, Environmental Energy Technologies Area, Lawrence Berkeley National Laboratory

Cody Becker, Director of Programs, Cleantech San Diego

10:45 am – 11:30 am (*Pacific BC Ballroom, Lobby Level*)

Washington Update – Congressional and Administration Actions, NASEO’s Priorities, and U.S. State Energy Program Outreach

The first bipartisan, comprehensive federal energy bill in more than six years emerged from the Senate Energy and Natural Resources Committee in July with a variety of meaningful provisions, and Congress is debating action on appropriations as the end of the fiscal year looms. NASEO has been working on a variety of priorities on behalf of the State Energy Offices, and as always is particularly focused on the U.S. State Energy Program. This session provides an outlook of what’s to come, opportunities for states, and an update on NASEO’s SEP outreach efforts.

Moderator:

Janet Streff, Manager, State Energy Office, Minnesota Department of Commerce, Division of Energy Resources; Chair, NASEO Board of Directors

Presenters:

David Terry, Executive Director, NASEO

Jeff Genzer, General Counsel, NASEO

11:30 am (*Pacific BC Ballroom, Lobby Level*)

Annual Meeting Adjourns

Annual Meeting Concludes and the NASEO Clean Power Plan Workshop Follows

11:30 am – 4:00 pm (*Pacific Ballroom D, Lobby Level*)

NASEO’s Clean Power Plan Workshop (*Annual Meeting Registration Required*)

This discussion-oriented workshop builds on the NASEO Annual Meeting’s Clean Power Plan sessions to delve more deeply into challenges and opportunities faced by states, electricity providers, and other stakeholders as states respond to the U.S. Environmental Protection Agency's Clean Power Plan final rule and proposed programs. The dynamics of changing energy technologies, need for economic development, energy system reliability imperatives, and evolving utility business models make relatively quick compliance plan action extremely challenging. Discussion leaders will guide workshop participants in examining least-cost compliance opportunities that utilize energy efficiency and distributed resources while supporting energy system reliability and affordability.

11:30 am - 11:45 am

Overview and Introductions

David Terry, Executive Director, NASEO

Jennifer Murphy, Assistant General Counsel, National Association of Regulatory Utility Commissioners

Phil Assmus, Senior Staff Associate, National Association of Clean Air Agencies

11:45 am - 12:30 pm

The CPP Final Rule: Pathways, Options, and Opportunities

Denise Mulholland, Senior Program Manager, State Climate and Energy Program, U.S. Environmental Protection Agency

Ken Colburn, Senior Associate, Regulatory Assistance Project

12:30 pm – 1:30 pm

CPP and the States: Roles and Perspectives of States, EPA and its Regional Offices

Ethan Aumann, Environmental Scientist, U.S. Environmental Protection Agency Region 8

Michael Dowd, Director, Air Division, Virginia Department of Environmental Quality

Rebecca Harbage, Air Quality Planner, Montana Department of Environmental Quality

Jennifer Murphy, Assistant General Counsel, National Association of Regulatory Utility Commissioners

Chadwick Smith, Executive Director, Ohio Air Quality Development Authority

1:30 pm – 2:15 pm

Overview of the Clean Energy Incentive Program, Proposed Federal Plan, and Draft EM&V Guidance

Denise Mulholland, Senior Program Manager, State Climate and Energy Program, U.S. Environmental Protection Agency

Nikolaas Dietsch, Senior Policy Analyst, State Climate and Energy Program, U.S. Environmental Protection Agency

Pat Stanton, Senior Vice President of Policy and Advocacy, E4TheFuture (formerly known as Conservation Services Group)

2:15- 3:15 pm

Private Sector Views on the Final Rule and Proposed Programs

Emily Sanford Fisher, Deputy General Counsel, Energy and Climate, Edison Electric Institute

Malcolm Woolf, Senior Vice President, Policy and Government Affairs, Advanced Energy Economy

Mark Wagner, Vice President, U.S. Government Relations, Johnson Controls

Bruce Hedman, Technical Director, Institute for Industrial Productivity

3:15 pm – 3:45 pm

State Questions for the Experts – Facilitated Discussion

Ken Colburn, Senior Associate, Regulatory Assistance Project

Phil Assmus, Senior Staff Associate, National Association of Clean Air Agencies

Sara Hayes, Senior Manager and Researcher, Policy and Utilities, American Council for an Energy-Efficient Economy

Rodney Sobin, Senior Program Director, NASEO

3:45 pm – 4:00 pm

Planned Technical Assistance and Next Steps

Rodney Sobin, Senior Program Director, NASEO

Please note: The workshop is open to all registered Annual Meeting attendees. However, you must RSVP to Garth Otto (gotto@naseo.org) by no later than **Friday, September 4, 2015**.