

# NCEP Member Update

Current and Upcoming Activities, Resources, and Priorities

July 29, 2022

# Welcome

- This webinar is being recorded. The presentation and recording will be posted at <a href="https://www.naruc.org/ncep/">www.naruc.org/ncep/</a>.
- Type questions in the Q&A box. Unanswered questions will be sent to speakers for follow up.
- Join the NCEP listserv to be notified of future events by selecting NCEP as an interest area in your MYNARUC account at www.naruc.org/mynaruc/.

# Agenda

Item	Speaker
Welcome and <b>NCEP</b>	Tanya Paslawski, NCEP/NARUC
National Association of Regulatory Utility Commissioners (NARUC)	Danielle Sass Byrnett, Senior Director
National Association of State Energy Officials (NASEO)	Kirsten Verclas, Managing Director
National Governors Association ( <b>NGA</b> )	<b>Dan Lauf,</b> Program Director
National Conference of State Legislatures (NCSL)	Aaron Ray, Associate Director
National Association of Clean Air Agencies (NACAA)	Miles Keogh, Executive Director
National Association of State Utility Consumer Advocates ( <b>NASUCA</b> )	Jennifer Easler, Iowa Consumer Advocate

# National Council on Electricity Policy

Tanya Paslawski
Director, Policy and Partnerships
NARUC Center for Partnerships and Innovation
<a href="mailto:tpaslawski@naruc.org">tpaslawski@naruc.org</a>

# The National Council on Electricity Policy (NCEP)

Unique forum for state electricity decision-makers throughout the country to examine the ways new technologies, policies, regulations, and markets impact their state and the grid.

NCEP thanks the U.S. Department of Energy for its ongoing support. NCEP is an initiative supported by NARUC.



# NCEP Executive Committee

#### Welcome New Members

Hon. **Mary Throne**, Wyoming Public Service Commission

**Sarah Cottrell Propst,** Energy, Minerals and Natural Resources Department of New Mexico

Hon. **ToNola Brown-Bland**, North Carolina Utility Commission – NCEP President

Hon. **Upendra Chivukula**, New Jersey BPU

Hon. **Dave Danner**, Washington Utility and Transportation Commission

Mike Dowd, Virginia Department of Environmental Quality

Senator Eric Koch, Indiana State Senate

**Jeremey Tarr,** Office of Governor Roy Cooper

Hon. **Ted Thomas**, *Arkansas PSC* 

Hon. **Sarah Freeman,** *Indiana Regulatory Utility Commission* 

Jennifer Easler, Iowa Consumer Advocate

Hon. Marissa Paslick Gillett, Connecticut Public Utility Regulatory Authority

# **Upcoming Events**

August 18 at 2pm ET (virtual) **DOE Transmission Needs Study Overview** 

September 22-23 (in-person) Washington D.C. **NCEP Annual Meeting** 

#### **The Evolving Customer**

Customers are no longer just users of power. As the grid is modernizing and evolving, the roles and expectations of the customer is, and will have to continue to, change. The electric system of the future will require all types of customers to be active participants in providing reliable, resilient, just, and affordable electricity. Join the NCEP to explore the new ways customers are performing critical functions on the grid, the associated burdens and concerns, what knowledge and tools they need, and how policy makers and the industry at large can think about preparing for the future.

## Resources

## www.naruc.org/ncep/

#### Mini-Guide Series

<u>Transmission Siting</u>: State Agency Decision-Making (2022)

Engagement between States and <u>Regional Transmission Organizations</u> (2022)

Engagement between Public Utility Commissioners (PUCs) and <u>State Consumer Advocates</u> (2021)

Engagement between PUCs and State Energy Officials (2020)

Engagement between PUCs and <u>State Legislatures</u> (2019)

Engagement between PUCs and State Legislatures (2019)

State Agency Coordination During <a href="Energy-Related Emergencies"><u>Energy-Related Emergencies</u></a> (2019)

Local Government Engagement with PUCs (2019)

#### Mini-Guides in Development

Transportation Electrification and State Agency Roles

PUCs and the Investment Community

#### **Transmission and Distribution Resources**

T&D Resource Catalog – over 200 public resources and examples (case studies) of planning, operations, and markets at the T&D intersection.

# National Association of Regulatory Utility Commissioners (NARUC)

Danielle Sass Byrnett

Senior Director, Center for Partnerships & Innovation

dbyrnett@naruc.org

www.naruc.org/cpi

#### **NARUC**

- The National Association of Regulatory Utility Commissioners (NARUC) is a non-profit organization founded in 1889.
- Our members are the state regulatory commissions in all 50 states, DC, and the territories. FERC & FCC Commissioners are also members.
- NARUC member agencies regulate electricity, natural gas, telecommunications, and water utilities.





# THE NARUC CENTER FOR PARTNERSHIPS & INNOVATION

- Team dedicated to providing technical assistance to members.
- CPI identifies emerging challenges and connects state commissions with expertise and strategies to inform their decision making.
- CPI builds relationships, develops resources, and delivers trainings.



Regularly updated CPI fact sheet with recent publications & upcoming events under Quick Links at:

www.naruc.org/cpi-1/

#### NARUC Center for Partnerships & Innovation Current Activities

#### Recent Publications

- Mini Guide on Engagement between States and RTOs (Mar. 2022)
- Mini Guide on Transmission Siting Decision Making : (Feb. 2022)
- Valuing Resilience for Microgrids: Challenges, Innovative Approaches, and State Needs (Feb. 2022)
- Mini Guide on Engagement between Public Utility Commissions and State Consumer Advocates (Jan. 2022)
- State Approaches to Intervenor Compensation (Jan. 2022)
- Cyber Issue Brief: Log4j Vulnerability (Dec. 2021)

#### Recordings from Recent Events

 Bulk Power System Issues Training Series. Recordings and presentations on resource adequacy, system balancing, system stability, and impacts of DERs on the bulk power system. Contact Danielle

#### Forthcoming Publications

- Compendium of State Cyber Breach Reporting Requirements
- Black Sky Playbook
- Defense Energy Resilience Key Resources Guide & FAQ for Commissioners
- Electric Vehicle Briefs: Equity; Interoperability
- Regulator's Financial Toolboxes: Community Solar for LMI Customers; Electrification
- Potential State Regulatory Paths to Facilitate Low-Carbon Fuels
- Renewable Energy Microgrids
- · Nuclear as a Keystone Clean Energy Resource
- State Approaches to Energy Justice: Arrearages, Affordability, Participation, Metrics
- Electricity System Planning Training Series. <u>Recordings and presentations</u> from spring 2022 sessions on coordinating distribution, transmission, and resource planning and more; <u>July 25</u> on Beneficial Electrification. <u>Contact Jessica</u>
- Electric Vehicle State Working Group. Recordings and presentations on equity, interoperability, school bus
  electrification, pilot programs, and more. New webinar series starts Aug 11 through Nov 10. Contact Danielle
- Microgrids State Working Group: Recordings and presentations on resilience planning and valuation, renewable
  energy microgrids, and Bipartisan Infrastructure Law resilience funding. Contact Kiera
- Nuclear Energy Partnership Webinars: Recordings and presentations on advanced nuclear fuel, small modular reactors, nuclear energy impacts of war in Ukraine, and mitigating risks of new nuclear. Contact Kiera
- Performance-Based Regulation Webinars. Recording and presentations on establishing metrics. Contact Elliott
- Resilience for Regulators Webinar Series: Recordings and presentations on critical infrastructure resilience in light of climate change; defense energy resilience partnerships, and more. Contact William

#### Virtual Learning Opportunities

- Innovation Webinar Series. Aug. 25: Energy Storage in Integrated Resource Plans. Sept. 15: Innovative Wildfire Mitigation Technologies. Oct. 20: Long Duration Storage. Register and see recordings of past events. Contact Jessica
- Commission Staff Surge Calls. NARUC hosts peer sharing calls for commission staff to discuss different states' approaches to emerging issues. Aug. 8: Customer Data Access. View past summaries online. Contact Jeffrey
- On-Demand, Video-Based Learning Modules. Dozens of training videos are now available in English and Spanish on distribution systems and planning, smart grid and EV interoperability, and more. Contact Danielle

#### Upcoming In Person Events (travel stipends available)

- Regional Cybersecurity Training, Denver, CO. Sept. 7-9: Join a Western-focused training exclusively for members on cybersecurity topics through the lens of a public utility regulator. (Open to commissioners/staff only) Contact Hyleah
- NARUC-NASEO DER Interconnection Workshop, Washington, DC. Sept. 20-21: Join the new DER Integration & Compensation Initiative for expert and peer support on designing rules and adopting standards to interconnect and integrate DERs. Other topics include equity in distribution planning, market operator needs, and more. Contact Tanya
- National Council on Electricity Policy Annual Meeting, Washington, DC. Sept. 22-23: Join fellow policy makers from
  governors' offices, consumer advocates, state legislatures, air regulators, and energy offices to explore pressing
  electricity issues from the customer perspective and find valuable opportunities for coordination. Contact Tanya
- Coal and Carbon Management Partnership Site Visit to National Energy Technologies Lab. Oct. 24-26: Tour NETL's
  Morgantown, WV and Pittsburgh, PA campuses to see the latest on carbon capture, utilization, storage and strategies
  and technologies to increase the efficiency of coal resources. (Open to commissioners only) Contact Kiera

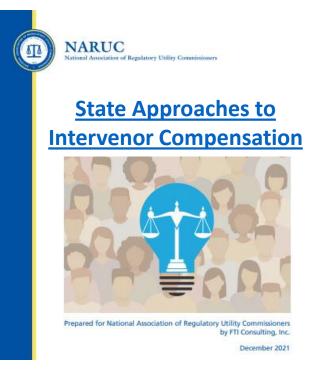
# NARUC CPI work spans five key topical areas

Energy Generation	Energy Transmission	Energy Distribution	Energy Customers	
<ul> <li>Coal &amp; Carbon         Management*</li> <li>Nuclear Energy*</li> <li>Natural Gas*</li> <li>Hydrogen</li> <li>Utility-Scale Renewables</li> </ul>	<ul> <li>Transmission Infrastructure</li> <li>Transmission-Distribution         Coordination*         <ul> <li>Storage</li> </ul> </li> <li>Comprehensive Electricity</li> <li>Planning</li> </ul>	Planning Smart Grid / Grid Modernization Microgrids*	<ul> <li>DER Integration &amp;         Compensation*</li> <li>Demand Flexibility*</li> <li>Electric Vehicles*</li> <li>Stakeholder Engagement</li> <li>Energy Justice</li> </ul>	
Contact Kiera Zitelman	Contact Tanya Paslawski	Contact Jeffrey Loiter	Contact Danielle Sass Byrnett	
Critical Infrastructure Preparedness, Response, and Resilience				
<ul><li>Cybersecurity for Utility Re</li><li>Energy Emergency Prepare</li></ul>		Defense Community Par	tnerships	

<sup>\*</sup>NARUC CPI facilitates a working group or partnership for regular member learning and peer exchange opportunities.

# 2022 NARUC CPI Publications





#### **Forthcoming in Fall**

- Compendium of State Cyber Breach Reporting Requirements
- Black Sky Playbook
- Defense Energy Resilience Key Resources Guide & FAQ for Commissioners
- Electric Vehicle Briefs: Equity; Interoperability
- Regulator's Financial Toolboxes: Community Solar for LMI Customers; Electrification
- Potential State Regulatory Paths to Facilitate Low-Carbon Fuels
- Renewable Energy Microgrids
- Nuclear as a Keystone Clean Energy Resource
- State Approaches to Energy Justice: Arrearages, Affordability, Participation, Metrics

# RECORDINGS & PRESENTATIONS AVAILABLE

- <u>Electricity System Planning Training</u> sessions on coordinating distribution, transmission, and resource planning and more.
- <u>Nuclear Energy Partnership</u> on advanced nuclear fuel, small modular reactors, nuclear energy impacts of war in Ukraine, and mitigating risks of new nuclear
- Resilience for Regulators Series on critical infrastructure resilience in light of climate change; defense energy resilience partnerships; state case studies.
- On-Demand, Video-Based Learning
   Modules. Dozens of training videos available
   in English and Spanish on <u>distribution</u>
   systems and planning, <u>smart grid and EV</u>
   interoperability, and more.

#### MEMBER WORKING GROUPS

Microgrids (e.g., resilience valuation, RE MGs)

Performance-Based Regulation (e.g., establishing metrics) Transportation
Electrification
(e.g., equity,
interoperability,
school buses)

Grid-Interactive
Efficient Buildings
(Demand
Flexibility)

Underlined text is hyperlinked







# **Upcoming Events**



Innovation Webinar Series. Aug. 25: Energy Storage in Integrated Resource Plans. Sept. 15: Innovative Wildfire Mitigation Technologies. Oct. 20: Long Duration Storage. Register and see recordings of past events.



**Regional Cybersecurity Training**, Denver, CO. **Sept. 7-9**: Join a Western-focused training exclusively for members on cybersecurity topics through the lens of a public utility regulator.



**NARUC-NASEO DER Interconnection Workshop**, Washington, DC. **Sept. 20-21**: Join the new DER Integration & Compensation Initiative for expert and peer support on designing rules and adopting standards to interconnect and integrate DERs. Other topics include equity in distribution planning, market operator needs, and more. [precedes NCEP Annual Meeting]



NARUC Grid Data Sharing Collaborative, Seattle, WA. Sept. 28-30: Second workshop for PUCs, utilities, DER providers, and cyber/national security experts to develop a framework of options and tradeoffs to share various types of grid data and information.

# Contact List

Get in touch!		
Danielle Sass Byrnett	Lynn P. Costantini	
Senior Director	Deputy Director	
dbyrnett@naruc.org	lcostantini@naruc.org	
Tanya Paslawski,	Jeffrey Loiter	
Partnerships & Policy Director	Technical Director	
tpaslawski@naruc.org	jloiter@naruc.org	
Kiera Zitelman	Elliott Nethercutt	
Technical Manager	Principal Regulatory Policy Specialist	
kzitelman@naruc.org	enethercutt@naruc.org	
William McCurry	Kathryn Kline	
Senior Technical Program Officer Technical Advisor		
wmccurry@naruc.org	kkline@naruc.org	
Hyleah O'Quinn	Sarah Fitzpatrick	
Technical Specialist	Technical Policy Advisor	
hoquinn@naruc.org	sfitzpatrick@naruc.org	
Dominic Liberatore	Jessica Diaz	
Finance and Logistics Manager	Events Coordinator	
dliberatore@naruc.org	jdiaz@naruc.org	

# National Association of State Energy Officials (NASEO)

Kirsten Verclas

Managing Director, Electricity and Energy Security

kverclas@naseo.org

www.naseo.org/

# 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 <u>www.naseo.org</u>

#### NASEO Board of Directors

Chair: Kelley Smith Burk, Florida

Vice-Chair: John Williams, New York Treasurer: Molly Cripps, Tennessee

**Secretary**: Will Toor, Colorado

Past Chair: Andrew McAllister, California Parliamentarian: Jason Lanclos, Louisiana

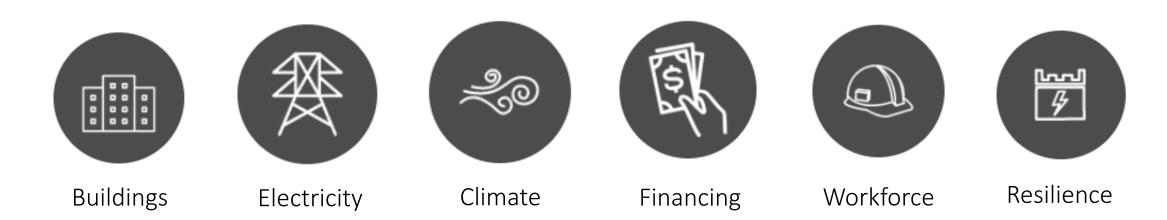
#### Regional Representatives:

Eddy Trevino, Texas
Dan Lloyd, Montana
David Althoff, Jr., Pennsylvania
Mary Beth Tung, Maryland
Michelle Gransee, Minnesota
Chad Kruse, Illinois
Dan Burgess, Maine
Patrick Woodcock, Massachusetts
Kenya Stump, Kentucky
Mitchell Simpson, Arkansas
Michael Furze, Washington

#### Affiliates Co-Chairs:

Anne Smart, ChargePoint Heather Reams, CRES

# NASEO Programs and Priorities









Planning



Innovation



Transportation



Solar



Policy



Security



Infrastructure, Investment, and Jobs Act



Transmission Planning and Policy



**Electric Vehicles and Transportation** 



**Energy Emergency Response and Resilience** 



**Equity and Energy Justice** 



Grid Interactive Efficient Buildings Working Group



State Microgrid Working Group



Industrial/Manufacturing Initiative



**US-India Subnational Forum** 

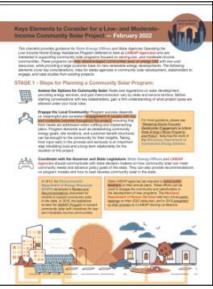


**DER Integration and Compensation** 

# NASEO Programs and Activities Spotlight



LMI



## Energy **Planning**

Trends and Highlights from Recent **Comprehensive State Energy Plans** 

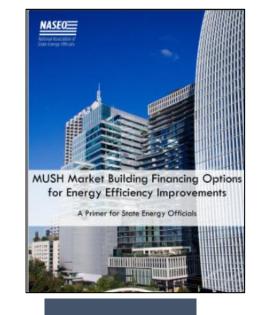




Workforce







Financing

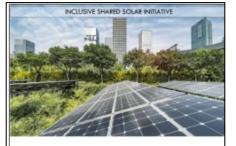


Implementation Plan Designed to Bring Community

Solar Options to Low- and Moderate-Income

Communities in Wisconsin

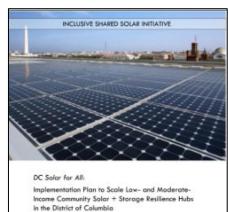
Solar



Equitable Salar Access Project: Implementation Plan for Low- and Moderate-Income Community Solar Deployment in Minnesota

Coming Soon:

- **Critical Minerals** (August 2022)
- **Crisis Communications**
- LMI Community Solar Policy Design



# NASEO Upcoming Events

- <u>LIHEAP Community Solar Subscription Platform Launch</u> August 4, 2022, 12:00pm-1:00pm ET
- NASEO Electricity Committee Webinar: Innovative Technologies to Support a Resilient Transmission System August 4, 2022, 3:00pm-4:00pm ET
- NASEO-NARUC Grid-interactive Efficient Buildings (GEB) Working Group Virtual Forum: Benefit-Cost Analyses (BCA) for GEB Programs
   August 10, 2022, 3:00pm-4:30pm ET
- NASEO Industrial/Manufacturing Initiative: U.S. DOE Advanced Manufacturing Office Programs and Resources August 24, 2022, 3:00pm-4:00pm ET
- NASEO Site Visit and Workshop: Exploring State Carbon Management Policy, Programming, and Technological Opportunities
  - August 31-September 1, 2022 National Carbon Capture Center, Wilsonville, AL
- 2022 NASEO Annual Meeting
   October 11-14, 2022 Hilton St. Petersburg Bayfront, St. Petersburg, FL

# NASEO Staff and Contact



Kirsten Verclas

Managing Director, Electricity and Energy Security

Email: <a href="mailto:kverclas@naseo.org">kverclas@naseo.org</a>



Kelsey Jones
Program Manager, Electricity
Email: kjones@naseo.org

NASEO Staff List: <a href="https://www.naseo.org/naseo-staff">https://www.naseo.org/naseo-staff</a>

# National Governors Association (NGA)

Dan Lauf

Program Director, Energy

dlauf@nga.org

www.nga.org/

# NGA Energy Program: Summer 2022 Update

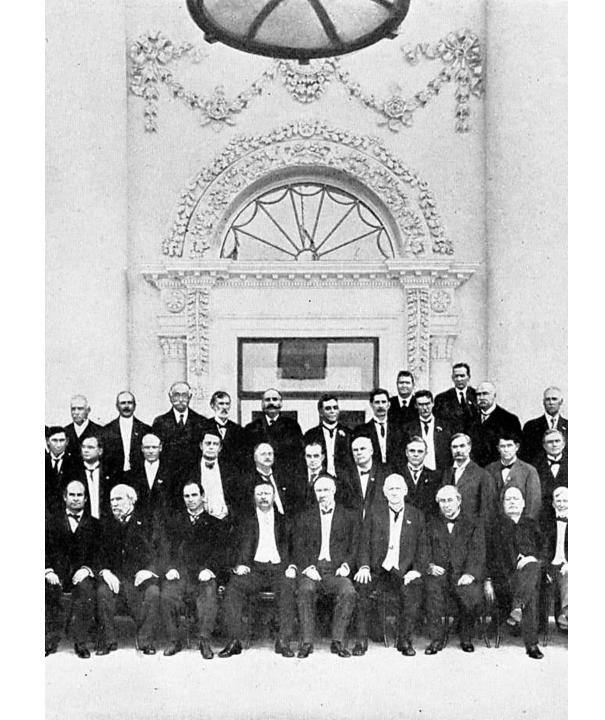
July 29, 2022

Dan Lauf, Program Director, Energy NGA Center for Best Practices



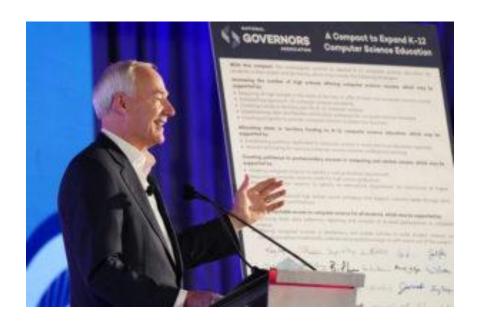
## What is NGA?

Founded in 1908, the National Governors Association is the nonpartisan organization of the nation's 55 governors. Through NGA, governors share best practices, address issues of national and state interest and share innovative solutions that improve state government and support the principles of federalism.



# NGA Center for Best Practices

The NGA Center develops solutions to today's most Program areas: pressing public policy challenges. The Center is the only research and development firm directly serving the nation's Governors.





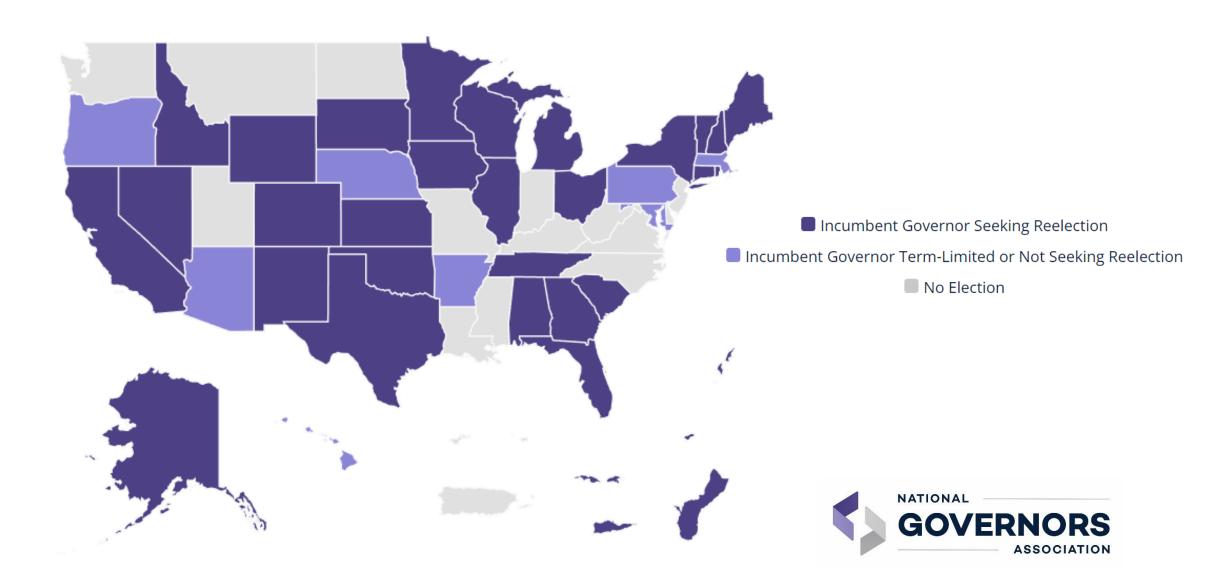
- Children and Families
- Cybersecurity
- Energy
- Environment
- Healthcare Delivery
- Homeland Security
- Infrastructure
- K-12 Education
- Land Management, Agriculture, and Wildlife



- Postsecondary Education
- Public Health
- Public Safety and Legal Counsel
- Workforce Development and Economic Policy



# **2022 Gubernatorial Elections**



# Recent Resources



#### **Issue Brief**



# States' Role in Addressing Foreign Threats in U.S. Critical Energy Infrastructure Sectors

#### **Executive Summary**

The safety and economic security of the United States are dependent on the integrity of the nation's critical energy infrastructure systems, including power, natural gas, and petroleum. Failure of critical assets in any of these systems could have catastrophic impacts on communities, businesses and national defense. Energy is also the backbone of all other critical infrastructure systems, meaning that an energy supply failure could have cascading effects on transportation, water, telecommunications, finance, healthcare and other sectors.

While all energy infrastructure is important, critical energy infrastructure can be defined as physical or virtual energy systems and assets so vital that the incapacity or destruction of such systems and assets would have a debilitating impact on national security, economic security, public health or safety, or any combination of those matters. These consist of energy generation/production, transmission, and distribution systems that power hospitals, wastewater treatment plants, communications towers, food distribution facilities, residential communities, and defense installations, and are key targets of foreign cyber adversaries. Successful cyber-attacks from our nation's foreign adversaries against energy systems could undermine the continuity of business and government operations, destabilize local economies, and even jeopardize public health.

To deter, detect, and defend these entities requires the cooperation of state government along with federal interagency partners and energy sector entities. Governors are uniquely positioned to convene these stakeholders and implement policies that address these threats. This issue brief will examine the vulnerabilities of critical energy infrastructure sectors and assets to foreign threats and identify possible Gubernatorial actions to address those vulnerabilities.

# States' Role in Addressing Foreign Threats in U.S. Critical Infrastructure

Report available at: <a href="https://www.nga.org/center/publications/states-role-in-addressing-foreign-threats-in-u-s-critical-energy-infrastructure-sectors/">https://www.nga.org/center/publications/states-role-in-addressing-foreign-threats-in-u-s-critical-energy-infrastructure-sectors/</a>





# Executive Authority During Energy Emergencies



A ROAD MAP FOR GOVERNORS

# Executive Authority During Energy Emergencies

- Understand state and federal legal authorities
- Learn about key decision points
- Identify when to execute formal and informal actions
- Provide guidance on communication strategies

Report available at: <a href="https://www.nga.org/center/publications/executive-authority-during-energy-emergencies/">https://www.nga.org/center/publications/executive-authority-during-energy-emergencies/</a>

NATIONAL

# **NGA IIJA Resources Page**



# IIJA IMPLEMENTATION RESOURCES

As Governors lead on implementing the historic bipartisan Infrastructure Investment and Job National Governors Association will be continuing to provide timely and actionable resources for Governors and their staff to convene and collaborate, and maintain relationships with crit local, and private sector stakeholders. This page will serve as a one stop shop for information

#### **Federal Resources**

- ▶ Department of Transportation
- ▶ Department of Commerce / National Telecommunications and Information Agency
- ▶ Department of Energy
- ► Environmental Protection Agency
- ▶ Federal Permitting Improvement Steering Council
- ► Additional Federal Resources

#### **IIJA Guidebook Released**

After previewing the Infrastructure Investment and Jobs Act guidebooks to Governors at the Winter Meeting, the White House released the online version to provide information outlining resources in the infrastructure package. This guidebook is a roadmap to the funding available under the law, as well as an explanatory document that shows direct federal spending at the program level. The White House has also released an IIJA Rural Playbook, which identifies programs set aside for rural communities under the law and overviews key flexibilities and other benefits available.

The White House hosted a series of webinars for implementation stakeholders to provide an in-depth look intro the programs contained within chapter of the IIJA Guidebook. Summaries of select webinars can be found here. Full videos of the infrastructure school webinars can be found here.

Full details of all transportation and broadband programs, and other select programs, are available in a searchable table below.

#### Calendar Of Upcoming IIJA Funding Opportunities And Milestones

- May 13, 2022 onwards eligible entities can submit a corridor proposal under the FRA Corridor Identification Program
- July 18, 2022 Completed Letter of Intent for NTIA's Broadband Equity, Access and Deployment Program due through application portal
- July 19, 2022 Submission deadline for full applications for DOE Electric Drive Vehicle Battery Recycling and Second-Life Applications Funding Opportunity
- July 25, 2022, proposals due for USDOT's Pilot Program for Transit Oriented Development (TOD) Planning
- July 21, 2022 Full Proposals due for USDA/DOI/DOD's America the Beautiful Challenge 2022 Request for Proposals
- July 25, 2022 Planning Funding Opportunity applications due for 2022 Competitive Bridge Investment Program
- July 28, 2022 Applications close for WaterSMART Water and Energy Efficiency Grants for FY2023
- July 29, 2022 Letters of Intent due for NOAA's Coastal Zone Management Habitat Protection and Restoration Grant program
- July 29, 2022 Letters of Intent due for NOAA's National Estuarine Research Reserve System Habitat Protection and Restoration Grants program

- Provides the latest federal resources, including a calendar of current IIJA funding opportunities, RFIs and other deadlines
- Offers a searchable table of IIJA programs with latest information and links to Federal pages
- Offers insights from Associations and NGA partners
- Provides the latest NGA analysis and updates
- Available at <u>www.nga.org/iija-implementation</u>



# **Energy Commentaries**

#### **Governors Start 2022 With A Focus On Electric And Alternative Fuel Vehicles And Networks** Infrastructure, Energy, And Broadband Mar. 8, 2022 | Commentary White House Infrastructure Webinars Mar. 4, 2022 | Commentary In Governors' 2022 State of the and alternative fuel vehicles and Apr. 20, 2022 | **Commentary** At the 2022 State of the Union, Pre which he signed into law last Nove infrastructure decade." The White House is hosting a series of webinars for implementation stakeholders to provide an in-depth look into the programs contained within the chapters of "A Guidebook to the Bipartisan Infrastructure Law."

Available here: <a href="https://www.nga.org/bestpractices/energy/?tx">https://www.nga.org/bestpractices/energy/?tx</a> category=commentary



# 2022 Areas of Focus



# Clean Energy and Grid Modernization

#### **Grid Modernization and New Technology Deployment**

- Fall 2022: State Summit on Electric and Alternative Fuel Vehicles
- Governors Guide to Transmission Siting and Permitting
- Issue Brief on Equitable Deployment of Distributed Energy Resources
- Forthcoming issue brief and training on grid modernization and resilience

#### **Nuclear Energy Generation** Development and Support

- Governor's guide to nuclear energy policies and regulations (geared to new governors elected in fall 2022)
- Policy brief exploring opportunities for **integrated energy systems** (e.g., nuclear paired with hydrogen production and other emerging applications)
- Ongoing Technical Assistance

#### Support for Energy-Producing States and Communities

- Research and best practices documentation for state hydrogen hubs
- Workforce planning and economic development for fossil fuel communities



# **Energy Security and Resilience**

#### **Energy Emergency Preparedness and Response**

- <u>Executive Authorities During Energy Emergencies</u> (including considerations for concurrent public health emergencies)
- Energy security for vulnerable and at-risk communities

#### **Energy Cybersecurity Preparedness**

- June 2022: Energy track at the NGA Cybersecurity Summit
- Crisis Communications Roundtable and Playbook (with NASEO)
- Ensuring the security of distributed energy resources
- State participation in GridEx:
  - Supporting a four-state cohort following GridEx VI (Nov. 2021)
  - Partnership with E-ISAC to scope state role and support state participation in GridEx VII (Nov. 2023)

#### **Energy Infrastructure Resilience**

- July 2022: State Learning Lab on Energy and Critical Infra Resilience
- State Resilience Assessment and Planning Tool implementation



## **Energy Policy Technical Assistance**

#### **Legislative Energy Horizons Institute (with NCSL)**

- Policy advisors from five Governors' offices participating in 2022
- Sessions scheduled for August (Richland, WA) and November (Washington, DC)

#### **Prepare for 2023 Gubernatorial transitions**

- Elections will be held in 36 states and three territories.
- Developing briefing materials and resources
- 2023 Energy Policy Institute and Bootcamp for New Governors' Advisors
- Planning in-depth trainings on energy security, resilience, and system modernization in 2023

#### **On-demand Technical Assistance**

Contact Dan Lauf (<u>dlauf@nga.org</u>) with requests



## Thank You!

Dan Lauf

dlauf@nga.org

202-624-5427



## National Conference of State Legislatures (NCSL)

Aaron Ray

Associate Director – Environment, Energy, Transportation

aaron.ray@ncsl.org

www.ncsl.org/



Aaron Ray

Associate Director – Environment, Energy, Transportation

July 29, 2022

## Who We Are

#### NCSL's Energy Policy Experts



#### **DENVER**











Aaron
Ray
Associate Director

303.856.1515 303.856. Aaron.Ray@ncsl.org Daniel.Sh

Daniel
Shea
Program Principal

303.856.1534
Daniel.Shea@ncsl.org

Austin Igleheart Policy Associate

303.856.1509 Austin.lgleheart@ncsl.org

Christopher McMichael Policy Associate

303.856.1511 Christopher.McMichael@ncsl.org

Ben
Husch
Federal Affairs
Counsel, NRI
Committee

Ben.Husch@ncsl.org

Hildreth
Senior Policy
Specialist, StateFederal Relations
202.624.3597
Kristen.Hildreth@ncsl.org

Kristen

## Recent and Upcoming Events



#### Task Force on Energy Supply



#### Mission

The NCSL Task Force on Energy Supply brings together legislators to examine critical energy issues that policymakers face as they shape energy policies to build a reliable, affordable and resilient national energy system. The Task Force, created in 2009, consists of legislators and legislative staff with experience and an interest in developing and analyzing state energy policy.

Ensuring a long-term, affordable and stable energy supply has been a top concern of state policymakers.

As state decision-makers create and shape energy policy, they are confronting the challenge of utilizing the growing wealth of North American energy resources and incorporating new energy technologies in a way that energizes the economy while addressing environmental concerns:

The task force also provides NCSL with guidance as it develops energy policy resources for legislators and legislative staff.

#### **NCSL Task Force On Energy Supply**

Co-Chair: Senator Eric Koch, Indiana Co-Chair: Senator David Koehler, Illinois

NCSL Contacts: Aaron Ray (Denver)

#### NCSL Nuclear Legislative Working Group

11/17/2021

#### Mission

The mission of NCSL's Nuclear Legislative Working Group (NLWO) is to provide legislative members with the opportunity to learn about the cleanup of federal nuclear weapons production and research facilities, the transportation and storage of radioactive wastes, and nuclear energy issues that affect our nation and states. The Working Group helps guide NCSL policies that serve as the basis for NCSL's advocacy before the federal government on behalf of state legislatures. The NLWG is made up of legislators from select states that are appointed by state legislature leadership. The Working Group is supported by funding from the U.S. Department of Energy's Office of Environmental Management and Office of Nuclear Energy.

#### Officers

Co-Chair: Senator Mattie Hunter, Illinois

Co-Chair: Representative John Ragan, Tennesse

#### Members

- · Representative Mark Finchem, Arizona
- Representative Gail Griffin, Arizona
- Senator Frank Pratt. Arizona
- Representative Rick Beck, Arkansas
- Representative Joe Cloud, Arkansas
- Representative Aaron Pilkington, Arkansas
- Senator Toni Atkins, California
- Senator John Laird, California

- Senator Bob Smith, New Jersey
- Representative Eliseo Alcon, New Mexico
- Representative Cathrynn N. Brown, New Mexico
- Representative Christine Chandler, New Mexico
- Representative David Gallegos, New Mexico
- Senator Leo Jaramillo, New Mexico
- Representative Matthew McQueen, New Mexico
- Representative Andrea Romero, New Mexico

## NCSL Energy Policy Summit | July 31, 2022



#### NCSL Energy Policy Summit

Sunday, July 31, 2022 - 12 PM to 5 PM

#### Preconference to NCSL's Legislative Summit

Learn more about the nation's energy system with a focus on new and emerging state policy trends, including the states' role in managing the energy transition, energy justice, and energy market fundamentals.

## The Legislative Energy Horizon Institute | LEHI

3/14/2023



#### Legislative Energy Horizon Institute

The Legislative Energy Horizon Institute is the preeminent policy program designed to educate state legislators and policymakers about the North American energy infrastructure and delivery system. Since its inception in 2009, LEHFs comprehensive curriculum has helped policymakers understand how energy systems and infrastructure work, how energy infrastructure is built and financed and how emerging regulatory and market factors impact energy infrastructure.

#### Legislator Application to Join the 2022 LEHI Cohort

Apply Here

Task Force on Energy Supply
May 18-19, Seattle
July 30-31, Denver
December 8, San Diego (Tent)

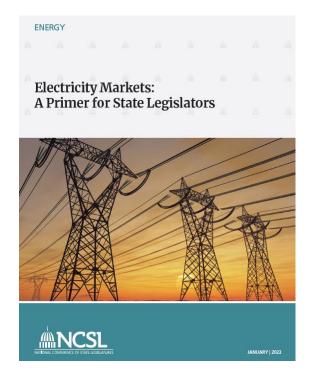
June 21-23, Oak Ridge November 28, New Orleans (Tent) Energy Policy Summit
July 31, Denver

<u>Legislative Energy Horizon</u> <u>Institute</u>

August 5-9, Richland November 16-19, Washington, DC

## **Recent Publications**





Electricity Markets: A Primer for State Legislators

**ENERGY** 

#### 2021 Legislative **Energy Trends**

BY AARON RAY, DANIEL SHEA, CHRISTOPHER MCMICHAE

#### Introduction

ic and its associated impacts on individuals and the economy, ener gy policy discussions across state legislatures continued to address the highest energy-related priorities in each state. The issues includ-ed reducing emissions and promoting clean energy, supporting existing energy production and electricity generation and managing the ticipated electrification of the vehicle fleet. State legislatures con sidered more than 4,600 energy-related measures in 2021 covering a wide range of policies, with approximately 15% of the introduced this legislative session indicate the direction in which state energy

states enacted significant legislation related to reducing greenhouse gas emissions and supporting the growth of clean energy. States also continued to consider how to address the impacts of the energy transition on disadvantaged communities and communities that have relied on fossil fuel production. Transportation electrification have relied on tossi fuel production. Transportation electrinication continues to be an area of active policymaking, with states both en-acting incentives to purchase vehicles and build out charging infra-structure and considering ways to address the long-term decline in transportation funding generated by fuel taxes. Workforce development continued to be a critical issue as the energy sector moderniz-es and manages the energy transition. The impacts of the COVID-19 pandemic continued to affect every sector of society and the economy in 2021, although legislative action related to the pandemic's impact on the energy sector waned relative to 2020.



bills that continue the energy trends of 2021 and, in some cases, rei troducing energy measures that failed to be enacted in the last legis lative session. One outstanding question legislatures will face is how if at all, to engage on issues that will be transformed by the Federa ent and Jobs Act (H.R. 3684) which was signed into law on Nov. 15, 2021. This bill included several provisions the for grants to improve the resiliency to of the electricity grid, along with other investments. As federal agencies begin to implemen

ing trends in state energy policy and identifying topics likely to take priority in 2022 and beyond.

#### Climate Change & Emissions

energy sector continues to be considered among state legislature Most states already have some type of legislation addressing climate change or emissions on the books. In 2021, 20 states, Washington D.C., and Puerto Rico enacted more than 100 bills that addressed emissions reductions or the impacts of climate change.

also considered legislation specifically targeted at addressing the im



2021 Legislative Energy **Trends** 

**ENERGY** 

#### **Energy Justice** and the Energy **Transition**

BY CHRISTOPHER MCMICHAEL

#### Introduction

Energy justice is an emerging topic that is receiving attention at the federal and state levels. The U.S. Department of Energy is actively working to implement the Biden administration's Jua goal that 40% of the overall benefits from federal investments climate and clean energy flow to disadvantaged communities. At the state level some state legislatures have considered measures related to energy justice. Building off the tenets of envi energy justice refers to the concepts of equity, affordability, accessi bility and participation in the energy system and energy transition regardless of race, nationality, income or geographic location.

Advocates for energy justice promote policy measures aimed at reducing energy costs and burdens on low-income customers, avoiding disproportionate impacts and ensuring the equitable distribution of the benefits of energy generation, transmission and transition, ac-cess to reliable and clean energy, and participation for communities in energy sector decision-making and development. This paper will examine recent state policy related to energy justice, including energy affordability, infrastructure siting, community renewable energy development, and the incorporation of energy justice consideration into broader emissions reduction and renewable energy programs.

#### Energy Affordability and Access

The affordability of and access to reliable energy is at the heart of energy justice. Referred to as an "energy burden," studies have shown States handle this financial assistance in at least two ways. States that communities of color and low-income families pay a significantly higher share of their income in energy costs. National data show that on average, low-income households pay nearly 9% of their income in types of programs are known as Percentage of Income Payment Pro





ated 25% of households have a high energy burden, co sidered to be above 6% of household income. An additional 13% of American households have a severe energy burden of paying more 10% of their income on energy. The energy burden has been an issue for communities and legislators for decades and is the impetus behind federal programs such as LIHEAP and other state programs

More recently, energy affordability was brought to the forefront by the COVID-19 pandemic. While nearly every state took action to provide utility bill-payment assistance and disconnection moratorium to people facing economic hardship during the COVID-19 pandemic some states have taken more permanent actions recently regarding bill payment assistance for low to moderate income co

can cap utility costs at a certain percentage of a customer's income, which effectively levels the "energy burden" for all customers. These

BRIEF

#### **FEMA Funding for Energy Resilience:** Highlighting the Role of State Legislatures

Key Considerations for Securing Funding Through the Building Resilient Infrastructure and Communities Program and the Hazard Mitigation Grant Program



#### BY AUSTIN IGLEHEART

#### Introduction

Through FEMA's Hazard Mitigation Grant Program (HMGP) and Building Resilient Infrastructure and Communities (BRIC) Program, state legislatures can leverage their leadership role to expand and of disasters and energy emergencies. State legislatures shape the overall response to emergencies and facilitate recovery in how they define agency roles, establish priorities and allocate funding.

infrastructure, energy projects are a potential focal point because energy is essential for daily life and all other critical infrastructure sectors depend on power or fuel to operate. Prioritizing or supporting the development of energy projects ensures communities continue to benefit from a stable supply of energy. From an energy perspective, the funds may be used to harden electric infrastructure relocate hazard-prone infrastructure, install renewable energy gen-eration or storage, and for microgrids, among other projects. Mitigation projects and planning, building code enforcement, project

#### Considerations for State Legislatures

and effectively leverage HMGP and BRIC funding for energy projects. Addressing these considerations can increase the chances your state's HMGP and BRIC applications will be accepted and that

States must have a FEMA-approved hazard mitigation plan t receive HMGP and BRIC funds. Any local government subapplicants usually must also have an approved hazard mitigation plan. While state legislatures do not directly develop plans, they can ensure state agencies and local governments update their mit-igation plans regularly. In the face of new threats and more extreme weather events, state legislatures can also prioritize energy resources in these plans by requiring that the plans address e erry resilience to various disasters. State legislatures may further require mitigation planning to include energy officials, utility regulators and energy stakeholders to provide input on energy res



**Energy Justice and the Energy Transition** 

MNCSL

**FEMA Funding for Energy** Resilience

## **Recent Webinars**



## Natural Resources and Infrastructure Committee 2022 Spring Washings Series

2/25/2022



NCSL's Natural Resources and Infrastructure Committee is pleased to present its annual Spring Webinar Series. This year, the committee will host five webinars beginning April 7 and concluding June 9.

NCSL Webinars allow attendees to participate in meetings taking place around the world from the comfort of their desks. They are collaborative, interactive and easy to use.

Most webinars will be recorded for those who are unable to attend the live meeting.

April 7: Orphaned No More: Federal Oil and Gas Well Reclamation

April 21: Microgrids: State and Utility Efforts to Enhance Energy Resilience

May 26: <u>Hardening Electric Infrastructure: What Works and How to Fund It</u>

June 2: School Bus Electrification: State Policy Options

June 16: <u>Identifying and Mitigating Risks</u>: <u>Utility and State Planning Practices</u>



# National Association of Clean Air Agencies (NACAA)

Miles Keogh

**Executive Director** 

mkeogh@4cleanair.org

www.4cleanair.org/

# National Association of State Utility Consumer Advocates (NASUCA)

Jennifer Easler

Iowa Consumer Advocate

jennifer.easler@oca.iowa.gov

www.nasuca.org/



## Recent NASUCA Resources

## LBNL Future Electric Utility Regulation Innovation Series: The Role of Innovation in the Electric Sector

NASUCA participated in this paper published in April 2022. Other authors included the Blue Green Alliance, Institute for Electric Innovation, Sunrun, and Build Edison. A <u>presentation</u> is also available.

NASUCA Resolution 2022-01 Consumer Protection Policies for Transmission and Distribution Planning available at <a href="https://www.nasuca.org/advocacy/resolutions/">https://www.nasuca.org/advocacy/resolutions/</a>.

#### **Regulatory Basics Courses**

NASUCA is beginning to develop a consumer advocate-based training library on basic regulatory topics and process. Webinars available at <a href="https://www.nasuca.org/resources/regulatory-basics-courses/">https://www.nasuca.org/resources/regulatory-basics-courses/</a>.



## Recent NASUCA Resources

## NASUCA Summer DOE/LBNL Grid Training Series

- June 14 (NASUCA Mid-Year Meeting) Grid modernization plans: Review and Assessment of Proposed Investments
- June 14 (NASUCA Mid-Year Meeting) State regulatory approaches for distribution planning
- June 14 (NASUCA Mid-Year Meeting) Performance-based regulation (PBR): multiyear rate plans and performance-based incentives
- June 27 (Webinar) Resource, Asset and Contingency Planning with Climate Variability
- June 29 (Webinar) Coordinating Distribution, Transmission, and Resource Planning

Recordings and slides available at <a href="https://www.nasuca.org/resources/doe-lbnl-grid-training/">https://www.nasuca.org/resources/doe-lbnl-grid-training/</a>



# Association Conferences

- NASUCA Mid-Year Meeting in Indianapolis,
   June 12-15, 2022
- 2022 Water Conference, June 30, 2022
- NASUCA Annual Meeting (with NARUC), New Orleans, November 13-16, 2022







NCEP Annual Meeting
The Evolving Customer
September 22-23, 2022
Washington, D.C.

https://www.naruc.org/ncep/
All resources

www.naruc.org/mynaruc
To be placed on the listserv