



*National Association of
State Energy Officials*

State Approaches and Actions in Advanced Nuclear and Supply Chain Development

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About NASEO

- The only national non-profit association for the governor-designated energy officials from each of the 56 states and territories
- Serves as a resource for and about the State Energy Offices through topical committees, regional dialogues, and informational events that facilitate peer learning, best practice sharing, and consensus building
- Advances the interests of the State and Territory Energy Offices before Congress and the Administration
- Learn more at www.naseo.org

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NARUC-NASEO Advanced Nuclear State Action Tracker


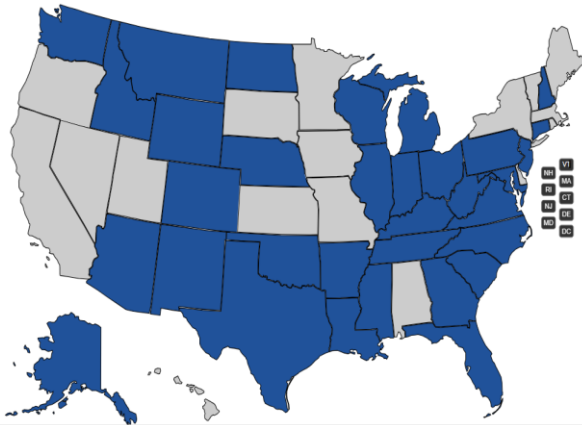
The Advanced Nuclear State Action tracker provides an overview of state activities that may impact states' advanced nuclear efforts (advanced nuclear is defined as Gen III+ and Gen IV technologies). This tracker focuses on highlighting advanced nuclear activities and partnerships involving state government entities (i.e., State Public Utility Commissions, State Energy Offices, state legislatures, and Governor's Offices). The Advanced Nuclear State Action Tracker covers state actions related to advanced nuclear from 2013 - present, and will include relevant Executive Orders, Policies and Programs, and state legislation that has passed into law.

This tracker will be updated on a monthly basis. If you would like to suggest an addition or a change to the map, please complete the following form. Please note that the tracker is not intended to be inclusive of all activities in the advanced nuclear space, such as those led by the private sector or local or international governments. Additional resources that may be of interest are listed below:

- Gateway for Accelerated Innovation in Nuclear (GAIN) Milestones in Advanced Nuclear
- Nuclear Energy Institute report on State Nuclear Legislation and Regulations
- Nuclear Innovation Alliance's Advanced Reactor Deployment Map

Select a Category: and/or Select a State Entity:


69 results found.



NARUC
National Association of Regulatory Utility Commissioners

Nuclear Energy as a Keystone Clean Energy Resource

The Potential Role of Nuclear Energy to Advance the Decarbonization of the U.S. Electric Grid and Beyond



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Coal to Nuclear Repowering: Considerations for State Energy Offices and Public Utility Commissions




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Nuclear Generation in Long-Term Utility Resource Planning: A Review of Integrated Resource Plans and Considerations for State Utility Regulators




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Energy and Industrial Use Cases for Advanced Nuclear Reactors



Advanced Nuclear First Mover Initiative



- The Initiative, directed by State Energy Offices, is led by the state co-chairs New York, Indiana, Kentucky, Tennessee, and Wyoming, and the participating states Maryland, Pennsylvania, Utah, Virginia, and West Virginia.
- These states are committed to accelerating the timeline and reducing costs for advanced nuclear projects.
- The Initiative involves strategic collaboration, information sharing, and formalized partnerships among states and the private sector.
- 16 observer states have signed on to learn from and engage with the Initiative.

Orderbook Strategy

- RFI (released September 2025) solicited industry and stakeholder input on how states can best coordinate to develop an orderbook for advanced nuclear projects, as a mechanism to speed project development and lower costs.
- Input received emphasized need for:
 - Multi-state coordination
 - State leadership and flexibility
 - Risk sharing and mitigation
 - Regulatory coordination and information-sharing
 - Demand aggregation
 - Financing
 - Workforce and supply chain readiness
 - Waste management
- Learn more at <https://www.naseo.org/topics/advanced-nuclear-first-mover-initiative>.

State Energy Office Roles

- Developing and funding strategic frameworks, master plans, feasibility studies
- Providing funding, setting up programs
- Facilitating state working groups and task forces
- Advising governors and legislators
- Coordinating and leveraging private investment in research, innovation, and demonstration programs
- Communicating with and engaging the public



State Policy Themes

- Economic challenges

- Affordability and **ratepayer impacts**

Virginia
§56-585.1:14

The annual revenue requirement for any rate adjustment clause authorized pursuant to this section shall not exceed an amount that would increase the monthly bill of the utility's typical Virginia residential customer, utilizing 1,000 kilowatt hours of electricity monthly, by more than \$1.40.

- Deployment challenges

- High capital costs
- Siting
- Licensing complexity

Alaska
SB177

The Department of Environmental Conservation shall adopt regulations governing the issuance of permits required by (a) of this section.

- **Public acceptance**

Kentucky
§164.2804

The Kentucky Nuclear Energy Development Authority, with the approval of its advisory board, shall develop and adopt criteria for awarding a nuclear-ready community designation to demonstrate a community's readiness to welcome nuclear energy-related development.

- Externalities

- Natural resource usage
- Spent fuel management

- Supply chain challenges

- Domestic fuel availability
- **Workforce**

Nebraska
§66-2306

The work group shall examine and make recommendations to the department regarding the workforce training needs of the nuclear and hydrogen industries and provide an opportunity for collaboration of such industries with the Nebraska community college system and Nebraska state college system to develop education training courses.

A Variety of Approaches

- Deployment-focused
 - Some states are actively pursuing SMR deployment through siting policies, financial incentives, inclusion in utility planning, and alignment with federal rules and processes
- Exploratory
 - Many states are not yet committed to deployment, but have set up task forces, working groups, dockets, and community engagement processes; usually prompted by Executive Orders
- Supply chain-focused
 - Some states have opted to focus policy efforts on expanding their nuclear manufacturing capabilities; infrastructure and processes to support fuel production, transport, and storage; and academic and workforce pipelines
- Constrained
 - Some states have moratoria on, or other policies that create barriers to, nuclear development

Select a Category and/or a State Entity below:

Category:

172 results for

- ✓ --- SELECT ---
- Capacity Preparation
- Construction Monitoring
- Energy Procurement
- Financial
- Generic / Exploratory Docket
- Integrated Resource Plan
- Multi-State Coordination
- Nuclear categorized as Clean Energy
- Nuclear Moratorium Partial or Full Repeal
- Siting / Approval
- Strategic Framework
- Study
- Supporting Advanced Nuclear
- Workforce Development
- Working Group

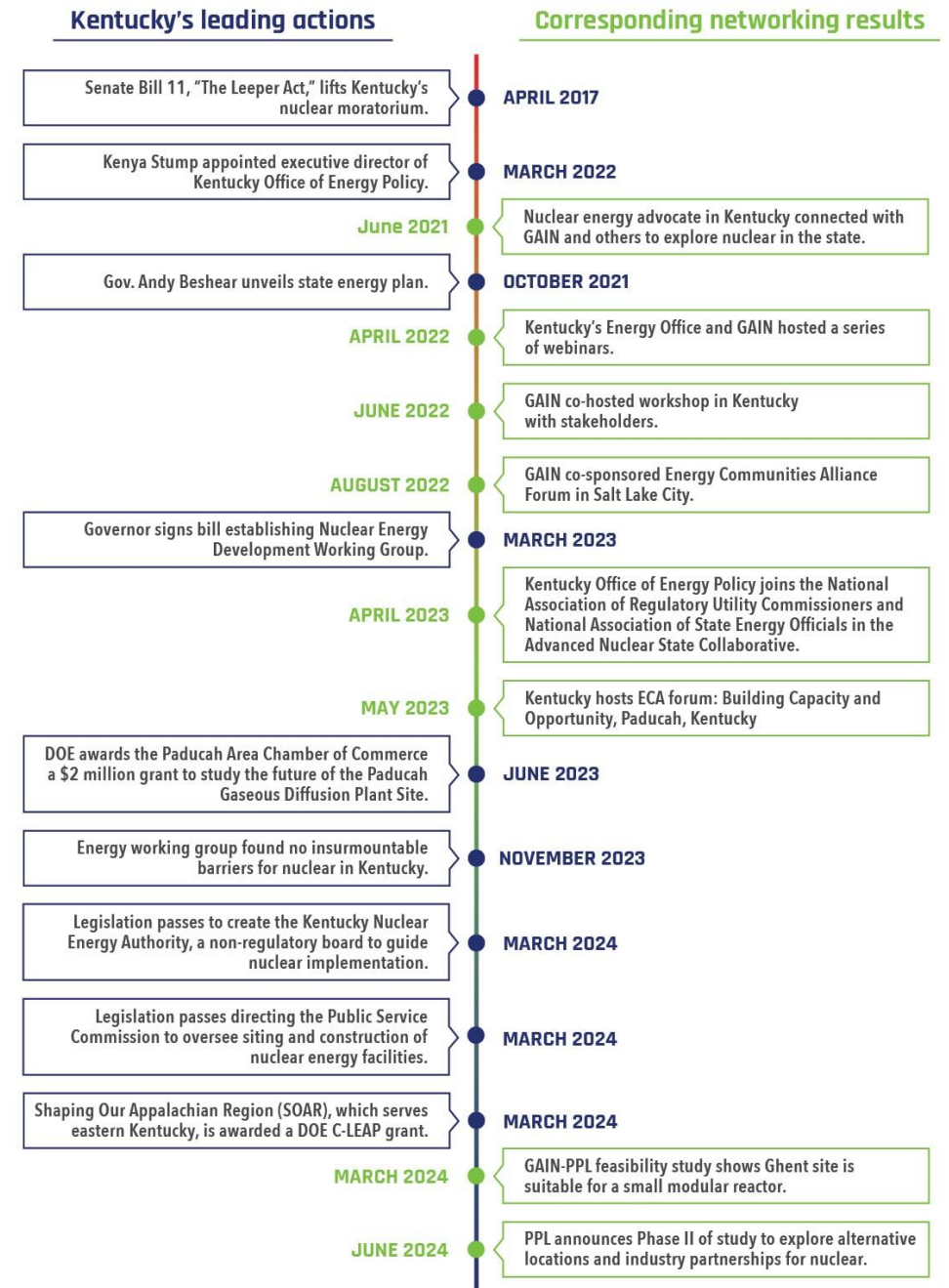


Texas

- \$350 million state investment via Texas Advanced Nuclear Energy Program (HB14)
- Dedicated agency: Texas Advanced Nuclear Energy Office (TANEO) within the office of the governor to coordinate deployment; informed by Texas Advanced Nuclear Reactor Working Group
- Advanced Nuclear Energy Workforce Development Program (S1535)
- Proposed: \$2 billion incentive fund
 - Cover up to 60% of development costs with state-backed loans
 - New Texas Advanced Nuclear Deployment Office, state coordinator position to assist in state and federal permitting processes

Kentucky

- Repealed prior moratorium on new nuclear construction
- Established Nuclear Energy Development Workgroup to guide strategy
- Through the Kentucky Nuclear Energy Development Authority, offers a designation process for “nuclear-ready” communities
 - At least two public education meetings
 - Identification of suitable development sites
 - Demonstration of formal local support (resolutions, ballot initiative)
- Infographic source: Gateway for Accelerated Innovation in Nuclear



Nebraska

- Nuclear Plant Siting Feasibility Study Program (through Department of Economic Development) provides federal grant funds to a political subdivision to conduct a feasibility study to assess (1) siting options for new advanced nuclear reactors throughout Nebraska (2) existing electric generation facilities based on key compatibility assets for advanced nuclear reactors.
- 2021: Legislature characterized nuclear energy as eligible for renewable energy business tax incentive (LB84)
- Legislature conducting interim study on feasibility of constructing and operating SMRs (LR178)
- 12-member Working Group appointed by Governor to study workforce training needs (LB568, LB565)

Thank you!

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[Advanced Nuclear First Mover Initiative](#)