



# Trends in State Energy Plans and NASEO's Process for Updating the *State Energy Planning Guidelines*

Sam Cramer  
National Association of State Energy Officials  
September 2017

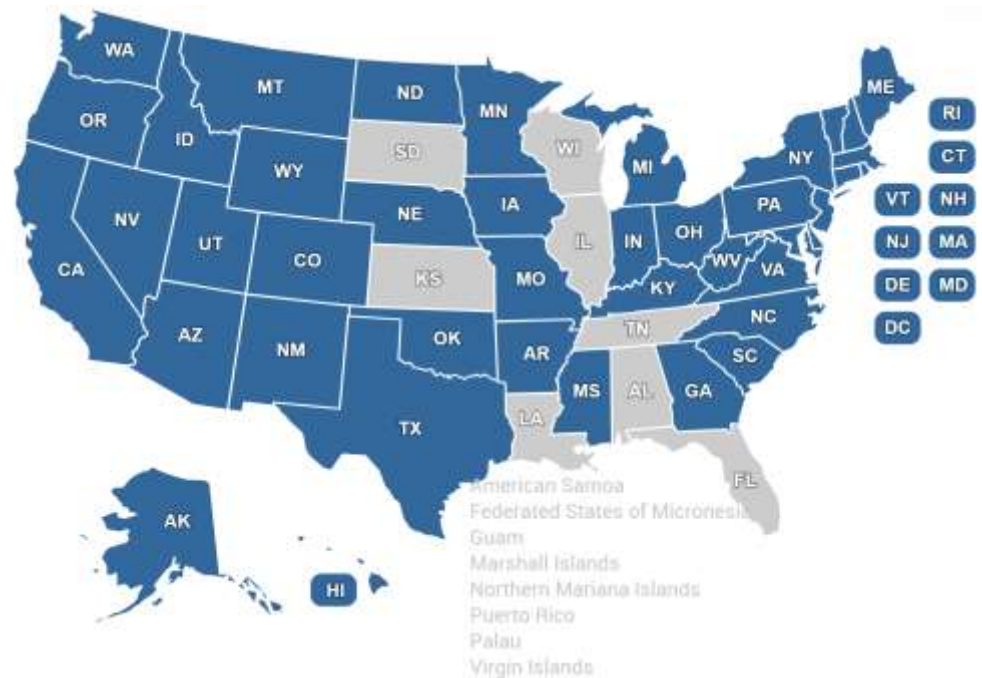
# + Agenda

- Overview of State Energy Planning and State Energy Plans
- Trends in recently updated State Energy Plans
- Process for updating *State Energy Planning Guidelines*
- Questions & feedback

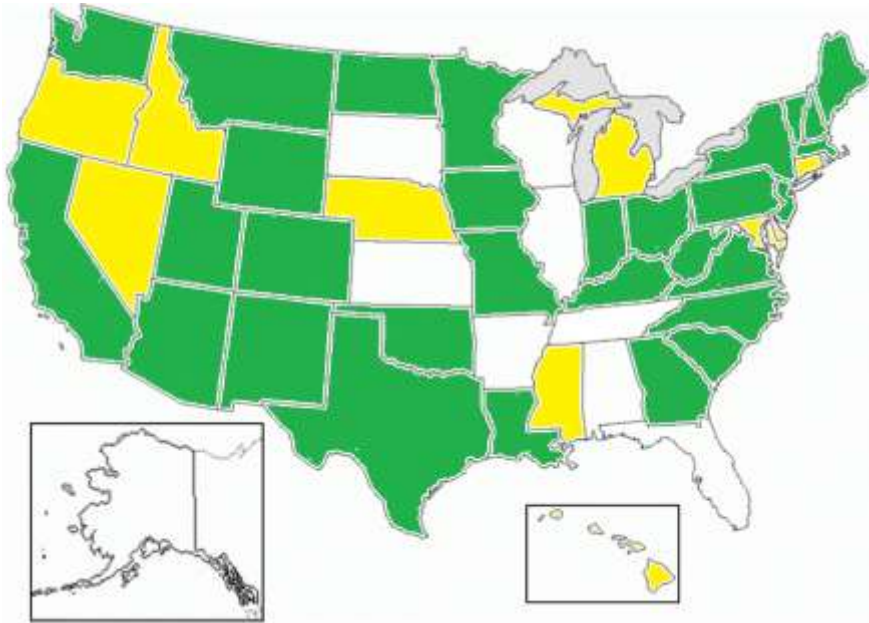


# + Overview of State Energy Plans

- As of 2017, 42 states and the District of Columbia have State Energy Plans
- State Energy Plans identify and design a pathway to a prosperous energy future that capitalizes on a state's resources, infrastructure, and human capital to promote a healthy economy and environment. State Energy Plans provide a policy backing for program and regulatory decisions, and can help catalyze positive, transformative change.



# + Recently-Updated Plans



Year	State
2012	ID, MN, MS, WA
2013	CT, WV, WY
2014	AZ, CO, GA, NH, OH, PA, UT, VA
2015	CA, ME, MO, NJ, NM, NV, NY, RI, VT
2016	IA, MT, SC

- 26 states have updated their State Energy Plans since NASEO's *State Energy Planning Guidelines* was published in 2011
- Nine states are currently in the process of updating their plans to include policy and program priorities that reflect recent trends and future projections in energy procurement and usage
  - CT, DE, ID, MD, MI, MS, NE, NV, OR

# + Trends in Recently-Updated Plans

## Plan Development Process

- Continued use of stakeholder groups and public forums to solicit input on drafts of the State Energy Plan
- SEOs remain leads/major participants for most of plan development. Contractors typically hired to perform assessments of energy supply/demand, workforce assessment, etc.
- Limited use of metrics in developing specific plan/policy goals
- Governors continuing to take an active role in developing plans – including setting policy priorities and providing high-level leadership of steering committee
  - Ex: Iowa Energy Plan development was lead by then-Lt. Governor Kim Reynolds

# + Trends in Recently-Updated Plans

## Policy Areas Included in Plan

- Emerging finance mechanisms to promote clean energy development and engage private capital, including Commercial Property Assessed Clean Energy (C-PACE), or Energy Investment Partnerships (EIPs) (Green Banks);
- Water-energy nexus within state boundaries and on strategies to promote energy efficiency in the water sector, and water efficiency in the energy sector;
- Development and deployment of advanced nuclear technologies;
- Planning for Advanced Metering Infrastructure (AMI), microgrids, and other “smart grid” technologies;
- Development or support of technology “incubators”;
- Planning for electric vehicle deployment and related infrastructure; and
- Inter-agency coordination to tackle and address energy-related issues.

# + About NASEO's *State Energy Planning Guidelines*

- NASEO's State Energy Planning Guidelines are an aid for states that are looking to create or refine their State Energy Plans to perpetuate sound planning processes
- The *Guidelines* provide states with an overview of a hypothetical State Energy Plan design process, including ten steps that NASEO recommends that states include in planning.
- The *Guidelines* provide information on a number of supplemental policies that states may choose to focus on in their plans
  - Energy Efficiency
  - Renewable Energy Grid Integration
  - Clean and Efficient Transportation
  - Financing Energy Efficiency and Clean Energy
  - Evaluation and Measurement for Continuous Improvement
  - Energy Assurance and Emergency Response Planning

# + NASEO's Process for Updating the *State Energy Planning Guidelines*



<b>Timeline</b>	<b>Planning Milestone</b>
<b>April – June, 2017</b>	Review State Energy Plans, share information on trends and process at NASEO regional meetings.
<b>June - August 2017</b>	Revise State Energy Planning Guidelines to reflect new stakeholder engagement processes and data collection/modeling methods, and incorporate new research and information on priority policy areas.
<b>Fall 2017</b>	Finalize and Release New State Energy Planning Guidelines
<b>Ongoing</b>	Provide Technical Assistance to States on State Energy Processes



# + Additions and Changes to the *State Energy Planning Guidelines*

- Discussion of state data needs, uses of data, and data resources that are available for states updating their plans
- Increased discussion around stakeholder best practices
- Inclusion of new “Supplemental Policies” sections covering:
  - Workforce Development;
  - Cybersecurity and Energy Assurance;
  - Clean Transportation and Mobility;
  - Environmental Considerations for State Energy Plans;
  - The Energy-Water Nexus; and
  - New Utility Business Models and Electricity Market Structures.
- New examples from recently-updated plans highlighting emerging areas for planning
- Discussion around cross-agency collaboration and the involvement of Governors in state planning processes
- Highlights on natural gas development as well as planning for energy R&D

# + Contact Us



**Sam Cramer**

Program Manager

[scramer@naseo.org](mailto:scramer@naseo.org)