



NATIONAL COUNCIL  
ON ELECTRICITY POLICY

# NCEP Member Update

Current and Upcoming  
Activities, Resources, and  
Priorities

**February 24, 2023**

# Welcome

- This webinar is being recorded. The presentation and recording will be posted at [www.naruc.org/ncep/](http://www.naruc.org/ncep/).
- 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/](http://www.naruc.org/mynaruc/).

# Agenda

Item	Speaker
Welcome and <b>NCEP</b>	<b>Sarah Fitzpatrick</b> , NCEP/NARUC
National Association of State Utility Consumer Advocates ( <b>NASUCA</b> )	<b>David Springe</b> , Executive Director
National Conference of State Legislatures ( <b>NCSL</b> )	<b>Dan Shea</b> , Program Principal – Energy
National Association of State Energy Officials ( <b>NASEO</b> )	<b>Kirsten Verclas</b> , Senior Managing Director, Electricity and Energy Security
National Association of Regulatory Utility Commissioners ( <b>NARUC</b> )	<b>Danielle Sass Byrnett</b> , Senior Director, Center for Partnerships & Innovation
National Governors Association ( <b>NGA</b> )	<b>Dan Lauf</b> , Energy Program Director
National Association of Clean Air Agencies ( <b>NACAA</b> )	<b>Miles Keogh</b> , Executive Director



# National Council on Electricity Policy

Sarah Fitzpatrick  
Technical and Policy Advisor  
NARUC Center for Partnerships and Innovation  
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# 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:**

**John Espindola**, *Alaska Office of the Governor*

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

Hon. **Marissa Paslick Gillett**, *Connecticut Public Utility Regulatory Authority – NCEP Vice President*

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

**Mike Dowd**, *Virginia Department of Environmental Quality*

Senator **Eric Koch**, *Indiana State Senate*

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

**Jennifer Easler**, *Iowa Consumer Advocate*

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

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



# Theme of 2023: Affordability

Covering topics such as:

- The role of energy efficiency, demand response, distributed resources/solar, and community power in reducing energy bills
- How energy burden information is utilized in different areas
- Policy tools and programs that have been effective at achieving long-term affordability
- How equity is incorporated into policies and tools
- Opportunities to lower customer costs
- Mechanisms for data-sharing between state agencies and utilities

...and more

# Resources and Upcoming Events

[www.naruc.org/ncep/](http://www.naruc.org/ncep/)

## Upcoming Events

Summer 2023 (date TBD, in-person) Indianapolis, IN - **NCEP Annual Meeting**

## Mini-Guide Series

[PUCs and the Investment Community](#): Opportunities for Engagement (2023)

[Transportation Electrification](#): State-Level Roles and Collaboration among Public Utility Commissions, State Energy Offices, and Departments of Transportation (2022)

[Transmission Siting](#): State Agency Decision-Making (2022)

Engagement between States and [Regional Transmission Organizations](#) (2022)

Engagement between Public Utility Commissioners (PUCs) and [State Consumer Advocates](#) (2021)

Engagement between PUCs and [State Energy Officials](#) (2020)

Engagement between PUCs and [State Legislatures](#) (2019)

Engagement between PUCs and [State Legislatures](#) (2019)

State Agency Coordination During [Energy-Related Emergencies](#) (2019)

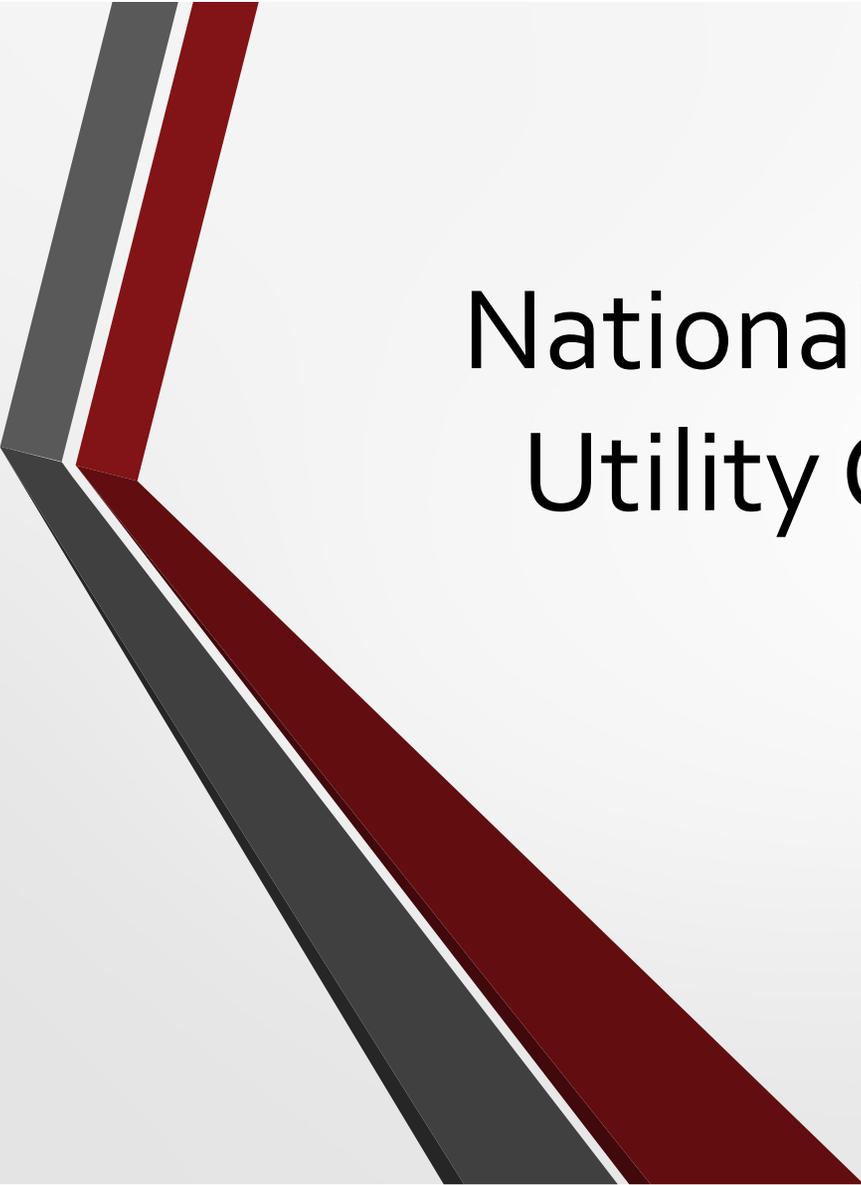
[Local Government Engagement](#) with PUCs (2019)

## Mini-Guides in Development

NACAA and Air Regulators

## 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. <sup>8</sup>



# National Association of State Utility Consumer Advocates (NASUCA)

David Springe

Executive Director

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[www.nasuca.org/](http://www.nasuca.org/)

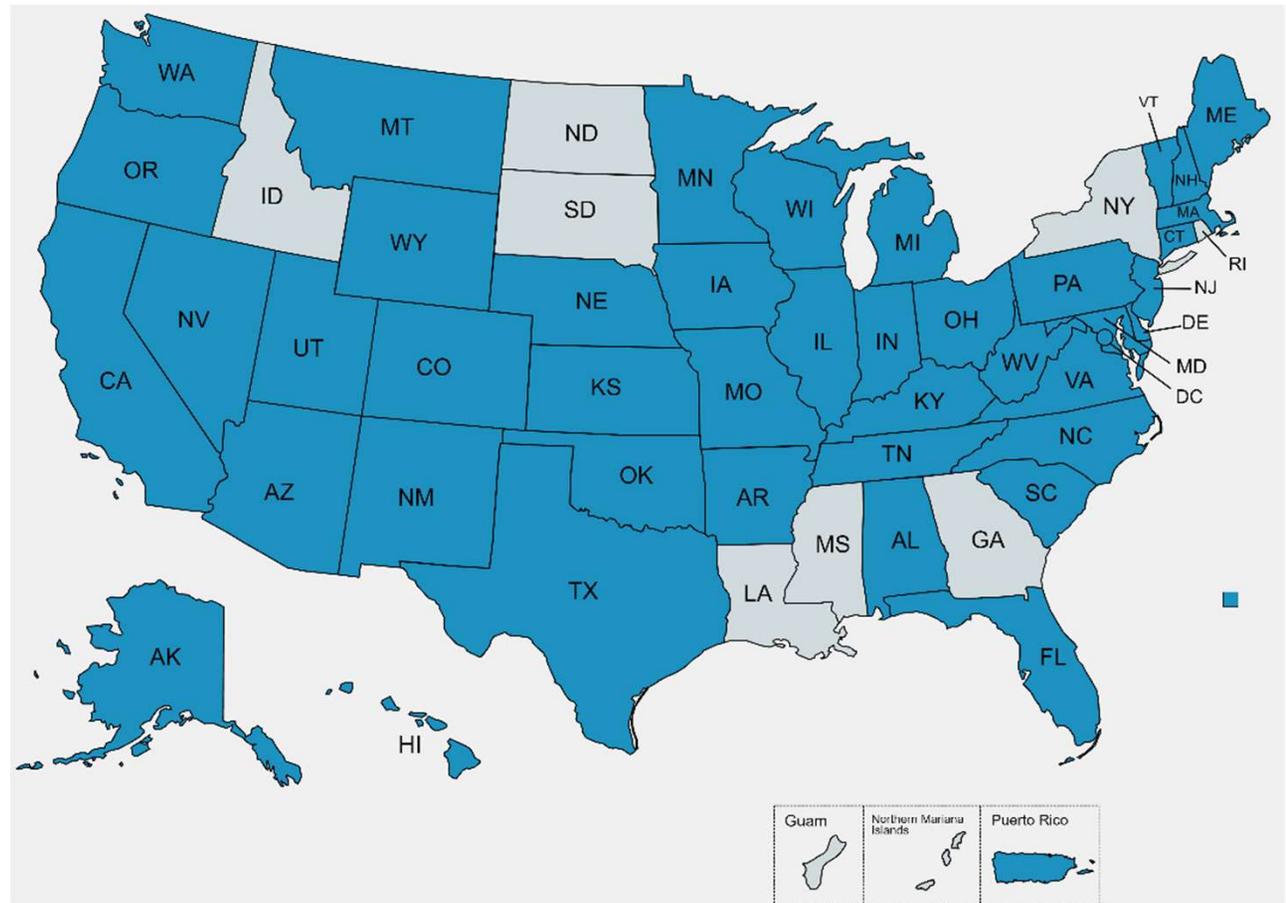
# Who We Are



## National Association of State Utility Consumer Advocates (NASUCA)

- Established in 1979
- Association of utility consumer advocates
  - 60 member offices in 44 states and the District of Columbia, Barbados, Puerto Rico, and Jamaica
- Designated by law to represent the interests of utility consumers
  - Operates independent of state regulatory commission
  - Representation before state and federal regulators
  - Right to appeal state regulatory decisions
- State Offices of the Attorney General
- Statutory organization with responsibility for statewide consumer interests
- Associate and Affiliate members – recognize non-statutory utility consumer advocates (California TURN, CUB's, AARP, NCLC, etc)

# Statutory Offices



# Recent NASUCA Resources

- Policy Resolutions – NASUCA Annual Meeting – 2022

[2022 -02 Advancing Equity and Affordability in Utility Regulation Resolution](#)

[2022-03 Federal Telecommunications Equity and Diversity Resolution](#)

- Regulatory Basics Courses

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

# Recent DOE/LBNL Training

## NASUCA DOE/LBNL Grid Training Series – NASUCA Annual Meeting – November 15, 2022

- **Load Management, Demand Response and Efficient Incentives**

This session explores customer use and load shape data to understand usage patterns and how best to build and target load management programs. Sending efficient price signals to best achieve load management results will be addressed at a high level. Broad concepts will then be addressed with respect to electric vehicles.

Peter Cappers Staff Scientist, Electricity Markets and Policy Department Lawrence Berkeley National Laboratory

- **Coordinated Planning with Considerations for Resilience and Equity**

This session addresses the grid planning paradigm and role of states, and consumers and their advocates, to set the direction for grid infrastructure decisions. DOE resilience efforts to meet IJJA requirements will be addressed.

Joseph Paladino Senior Advisor, Office of Electricity, US Department of Energy

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

# Spring and Summer 2023 Upcoming

- Spring 2023 LBNL/DOE Grid Training – 4-part webinar series
- Multi-Part Webinar Series on EV's – public charging, light/heavy duty trucks, cost allocation, rate design
- Association Conferences
  - NASUCA Mid-Year Meeting in Austin, Texas  
**July 16-19, 2023** (With NARUC)
  - NASUCA Annual Meeting, **November 5-8, 2023**, Location TBD

# Contact

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# National Conference of State Legislatures (NCSL)

Dan Shea

Program Principal – Energy

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[www.ncsl.org/](http://www.ncsl.org/)



# Energy Program NCEP Update

Dan Shea

Program Principal – Energy

February 24, 2023

# Recent and Upcoming Events

## Task Force on Energy Supply

6/1/2022



### 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 (NLWG) 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 legislative 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, Tennessee

### 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 Cathryn 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

5/16/2022



### 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

3/14/2022



### 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, LEHI's 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  
July 30-31, Denver  
December 8, San Diego

Nuclear Legislative Working Group  
Nov 29-Dec 1, New Orleans

Energy Policy Summit  
July 31, Denver

Legislative Energy Horizon  
Institute  
August 5-9, Richland, WA  
November 16-19, Washington, DC

# Recent Publications

## *Energy Security – Legislative Review*

Report 

**2021-2022 Energy Security State Legislative Review: Cybersecurity and Physical Security**



Report 

**2021-2022 Energy Security State Legislative Review: Disaster Planning and Ensuring Reliable Service**



Report 

**2021-2022 Energy Security State Legislative Review: Energy Emergency Response, Restoration and Recovery**



# Recent Publications

Brief 

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

Updated July 07, 2022



Report 

## Microgrids: State Policies To Bolster Energy Resilience

Updated June 10, 2022 | Daniel Shea



JCIP

### The Journal of Critical Infrastructure Policy

FALL/WINTER 2023

Editor-in-Chief's Letter  
*Richard M. Krieg*

Small Nuclear Reactors Essential to the US Energy & Climate Change Future  
*Editor-in-Chief's Interview with NEI President & CEO Maria Koronick*

Nuclear Policy in the States: A National Review  
*Daniel Shea*

How Advanced Nuclear Generation Technologies Support Electric Grid Resilience  
*Richard Mroz*

Editorial: The Energy Transition: Advanced Nuclear Needed but Address Climate Vulnerabilities Now  
*Andrew Bochman*

The Post-Industrial and Appalachia (PIMA) Nuclear Alliance  
*Jean-Paul Allain and Sandra Allain*

Challenges to Implementing Microreactor Technologies in Rural & Tribal Communities  
*Hillary Fishler, Nahuel Guaita, Dawn Davits, and Joshua Fishler*

Stormwater Capital Improvement Planning: A Framework for Project Identification and Prioritization for Pluvial Flood Mitigation  
*Johann Wüller*

Practice Advances: Outcomes of the 2022 InfraGard National Disaster Resilience Council Summit  
*Mary Lasky*

The Electromagnetic Threat to the US: Recommendations for Resilience Strategies  
*Samuel Avertit, Erik Dahl, Daniel Eisenberg*

# Recent Publications

## State Legislatures Magazine



**New Support for Energy Projects and Transition to Low-Carbon Power**  
December 5, 2022

State Legislatures News | Energy



Major federal investments are allowing state legislatures to pursue new energy policy goals and manage the impacts on consumers, workers and industry of the ongoing transition away from fossil fuels to low-carbon energy sources.

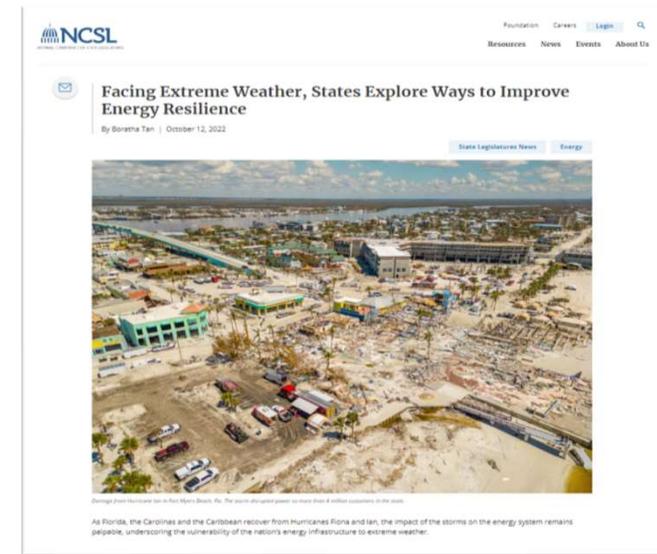


**States Move to Protect Energy Infrastructure**  
By Borztha Tan | November 9, 2022

State Legislatures News | Energy



Cars in line at a Dallas gas station after a 2021 stormware closed several pipelines to shut down its gasoline, diesel and jet fuel transport operations—leaving 3 million barrels of fuel per day—shut down.



**Facing Extreme Weather, States Explore Ways to Improve Energy Resilience**  
By Borztha Tan | October 12, 2022

State Legislatures News | Energy

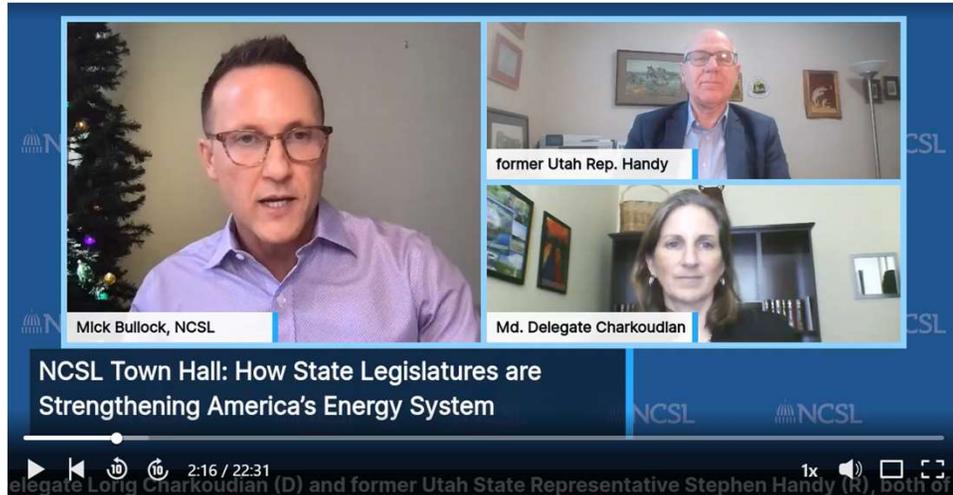


As Florida, the Carolinas and the Caribbean recover from Hurricanes Fiona and Ian, the impact of the storms on the energy system remains palpable, underscoring the vulnerability of the nation's energy infrastructure to extreme weather.

## Upcoming Publications

- *2022 Legislative Energy Trends Report*
- *Performance-Based Regulation Primer*
- *Transmission Planning Primer*
- *Integrated Distribution Planning Primer*
- *The Role of Nuclear in the Clean Energy Transition*
- *FEMA Funding for Tribal Nations*

# Podcasts & Other Media



[BACK TO EPISODES](#)



**How Two New Federal Laws Will Change the Energy System | OAS Episode 174**

NOVEMBER 6TH, 2022 | 44:25 | E174



# Upcoming Webinars



## Energy, Environment and Transportation 2023 Spring Webinar Series

March 3: Growing into the Future: Water-Resilient Agriculture – [Register](#)

March 17: The Big Burn: Actions to Mitigate Wildfire Risk and Build Forest Resilience - [Register](#)

April 21: Energy Storage as Resilience – [Register](#)

May 19: Strengthening 911 Systems: State Policy Options – [Register](#)

June 16: Integrated Utility System Planning: Factoring in the Distribution Grid - [Register](#)



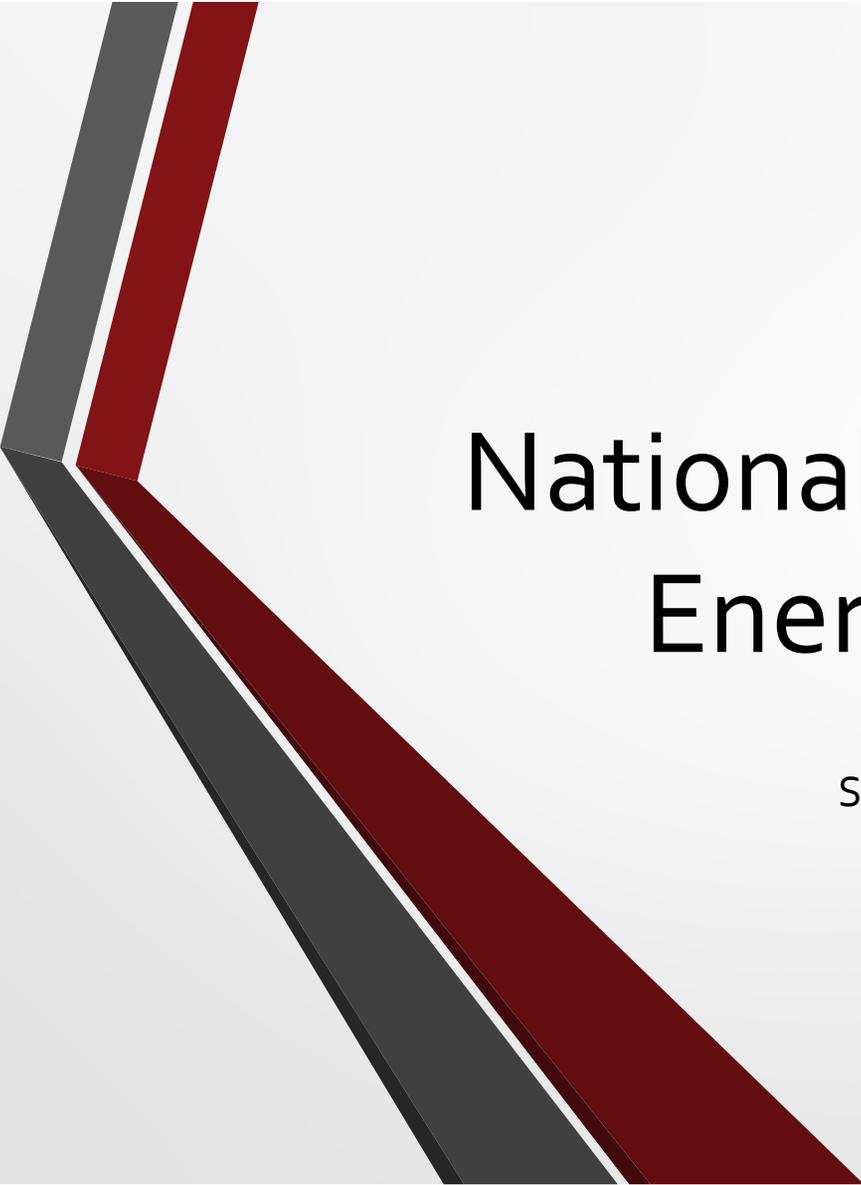


# Energy Program NCEP Update

Thank you!

For more information visit:

<https://www.ncsl.org/energy>



# National Association of State Energy Officials (NASEO)

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[www.naseo.org/](http://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 [www.naseo.org](http://www.naseo.org)

## NASEO Board of Directors

**Chair:** John Williams, New York

**Vice-Chair:** Molly Cripps, Tennessee

**Treasurer:** Dan Lloyd, Montana

**Secretary:** Will Toor, Colorado

**Parliamentarian:** Jason Lanclos, Louisiana

**Member at Large:** Michelle Gransee,  
Minnesota

**Past Chair:** Andrew McAllister, California

## **Regional Representatives:**

Dan Burgess, Maine

Patrick Woodcock, Massachusetts

David Althoff, Jr., Pennsylvania

Karen Lasure, West Virginia

Mitchell Simpson, Arkansas

Kenya Stump, Kentucky

Chad Kruse, Illinois

Michael Furze, Washington

Richard Stover, Idaho

Eddy Trevino, Texas

## **Affiliates Co-Chairs:**

Anne Smart, ChargePoint

Heather Reams, CRES

# NASEO Programs and Priorities



Buildings



Electricity



Climate



Financing



Workforce



Resilience



Equity



Planning



Innovation



Transportation



Solar



Policy



Security



Infrastructure, Investment, and Jobs Act and Inflation Reduction Act Implementation



Transmission and Distribution Planning and Policy



Electric Vehicles and Transportation



Energy Emergency Response and Resilience



Equity and Energy Justice



Grid Interactive Efficient Buildings Working Group



Clean Hydrogen



Industrial/Manufacturing Initiative

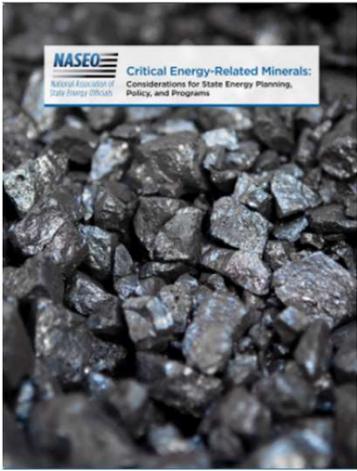


US-India Subnational Forum



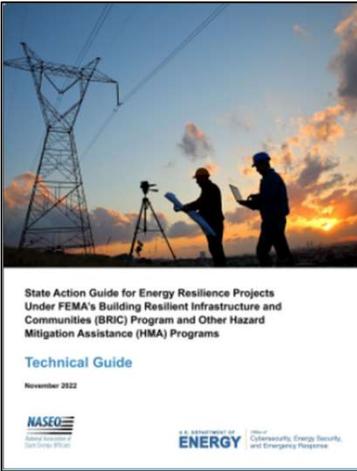
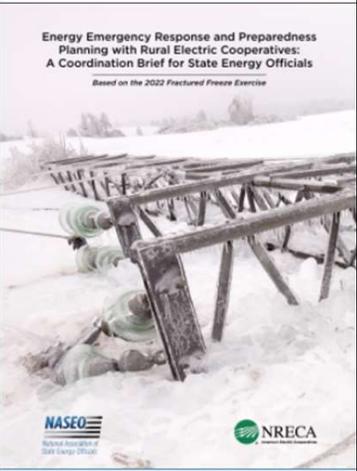
DER Integration and Compensation

# NASEO Programs and Activities Spotlight

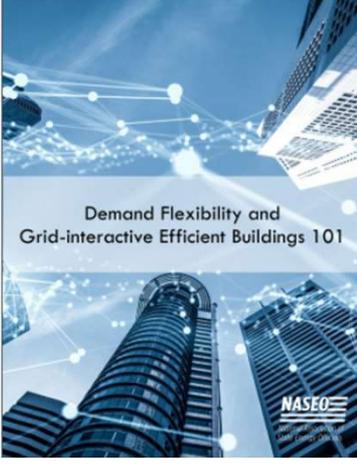


# Critical Minerals

# Energy Emergency



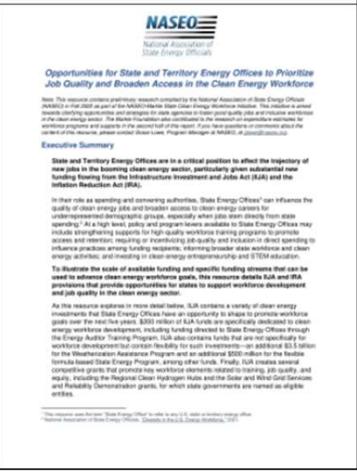
# BRIC Program



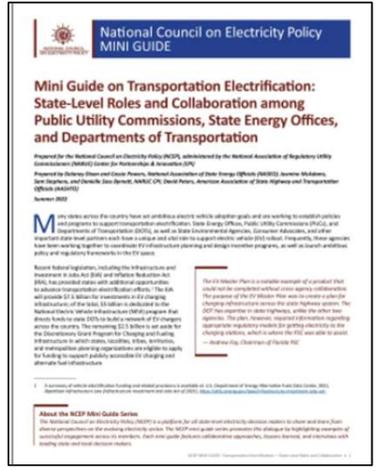
# GEB 101 and Energy Efficiency



# Workforce



# EV and Transportation



# NASEO Upcoming Events

[NASEO Industrial/Manufacturing Working Group Forum: DOE Advanced Energy Manufacturing Grants and Industrial Demonstrations Programs](#)

March 1, 2023, 3:00pm-4:30pm ET

[NASEO-AASHTO EV Charging Infrastructure Regional Meetings](#)

March 8-9, 2023 - Denver, CO

[NASEO-AASHTO EV Charging Infrastructure Regional Meetings](#)

March 15-16, 2023 - Nashville, TN

[Energy Security Bootcamp](#)

April 4-6, 2023 - Louisville, KY

## NASEO Regional Meetings

- [NASEO Mid-Atlantic Region Meeting](#)  
May 10-11, 2023 - DE
- [NASEO Northeast Region Meeting](#)  
May 17-18, 2023 - NY
- [NASEO Midwest Region Meeting](#)  
May 31-June 1, 2023 - MO
- [NASEO Southeast Region Meeting](#)  
June 6-7, 2023 - AL
- [NASEO West Region Meeting](#)  
June 12-13, 2023 - ID
- [NASEO Central Region Meeting](#)  
June 27-28, 2023 - ND

# NASEO Staff and Contact



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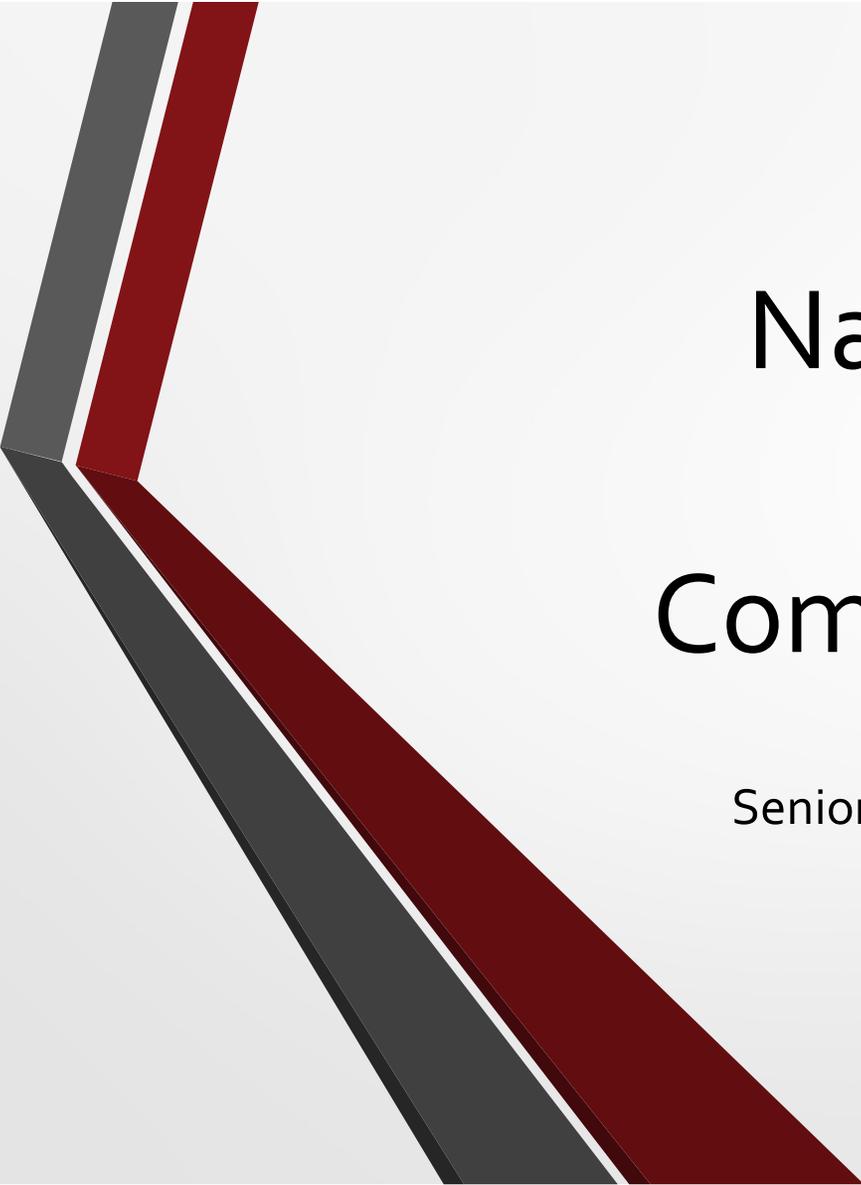


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NASEO Staff List: <https://www.naseo.org/naseo-staff>



# National Association of Regulatory Utility Commissioners (NARUC)

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[www.naruc.org/cpi](http://www.naruc.org/cpi)



# NARUC

National Association of Regulatory Utility Commissioners

## NARUC Center for Partnerships & Innovation

February 24, 2023

**Danielle Sass Byrnett**

Senior Director

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[www.naruc.org/cpi](http://www.naruc.org/cpi)

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## 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.
- Mission: “to serve in the public interest by improving the quality and effectiveness of public utility regulation”



Representing membership of more than 250 elected & appointed state commissioners; thousands of commission staff; and federal regulators & staff across the country



# THE NARUC CENTER FOR PARTNERSHIPS & INNOVATION

- NARUC staff 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.
- All CPI support is federally funded via cooperative agreements with DOE and NIST.



Newly updated CPI fact sheet with recent publications, upcoming events, new member working groups

- under Quick Links at: [www.naruc.org/cpi](http://www.naruc.org/cpi)

## Recent Publications

- [Demand Flexibility within a Performance-Based Regulatory Framework](#) (Feb 2023)
- State Energy Justice Roundtable Series: [Customer Affordability and Arrearages; Participation in Decision Making; Energy Justice Metrics](#) (Feb 2023)
- [Mini Guide on PUCs and the Investment Community](#) (Feb 2023)
- [Energy Resilience Reference Guide: Chapters 1 & 2](#) (Jan & Feb 2023)
- [Potential State Regulatory Pathways to Facilitate Low-Carbon Fuels](#) (Dec 2022)
- [Digitalization in Electric Power Systems and Regulation: A Primer](#) (Dec 2022)
- [Interoperability for Electric Vehicle Charging: A Case Study](#) (Dec 2022)
- [Electric Vehicle Interoperability: Considerations for Utility Regulators](#) (Nov 2022)
- [Models for Incorporating Equity in Transportation Electrification](#) (Nov 2022)
- [Mini Guide on Transportation Electrification](#) (Nov 2022)
- [Grid Data Sharing: Brief Summary of Current State Practices](#) (Nov 2022)
- Regulator's Financial Toolbox Briefs: [Community Solar for LMI Customers; Electrification; ADMS/DERMS](#) (Oct 2022)
- [Defense Energy Resilience Resources: Guide & FAQ for Commissioners](#) (Oct 2022)
- [Workforce Development Toolbox: Recruitment Templates and Social Media Engagement Materials](#) (Sept 2022)

## Forthcoming Publications

- Black Sky Playbook
- Energy Resilience Reference Guide Chapter 3: Climate Resilience
- State Microgrid Policy, Programmatic, and Regulatory Framework
- Renewable Energy Microgrids
- Considerations of Advanced Nuclear in Resource Planning

## Upcoming Virtual Learning Opportunities

- Modern DER Capabilities and Deployment. March 8: Next in the virtual interconnection workshop series, NREL will address PUC questions on DER technical capabilities, deployment concerns, and benefits. [Contact Jeff](#)
- Resilience for Regulators Webinar Series. March 9: Climate Informed Mitigation Strategies. Find [past presentations](#) on critical infrastructure resilience, climate resilience, defense energy resilience, and more. [Contact William](#)
- Monthly Innovation Webinars. March 16: Advances in Resource Adequacy. [Register | past recordings](#). [Contact Jessica](#)
- On-Demand, Video-Based Learning Modules. Dozens of training videos in English and Spanish on [electricity system planning, distribution systems and planning, smart grid and EV interoperability](#). [Contact Danielle](#)

## Upcoming In Person Events *Travel stipends available*

- Cybersecurity Training, Indianapolis, IN. March 22-24: Experts will provide content on cybersecurity topics through the lens of utility regulators with presentations, engaging activities, and more. (Commissioners and staff) [Contact Lynn](#)
- Nuclear Energy Partnership Pacific Northwest National Lab Site Visit. April 25-28: Tour PNNL and NW nuclear sites. Advanced Nuclear State Collaborative kickoff workshop will also take place. (Commissioners and staff) [Contact Kiara](#)
- Natural Gas Partnership Site Visit, Savannah, GA. May 2023: Tour the Elba Island liquefied natural gas export facility, Port of Savannah compressed natural gas fueling station, and more. (Commissioners only) [Contact Kiara](#)
- More Info Available Soon: Energy Justice Midwest Regional Workshop (early May); Grid Data Sharing Collaborative Demonstration Workshop (mid-May in Washington, DC); Resilience Planning Regional Workshops [Contact Danielle](#)

## Join a Member Working Group! *For Commissioners and Commission Staff*

- [Integrated Distribution System Planning](#). Register for presentations by subject matter experts and commissions followed by questions and facilitated discussions among members. Six sessions: Feb 27 – Jun 12. [Contact Jeff](#)
- [NARUC-NASEO Advanced Nuclear State Collaborative](#). Exchange questions, needs, and challenges relating to the planning and deployment of new advanced nuclear generation. [Contact Kiara](#)
- [NARUC-NASEO Microgrids State Working Group](#). Explore capabilities, costs, benefits, and deployment strategies for microgrids with PUCs and State Energy Offices. [Contact Kiara](#)
- [Electric Vehicles State Working Group](#). Learn and discuss regulatory questions around transportation electrification, including charging infrastructure buildout, rate design, equity considerations, V2G, and more. [Contact Danielle](#)
- [Performance-Based Regulation State Working Group](#). Examine approaches to performance-based regulation and alternative ratemaking across states in a collaborative peer group setting. [Contact Elliott](#)
- [i2X Working Groups](#). DOE/National Lab effort for commissions and stakeholders to identify grid interconnection challenges and discuss solutions. [Contact Jeff](#)
- [Workforce Development Peer Advisory Group](#). Supporting recruitment & retention for commissions. [Contact Hyleah](#)

## In partnership with DOE, NIST, and members NARUC CPI work spans five key topical areas

Energy Generation	Energy Transmission	Energy Distribution	Energy Customers
<ul style="list-style-type: none"> <li>• Coal &amp; Carbon Management*</li> <li>• Nuclear Energy*</li> <li>• Natural Gas*</li> <li>• Hydrogen</li> <li>• Offshore Wind</li> </ul>	<ul style="list-style-type: none"> <li>• Transmission Infrastructure</li> <li>• Transmission-Distribution Coordination*</li> <li>• Storage</li> <li>• Comprehensive Electricity Planning</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Distribution Planning*</li> <li>• Smart Grid / Grid Modernization</li> <li>• Microgrids*</li> <li>• Performance-Based Regulation*</li> </ul>	<ul style="list-style-type: none"> <li>• DER Integration &amp; Compensation*</li> <li>• Demand Flexibility*</li> <li>• Electric Vehicles*</li> <li>• Stakeholder Engagement</li> <li>• Energy Justice</li> </ul>
<i>Contact Kiera Zitelman</i>		<i>Contact Jeffrey Loiter</i>	
Critical Infrastructure Preparedness, Response, and Resilience			
<ul style="list-style-type: none"> <li>• Cybersecurity for Utility Regulators*</li> <li>• Energy Emergency Preparedness</li> </ul>		<ul style="list-style-type: none"> <li>• Integrated System Resilience*</li> <li>• Defense Community Partnerships</li> </ul>	
<i>Contact Lynn Costantini</i>			

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

# NARUC CPI Recent Webinars & Publications (1 of 2)

## Past Innovation Webinars

Grid Architecture: Why It Matters January 19, 2023

Green Banks: Financing a Reliable Future December 15, 2022

Long Duration Storage: What's on tap? October 13, 2022

Integrating Energy Storage into Integrated Resource Plans (IRPs) August 25, 2022

Alleviating the Energy Burden: Regulatory Approaches to Supporting Affordability June 16, 2022

Highlighting University Sponsored Energy Innovation Centers May 18, 2022

Leveraging Distributed Energy Resource Capabilities through Transactive Energy April 21, 2022

Aligning Electric Vehicle Customer Charging with Grid Needs, March 17, 2022

Black Start Considerations in a Highly Renewable Supply Future, February 24, 2022

Considering Non-Energy Benefits in PUC Decision Making: What Counts?, January 20, 2022

State Approaches to Intervenor Compensation, December 20, 2021

Smart Vegetation Management: New Approaches to an Age-Old Problem, December 16, 2021

A New Approach to Understanding the Economic Impacts of Electric Outages, October 14, 2021

Enabling Robust Stakeholder Engagement at Public Utility Commissions, September 24, 2021

Virtual Power Plants In The 20s: Moving From Theory To Practice, August 12, 2021

Balancing the Clean Grid: Reliability and Renewable Energy, June 17, 2021

Staffing the Evolving PUC Workforce: Exploring Recruitment, Retention, and Alternative Tactics, May 13, 2021

Initiative on Cybersecurity in Solar Projects: Cybersecurity Advisory Team for State Solar (CATSS), April 15, 2021

Data for the Public Interest: Utility and Regulatory Possibilities for Empowering Energy Equity with Data, March 11, 2021

## CPI Publications

February 9, 2023

### State Energy Justice Roundtable Series: Customer Affordability and Arrearages

State Energy Justice Roundtable Series: Customer Affordability and Arrearages by William McCurry. February 2023

February 9, 2023

### State Energy Justice Roundtable Series: Energy Justice Metrics

State Energy Justice Roundtable Series: Energy Justice Metrics by Jasmine McAdams, Feb 2023

February 9, 2023

### Demand Flexibility within a Performance- Based Regulatory Framework

The jointly formed National Association of State Energy Officials (NASEO)-National Association of Regulatory Utility Commissioners (NARUC) Grid-Interactive Efficient Buildings (GEBs) Working Group released the report Roadmapping: A Tool for States to Advance Load Flexibility and Grid-Interactive Efficient Buildings in 2021. The 2021 report explored various tools available for states to advance load flexibility and GEBs, aimed at State Energy Offices, Public Utility Commissions (PUCs), and other state and local agencies. This paper builds on past insights with a closer examination of demand flexibility (DF) barriers and implementation within a performance-based regulatory framework. As more complex forms of DF are introduced, regulatory frameworks can capture the impacts and potential benefits of new demand-side technologies. Specifically, this paper examines regulatory strategies that may be useful for state regulators seeking to advance DF and GEB policies.

February 9, 2023

### State Energy Justice Roundtable Series: Participation in Decision Making

State Energy Justice Roundtable Series: Participation in Decision Making by Tanya Paslawski. Feb 2023

# NARUC CPI New Publications

December 21, 2022

## **Considering Interoperability for Electric Vehicle Charging: A Commission Case Study**

As adoption of electric vehicles (EVs) increases across the United States and charging equipment to power vehicles is installed, the electricity system, states, utilities, EV manufacturers, EV supply equipment (EVSE) manufacturers, and stakeholders are grappling with how to ensure smooth integration of these resources. Interoperability ensures that communication, coordination, and integration of devices, such as electric vehicle supply equipment (EVSE), are integrated efficiently and effectively.

December 21, 2022

## **Digitalization in Electric Power Systems and Regulation: A Primer**

This report defines grid digitalization, provides concrete examples, and assesses five elements of digital systems that have evolved over the past three decades relevant to the electric distribution system: network interconnection, interoperability, modularity, open source, and automation. This report also discusses the benefits and challenges of digitalization and provides a set of actions regulators can take to support the transition and realize the benefits of the transition.

December 16, 2022

## **Energy Resilience Reference Guide: Chapter 1 & Chapter 2**

The NARUC Resilience Reference Guide is envisioned as a one-stop primer for state public utility commissions (PUCs) to assist in the development of a shared language, valuation framework, and educational tool on the topic of energy resilience. The resilience of the energy system has increasingly become part of commissions' regulatory scope so informed decisions are made regarding how to best enhance system resiliency. Several states have already established evaluative resilience criteria (via legislative statute or regulatory directive). This guide is intended to summarize many of the critical topic areas within energy resilience and to facilitate adoption of resilience valuation frameworks by which PUCs can weigh investment decisions regarding energy system resiliency. This guide is intended to encourage state public utility commissions to develop their own frameworks that align with existing resources and to provide topical information related to enhancing system resilience to extreme weather, cyber-attacks, a changing energy landscape, and other threats to critical infrastructure. This guide will also assist in continual assessment of new policies and regulations that seek to enhance energy system resilience. This primer attempts to synthesize key takeaways on energy resilience topics. Individual chapters will highlight emerging best practices on a variety of topics, profile individual state efforts at enhancing system resilience, solicit contributions from subject matter experts, and summarize key regulatory considerations for energy system resilience. The objective of the first chapter of the NARUC Resilience Reference Guide is to highlight challenges pertaining to differences in definitions of resilience and encourage state public utility commissions to develop a shared language around the concept of energy resilience. The objective of the second chapter of the NARUC Energy Resilience Reference Guide is to highlight key themes pertaining to creating a value of resilience framework and share current efforts at the state-level at incorporating these frameworks into practice.

November 11, 2022

## **Grid Data Sharing: Brief Summary of State Practices**

Grid Data Sharing: Brief Summary of State Practices

November 11, 2022

## **Regulators' Financial Toolbox: Considerations in Evaluating ADMS/DERMS Investments**

On October 12, 2022, NARUC presented a Regulators' Financial Toolbox Webinar on ADMS/DERMS. The webinar featured remarks from moderator Vice Chair Joseph Sullivan, Minnesota Public Utilities Commission; Chris Villarreal of Plugged in Strategies on behalf of the U.S. Department of Energy (DOE); Ali Ipakchi, Executive Vice President, Open Access Technology International, Inc. (OATI); Ted Burhans, Director of DER Technology, Smart Electric Power Alliance (SEPA); and Commissioner Katherine Peretick of the Michigan Public Service Commission. The panel and this accompanying brief address: • Defining ADMS/DERMS • Deploying ADMS/DERMS • Utility Perspectives on DERMS • State Snapshot: Michigan • Regulatory Consideration of ADMS/DERMS

November 10, 2022

## **Electric Vehicle Interoperability Considerations for Public Utility Regulators**

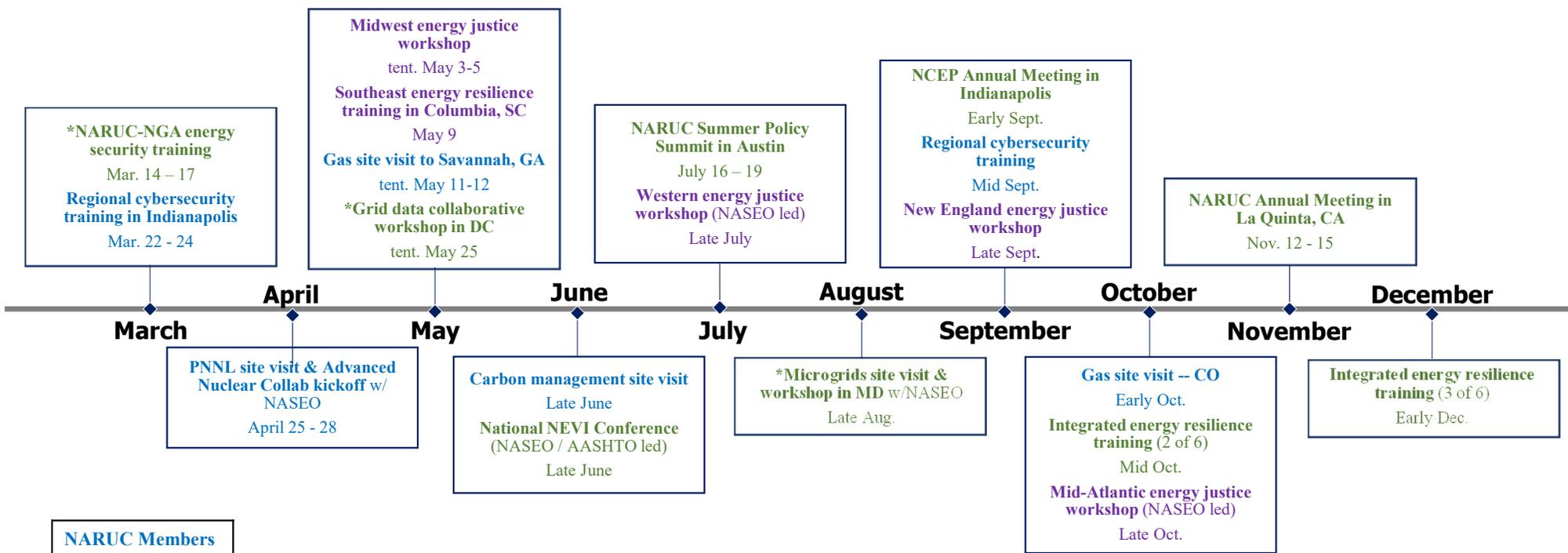
Electric Vehicle Interoperability Considerations for Public Utility Regulators. An addendum to the NARUC report, Electric Vehicles: Key Trends, Issues, and Considerations for State Regulators (2019)

November 10, 2022

## **Models for Incorporating Equity in Transportation Electrification Considerations for Public Utility Regulators**

Models for Incorporating Equity in Transportation Electrification Considerations for Public Utility Regulators. An addendum to the NARUC report, Electric Vehicles: Key Trends, Issues, and Considerations for State Regulators (2019)

# NARUC CPI 2023 Events



NARUC Members
Open Invite
Regional

\* Limited space available

# NARUC Staff

We're here to help with direct assistance, resources, or connections to experts

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[www.naruc.org/cpi](http://www.naruc.org/cpi)



# National Governors Association (NGA)

Dan Lauf

Program Director, Energy

[dlauf@nga.org](mailto:dlauf@nga.org)

[www.nga.org/](http://www.nga.org/)

# NGA Energy Program: Summer 2022 Update

February 24, 2023

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

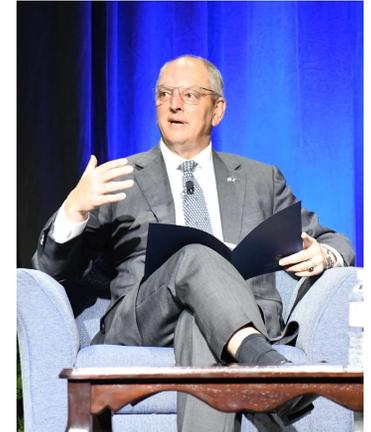


# NGA Center for Best Practices

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

**Program areas:**

- 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



# Recent Resources



## Transmission Siting and Permitting



### How Governor Leadership Can Advance Projects



# Transmission Siting and Permitting: How Governor Leadership can Advance Projects

Report available at: <https://www.nga.org/publications/transmission-siting-and-permitting-how-governor-leadership-can-advance-projects/>





**STATE APPROACHES TO  
EQUITABLE DISTRIBUTED ENERGY  
RESOURCE DEPLOYMENT**



# State Approaches to Equitable Distributed Energy Resource Deployment

- Understand Gubernatorial actions to increase access to DERs
- Identify state energy equity needs
- Learn about areas for collaboration among Governors' teams and other state policymakers and regulators
  
- Expected to be released late February 2023





## 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: <https://www.nga.org/center/publications/executive-authority-during-energy-emergencies/>



# NGA Federal Funding Resources Pages



## IIJA IMPLEMENTATION RESOURCES

As Governors lead on implementing the historic bipartisan Infrastructure Investment and Jobs Act, the 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 critical local, and private sector stakeholders. This page will serve as a one stop shop for information

- Provide the latest federal resources, including a calendar of current funding opportunities, RFIs and other deadlines
- Offer searchable tables of IIJA programs with latest information and links to Federal pages

### 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 into 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

IIJA:

[www.nga.org/iija-implementation](http://www.nga.org/iija-implementation)

Inflation Reduction Act:

<https://www.nga.org/ira-resources/>

CHIPS and Science Act:

<https://www.nga.org/chips-resources/>



# 2023 Areas of Focus



# Clean Energy and Grid Modernization

## Grid Modernization and New Technology Deployment

- [Governors' Energy Infrastructure Working Group](#)
- Forthcoming Policy Academy on Grid Resilience Planning
- Written Guidance on *Advanced Grid Technologies* and *State Regulatory Approaches*
- *Grid Modernization Training* for Governors' Staff
- Quarterly offshore wind coordination calls

## Nuclear Energy Generation Development and Support

- Governor's guide to nuclear energy policies and regulations (geared to new governors elected in fall 2022)
- In-person convening with Governor's energy advisors and state legislators to discuss nuclear policies, programs, and regulations
- Ongoing Technical Assistance

## Support for Energy-Producing States and Communities

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

# Energy Security and Resilience

## Energy Emergency Preparedness and Response

- *Energy Emergency Response Training for Governors' Staff and State Regulators* – March 14-16 in Kansas City, MO
- *Crisis Communications* Playbook (with NASEO)
- The roles of *fusion centers* in information sharing (with NARUC)

## Energy Cybersecurity Preparedness

- State participation in *GridEx VII*:
  - Supporting a multi-state cohort (Nov. 2023)
  - Partnership with E-ISAC to scope state role and support state participation in the exercise
- Supporting *Cybersecurity Talent Pipelines* for Energy and Critical Infrastructure
- Ensuring the *security of distributed energy resources*

## Energy Infrastructure Resilience

- *ResCon International* – April 25-27, 2023 in New Orleans, LA
  - Pre-conference convening of State Resilience Leads

# Energy Policy Technical Assistance

## **2023 Energy Policy Institute and Bootcamp for New Governors' Advisors**

- July, 2023 in Providence, RI

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

- Governors' policy advisors to participate alongside state legislators

## **Ongoing Support for Governors**

- As-needed memos, consultations, briefing materials, and resources
- Planning in-depth trainings on energy security, resilience, and system modernization in 2023
- Federal funding implementation (IIJA, IRA, etc.)

## **On-demand Technical Assistance**

- Contact Dan Lauf ([dlauf@nga.org](mailto:dlauf@nga.org)) with requests

# Thank You!

Dan Lauf

[dlauf@nga.org](mailto:dlauf@nga.org)

202-624-5427



NATIONAL  
**GOVERNORS**  
ASSOCIATION



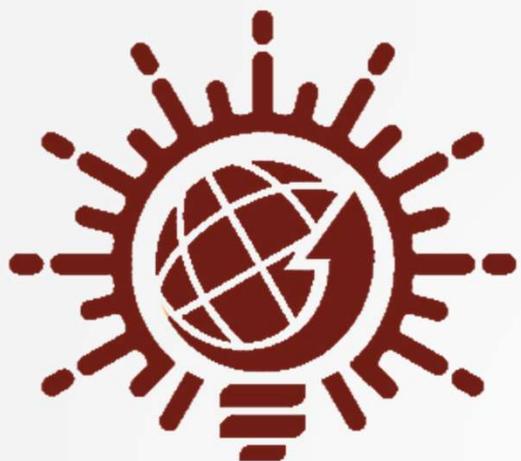
# National Association of Clean Air Agencies (NACAA)

Miles Keogh

Executive Director

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NATIONAL COUNCIL  
ON ELECTRICITY POLICY

Q&A



<https://www.naruc.org/ncep/>

All resources

[www.naruc.org/mynaruc](http://www.naruc.org/mynaruc)

To be placed on the listserv