



*National Association of  
State Energy Officials*

# NASEO Buildings Committee Meeting: Re-Launch and Buildings Program Updates

August 22, 2024

Photo Courtesy of RL Martin



# Agenda Overview

- Buildings Committee Leadership Team Introductions
- NASEO Buildings Program Overview
- Roundtable NASEO Buildings Program Updates
- Audience updates and open discussion

# NASEO Buildings Committee: State Leadership Team

## Leadership



Julie Staveland  
Co-Chair, Michigan



Susanne DesRoches  
Co-Chair, New York



Katie Bergfeld  
District of Columbia



Adam Berry  
Colorado



Natalie Narron  
North Carolina



Blake Shelide  
Oregon



Ed Carley  
NASEO Contact



Jasmine Xie  
NASEO Contact

## FY'25 Key Activities

- Direct support on IIJA/IRA energy efficiency workforce; building energy codes implementation; home energy rebates
- Support on commercial building energy efficiency, resilience, and performance standards; residential energy labeling; grid-interactive efficient buildings
- Support State Energy Office-Education Agency collaboration on K-12 school energy efficiency and indoor air quality
- Information and connections with cities on smart surfaces and cooling

| <b>NASEO Building Staff</b>              | <b>Topics</b>                                                                                                                                            | <b>Email</b>                                                     |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Ed Carley, Senior Program Director       | Building energy codes, building performance standards, energy efficiency, K-12 schools, ENERGY STAR, Lead-by-example                                     | <a href="mailto:ecarley@naseo.org">ecarley@naseo.org</a>         |
| Rodney Sobin, Senior Fellow              | Distributed energy resources, demand flexibility, electricity system, technology innovation, environmental impact, industrial energy, critical materials | <a href="mailto:rsobin@naseo.org">rsobin@naseo.org</a>           |
| Maddie Koewler, Program Director         | Residential energy efficiency and beneficial electrification, equity, home energy rebates, manufactured housing, home energy labeling                    | <a href="mailto:mkoewler@naseo.org">mkoewler@naseo.org</a>       |
| Jasmine Xie, Senior Program Manager      | K-12 schools, building energy performance standards and benchmarking, manufactured housing, appliance electrification, rural energy development          | <a href="mailto:jxie@naseo.org">jxie@naseo.org</a>               |
| Liepa Braciulyte, Senior Program Manager | Building energy codes, building performance standards, workforce development, building electrification                                                   | <a href="mailto:lbraciulyte@naseo.org">lbraciulyte@naseo.org</a> |
| Alannah Bell, Program Coordinator        | IRA Home Energy Rebates programs (HOMES and HEEHR), home energy labeling, manufactured housing, energy equity                                            | <a href="mailto:abell@naseo.org">abell@naseo.org</a>             |
| Sandy Fazeli, Senior Managing Director   | Program oversight and strategy                                                                                                                           | <a href="mailto:sfazeli@naseo.org">sfazeli@naseo.org</a>         |

# NASEO Committee and Programs Core Functions

- Support State and Territory Energy Office peer-to-peer exchange of best practices, policies and programs
- Offer custom, actionable assistance to State and Territory Energy Offices on program and policy development and implementation
- Deliver data and analysis to State and Territory Energy Offices to strengthen state positions and inform actions
- Implement priority projects identified by groups of State and Territory Energy Offices
- Offer training (101 to skilled) and materials for State and Territory Energy Office Directors and staff
- Communicate priorities, successes, needs, and roles of State and Territory Energy Offices to federal officials (DOE, FERC, EPA, USDA, DOT, HUD), private sector (NASEO Affiliates), and advocates
- Listen to State and Territory Energy Offices to identify trends and challenges that inform NASEO's work and Board of Director policy decisions



# Improving Energy Efficiency, Indoor Air Quality, and Educational Outcomes in School Facilities: Opportunities for State Energy Office Collaboration

August 13-14, Madison, WI



## **Forthcoming Report:**

Energy Efficient and Healthy K-12 Public School Facilities:  
*Opportunities for State Energy Offices and State Education Agencies to Collaborate*

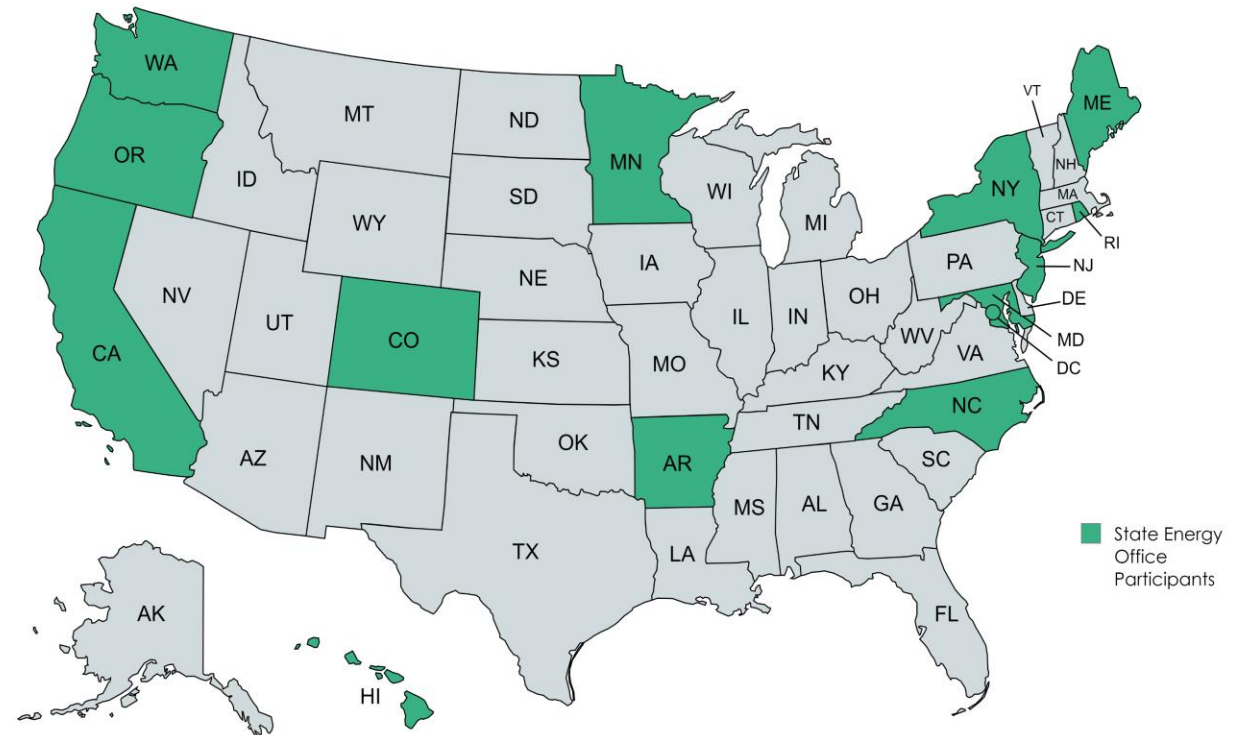
## **K-12 Schools Map:**

<https://naseo.org/school-programs>

# NASEO-EPA State Benchmarking and Building Performance Standard Implementation Cohort

## Past Meetings:

- *May 13, 2024, 2:00-3:00 p.m. ET* – Gauging Priorities and Tackling the Covered Properties List
- *July 23, 2024, 2:00-3:00 p.m. ET* – Staff Capacity and Budgeting for a Building Performance Policy

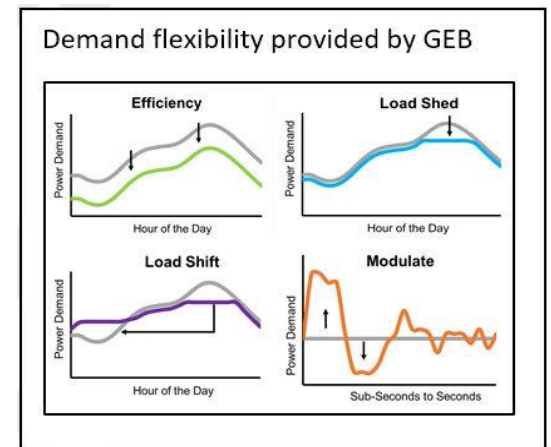


# NASEO-NARUC Grid-interactive Efficient Buildings (GEB) Working Group

<https://naseo.org/issues/buildings/naseo-naruc-geb-working-group>

**Inquiries:** [GEB@naseo.org](mailto:GEB@naseo.org) or Rodney Sobin [rsobin@naseo.org](mailto:rsobin@naseo.org), Jasmine Xie [jxie@naseo.org](mailto:jxie@naseo.org), Ed Carley [ecarley@naseo.org](mailto:ecarley@naseo.org)

- GEB/Demand Flexibility can:
  - Lower costs, enhance resilience, reduce emissions
  - Reduce peak loads, moderate ramp rates, provide grid services
  - Enhance energy efficiency, integrate distributed and renewable energy resources
- Questions:
  - How to optimize facility interactions with grid?
  - How can state policies, programs, regulations advance GEB/DF benefits?
  - What are roles for states, facility owners and operators, utilities, tech and service providers, and others?
- Includes various Distributed Energy Resources (DERs):
  - EE, DF/DR, onsite generation, energy storage, EVs, microgrids
  - and their application as Virtual Power Plants

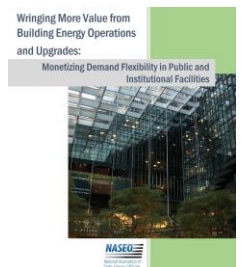
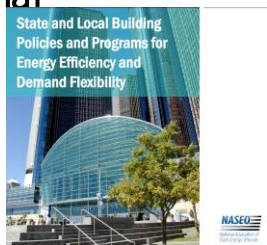
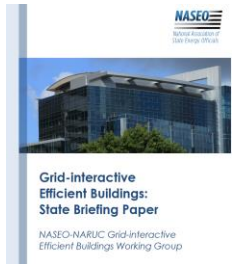
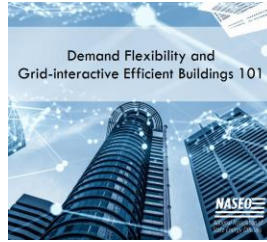




# NASEO-NARUC Grid-interactive Efficient Buildings (GEB) Working Group

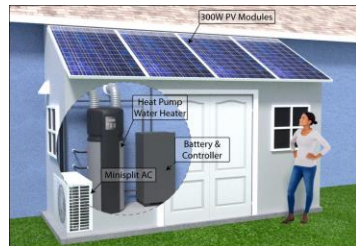
<https://naseo.org/issues/buildings/naseo-naruc-geb-working-group>

- NASEO-NARUC partnership – 30 States and Territories: SEOs, PUCs, Utility Consumer Advocates
- U.S. DOE, Building Technologies Office support
- Complements other NASEO work: electricity, transportation, industrial...
- Upcoming and some past Forums:
  - RMI Virtual Power Plant (VPP) Flipbook - September 4, 2024, 3:00-4:30 pm ET
  - Industrial Demand Flexibility - June 11, 2024 (with Industrial WG)
  - Demand Flexibility and Electrified Transportation - February 1, 2024 (with Microgrids WG)
  - ASHRAE Grid-interactive Buildings for Decarbonization: Design and Operation Resource Guide and GridOptimal Findings and Experience - September 20, 2023
- Reports
  - [Demand Flexibility and Grid-interactive Efficient Buildings 101](#)
  - [State and Local Building Policies and Programs for Energy Efficiency and Demand Flexibility](#)
  - [Wringing More Value from Building Energy Operations and Upgrades: Monetizing Demand Flexibility in Public and Institutional Buildings](#)
  - [Grid-interactive Efficient Buildings: State Briefing Paper](#)
  - [Roadmapping: A Tool for States to Advance Load Flexibility and Grid-interactive Efficient Buildings](#)
  - [Considerations for Grid-interactive Efficient Buildings \(GEB\) Pilot Projects](#)
- Resource, events, funding opportunity updates
- Supports state exchanges and other engagement, national lab tech assistance, input to DOE



## Other projects

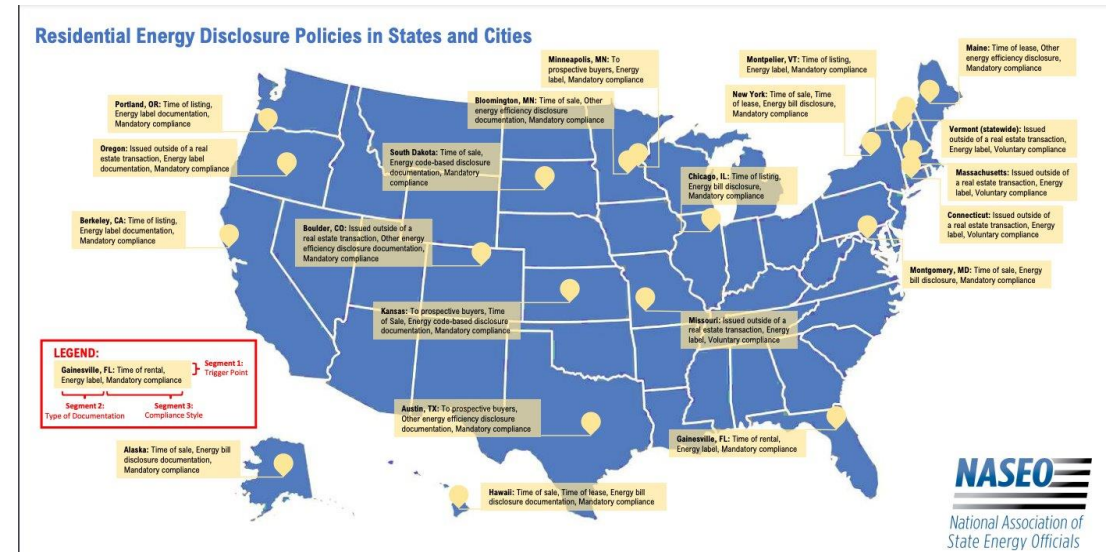
- **Connected Communities: UDERMS iCommunity – PacifiCorp, et al. (Salt Lake City, UT)**
  - Will demonstrate and evaluate the viability of strategic aggregation and deployment of DER bundles in wholesale markets and provide data to support inclusion of this model in Integrated Resource Planning. DOE BTO Connected Communities support.
- **Highly Efficient gas Absorption Technology for Energy Reductions (HEATER) – TN Dept. Of Environment and Conservation (TDEC) and Stone Mountain Technologies, Inc. (SMTI)**
  - Will demonstrate and evaluate energy savings of SMTI's production-ready Gas Absorption Heat Pump (GAHP) technology in an institutional building that parallels a wide range of commercial applications. DOE BTO support
- **PV-GEMS: Photovoltaic powered, grid enhanced mechanical solution – University of Central Florida, Florida Solar Energy Center (FSEC)**
  - PV-GEMS is a retrofit option in cases where achieving significant energy savings through enclosure-based load reduction measures such as wall, window, and roof retrofits are considered not economical, too invasive, or otherwise problematic. DOE BTO Advanced Building Construction Initiative.



# NASEO Residential Energy Efficiency and Beneficial Electrification Task Force

<https://www.naseo.org/issues/buildings/residential>

- Resources, meetings, and technical assistance for **Home Energy Performance-Based Whole-House Rebates Program (HOMES)** and **High-Efficiency Electric Home Rebate Program (HEEHR)**
- Creation of resources on **residential energy efficiency financing** and **home energy labeling and disclosures**
- Technical assistance and analysis on financing processes and zoning regulations on **development of manufactured housing**





# NASEO Residential Energy Efficiency and Beneficial Electrification Task Force

- Past meetings:
  - *June 18, 2024* – Residential Consumer Education Opportunities
  - *June 25, 2024* – Measured Energy Savings Workshop
  - *August 20, 2024* – Community Benefits Plan Development
- Upcoming meetings:
  - *September 3, 2024* – Tenant Engagement Strategies
- Forthcoming publications:
  - Utilizing Home Energy Score to Prioritize Energy Efficiency Investments
  - State Examples of Single-Family Energy Efficiency Improvement Financing



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## Events

[Home > Events](#)



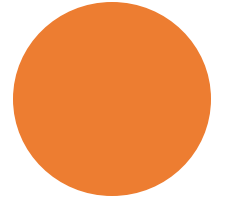


# Energy Codes

- Technical assistance as needed
  - Adoption, amendments, field studies, equity, resilience, EVSE and codes
  - Federal code funding
- National codes and standards development
- National Energy Code Collaborative (NECC)
  - State Implementation TAG lead
  - Part of NECC Leadership team
  - Resource/case study development
- Institute for Market Transformation Building Performance Standard(BPS) project
- ASHRAE ECO-TEC project: Energy Code Official – Training & Education Collaborative

Resources:

<https://naseo.org/issues/buildings/energy-codes>



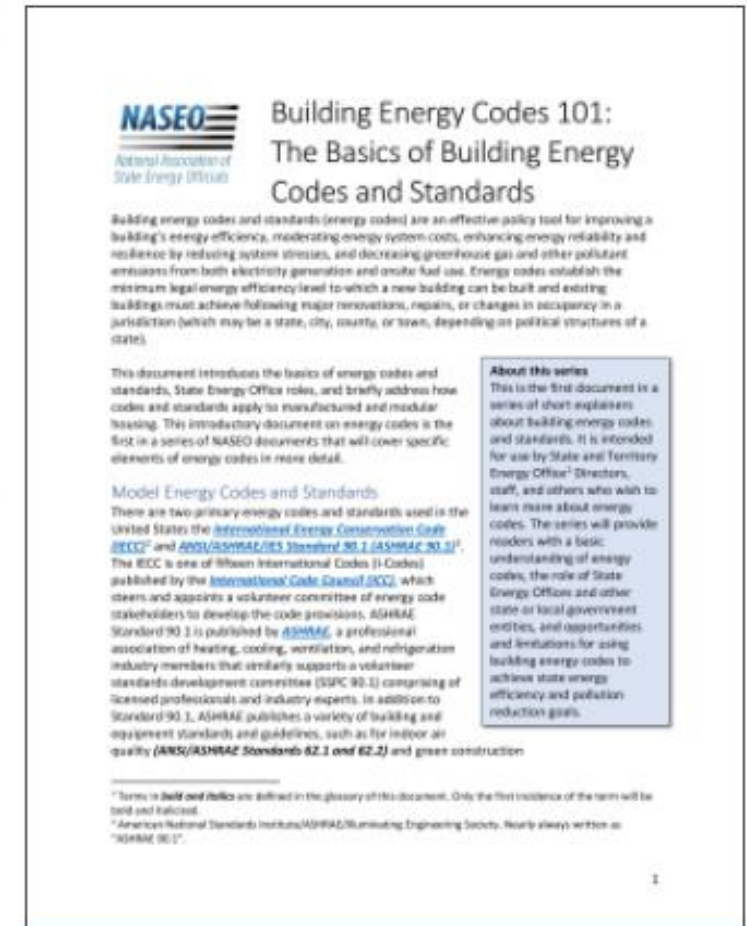
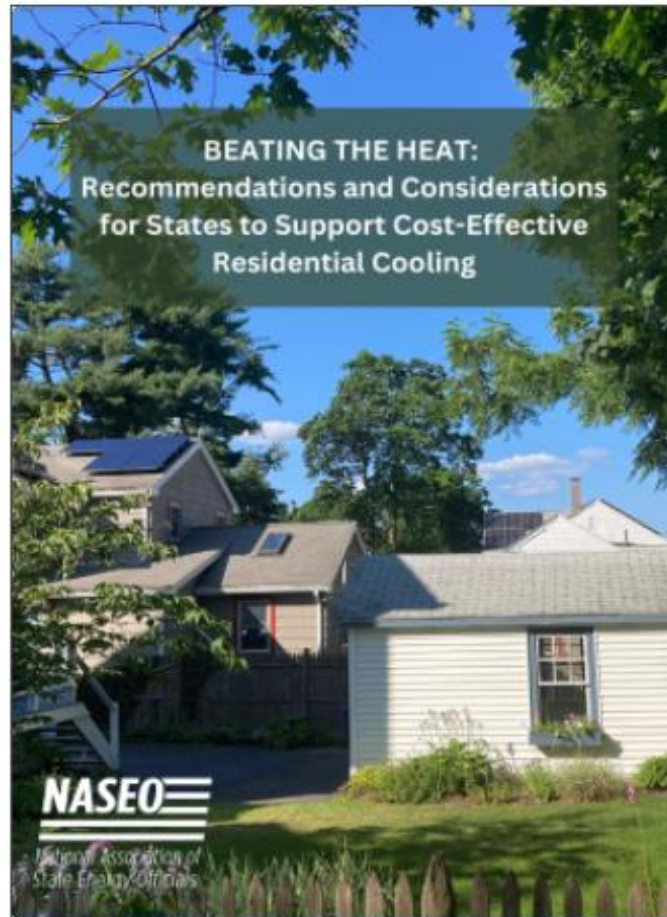
# Energy Efficiency

- ENERGY STAR Portfolio Manager, data access
- State lead-by-example efforts
- Resilience, energy efficiency, and building codes
- As needed assistance on other efficiency and buildings topics as requested by the states





# Recent Reports and Resources



Recent and forthcoming NASEO publications can be found on the NASEO Publications page:  
<https://www.naseo.org/publications>

# Upcoming Events

## In-Person:

- **September 29 – October 3, 2024, New York, NY: 2024 NASEO Annual Meeting**
  - Register [here!](#)

## Virtual:

- **September 4, 2024, 3:00-4:00 p.m. ET: NASEO-NARUC Grid-interactive Efficient Buildings (GEB) Working Groups Forum: RMI Virtual Power Plant (VPP) Flipbook**

All upcoming virtual and in-person NASEO events can be found on the NASEO Events page:  
<https://naseo.org/events>.



# Discussion Questions

- Is the NASEO Buildings Program prioritizing the most relevant topics? If there are gaps, what are they?
- Are there any topics that this Buildings Committee should regularly revisit?
- Is today's meeting structure something you would like to see again?