

The National Council on Electricity Policy Member Update

February 16, 2024

*Current and Upcoming
Activities, Resources, and Priorities*



Welcome

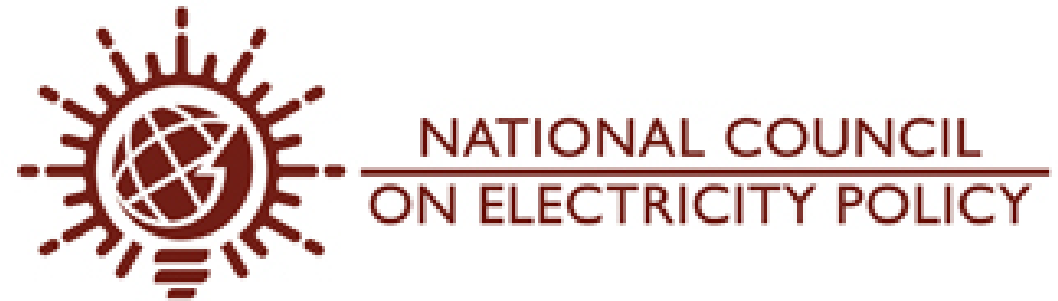
- This webinar is being recorded. The presentation and recording will be posted at www.naruc.org/ncep/ncep-home.
- Type questions in the Q&A box. Unanswered questions will be sent to speakers for follow up.
- Join the NCEP listserv to be notified of future events by selecting NCEP as an interest area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

Agenda

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

The National Council on Electricity Policy

Sarah Fitzpatrick
Technical Policy Advisor
NARUC Center for Partnerships and
Innovation
sfitzpatrick@naruc.org



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.

www.naruc.org/ncep/ncep-home



NCEP Executive Committee

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*

Jennifer Easler, *Iowa Consumer Advocate*

Hon. **John Espindola**, *Regulatory Commission of Alaska*

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

Senator **Eric Koch**, *Indiana General Assembly*

Senator **DeAndrea Salvador**, *North Carolina General Assembly*

> *New Executive Committee Member*

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

Resources



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)
- [State Agency Coordination During Energy-Related Emergencies](#) (2019)
- [Local Government Engagement with PUCs](#) (2019)

Mini-Guides in Development

- **Engagement between Air Regulators, PUCs, and State Energy Offices – *Coming Late February***
- Higher Education Partnerships with State Government Agencies for Workforce Recruitment

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 Clean Air Agencies (NACAA)

Miles Keogh
Executive Director
mkeogh@4cleanair.org
www.4cleanair.org/



National Governors Association (NGA)

Dan Lauf Program
Director, Energy
dlauf@nga.org
www.nga.org/



NATIONAL
GOVERNORS
ASSOCIATION

NGA Energy Program: Winter 2024 Update

February 16, 2023

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



NATIONAL
GOVERNORS
ASSOCIATION

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



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**



Energy Policy Learning Network

Monthly Calls *with Governors' Energy Advisors*

Regular Opportunities for **Peer-to-Peer Exchange**

Weekly E-mailed Briefs Compiling Federal Updates and Upcoming Events

Briefings/Webinars on Timely Energy Topics

On-demand **Technical Assistance** for States



Timely Resources



NATIONAL
GOVERNORS
ASSOCIATION

H2Hubs: Regional Clean Hydrogen Hubs Program

Program Overview

In 2021, the U.S. Department of Energy (DOE) established the [Hydrogen Earth Shot Challenge](#), aiming to reduce the cost of hydrogen as an energy source by 80% in a decade (reducing the cost per kilogram from the current \$5 to \$1). As part of this goal, the Infrastructure Investment and Jobs Act included \$7 billion in funding for the Regional Clean Hydrogen Hubs (H2Hubs) program. The H2Hubs program was created to fund between six to ten regional clean hydrogen hubs across the United States. Selected applicants would agree to a 1:1 cost share with DOE for construction and deployment of the hub.

The initial funding announcement was released in September 2022, and 79 applicants sent letters of interest to DOE. Of those, DOE selected 33 applicants to move forward with applications. In October 2023, DOE announced the selection of seven projects to receive hydrogen hubs grants.

Funding Announcement



Source: Department of Energy, Office of Clean Energy Demonstrations

Federal Funding and Financing for Hydrogen Energy Production and Use

Report available at: <https://www.nga.org/publications/federal-funding-and-financing-for-hydrogen-energy-production-and-use/>

ENERGY CYBERSECURITY RESOURCES FOR GOVERNORS' ADVISORS

Background and Regulatory Authority

As malicious actors increasingly target energy infrastructure with cyber-attacks, it's important that Governors' advisors understand the risks to energy infrastructure in their states and territories, and the roles state and territory leaders can play to address those risks. A cyber-attack on critical infrastructure in the United States, including on energy infrastructure, poses a significant threat and could cause major disruptions to day-to-day life, endanger public safety and health, and result in millions of dollars in economic losses. In May of 2021, a ransomware attack on the information technology (IT) systems of the Colonial Pipeline led operators to shut down the pipeline for multiple days out of an abundance of caution, resulting in fuel shortages and consumer panic.

In 2023, President Biden released the [National Cybersecurity Strategy](#) to establish a framework to protect critical infrastructure from cyberattacks. In addition, President Biden penned a letter to governors encouraging the adoption of state cybersecurity standards to protect critical energy infrastructure. As the leaders of their states, Governors are ultimately responsible for preparing for and responding to energy emergencies. Governors can defend critical infrastructure from cyber threats by taking a proactive approach to assess cybersecurity resilience, identify gaps, and plan for emergencies. The purpose of this resource guide is to provide an overview of federal and state cybersecurity standards for the energy sector as well as a collection of energy cybersecurity resources from the National Governors Association (NGA), the federal government, and other state focused organizations.

Electric Sector

Federal Standards

Cybersecurity standards for the bulk power system in the United States are governed by the North American Electric Reliability Corporation's (NERC) [Critical Infrastructure Protection \(CIP\) Reliability Standards](#). NERC is a not-for-profit international regulatory authority whose mission is to "assure the effective and efficient reduction of risks to the reliability and security of the grid." Its standards are enforced in the United States and Canada; portions of Mexico have also adopted NERC standards. In the U.S., NERC derives its authority from the Federal Energy Regulatory Commission (FERC) as the designated Electric Reliability Organization tasked with developing and enforcing mandatory reliability standards. Cybersecurity is covered under NERC's CIP Reliability Standards. NERC CIP Standards are separated into several topic areas, detailed below. NERC performs periodic audits of grid operators and can levy financial fines for non-compliance. The NERC CIP standards ensure a minimum level of cybersecurity best practices are maintained.

Energy Cybersecurity Resources for Governors' Advisors

Report available at: <https://www.nga.org/publications/2023-energy-cybersecurity-resources-for-governors-advisors/>



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/>



2024 Areas of Focus



Upcoming Events

- NGA Winter Meeting
 - February 22-24 in Washington, DC
- State participation in **GridEx VII: Multistate Cohort Workshop**
 - March 26-27 in Philadelphia, PA
- **Nuclear Energy Workshop** (with NARUC and NASEO)
 - April 25-26 in Knoxville, TN
- Virtual Seminar Series on **Statewide Energy Planning** (with NASEO)
 - Spring 2024
- Energy Security and **Resilience for Territories and Islanded Communities**
 - Dates and location TBC (tentatively mid-May)
- Governors Advisors **Energy Policy Institute**
 - June in Oklahoma City, OK
- 2024 **Legislative Energy Horizons Institute** (with NCSL)
 - July 12-16 in Richland, WA and November 20-23 in Washington, DC
- Experts Roundtable on **Physical Protection of Energy Systems** (with NARUC, NASEO, and NCSL)
 - September 2024, Location TBD
- **Transmission Development and Expansion** State Workshop (with NASEO)
 - October 2024, Location TBD

Upcoming Written Products

- Guidance for Governors on *Grid Enhancing Technologies* and *State Regulatory Approaches*
- Governor's Guide to **Nuclear Energy**
- **Energy Crisis Communications** Playbook (with NASEO)
- Supporting *Cybersecurity Talent Pipelines* for Energy and Critical Infrastructure
 - Followed by in-state retreats
- Supporting *energy resilience in vulnerable communities*
- *Funding and financing* for energy infrastructure projects

Thank You!

Dan Lauf

dlauf@nga.org

202-624-5427



NATIONAL
GOVERNORS
ASSOCIATION

National Association of State Energy Officials (NASEO)

Kirsten Verclas

Senior Managing Director, Electricity

kverclas@naseo.org

www.naseo.org/



*National Association of
State Energy Officials*

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

NASEO Board of Directors

Chair: John Williams, New York

Vice-Chair: Molly Cripps, Tennessee

Treasurer: Eddy Trevino, Texas

Secretary: Will Toor, Colorado

Parliamentarian: Jason Lanclos, Louisiana

Member at Large: Michelle Gransee, Minnesota

Past Chair: Andrew McAllister, California

Regional Representatives:

Dan Burgess, Maine

Katie Dykes, Connecticut

David Althoff, Jr., Pennsylvania

Nick Burger, District of Columbia

Julie Staveland, Michigan

Emily Wilbur, Missouri

Mitchell Simpson, Arkansas

Kenya Stump, Kentucky

Lynn Retz, Kansas

Maria Effertz, North Dakota

Michael Furze, Washington

Richard Stover, Idaho

Carlos Tejera, Puerto Rico

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



Transmission and Distribution Planning and Policy



Electric Vehicles and Transportation



Energy Security



Equity and Energy Justice



Grid Resilience



State Microgrid Working Group



Solar and Offshore Wind



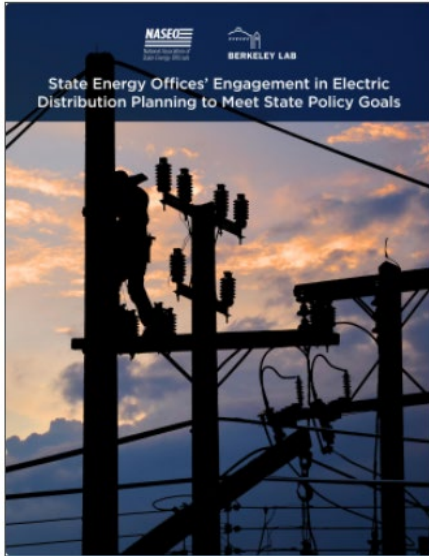
DER Integration and Compensation



Clean Hydrogen

NASEO Programs and Activities Spotlight

Distribution Planning



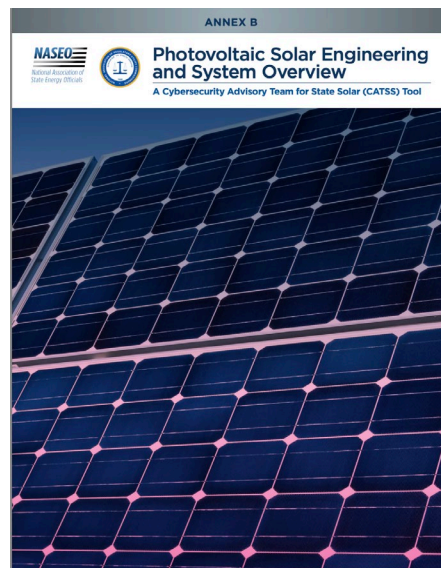
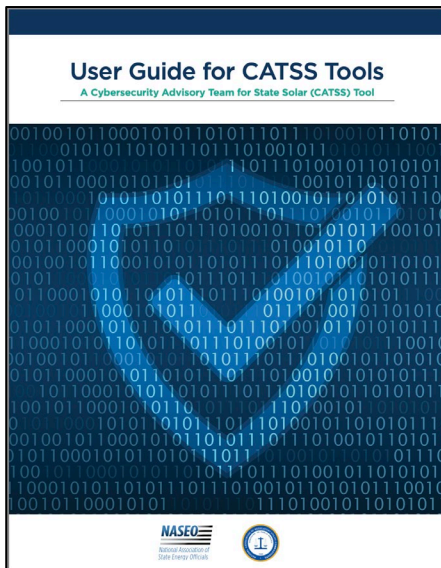
Clean Hydrogen



EV Charging



CATSS Tools



Coming Soon

- Transmission Stakeholder Engagement Toolkit and Guides
- Energy Storage RD&D Guide
- Microgrids/EV Charging Issue Brief
- The Role of Minority-Owned Businesses in the U.S. Energy Sector and Supply Chain
- Energy Sector Supplier and Workforce Diversity, Access, and Inclusion

NASEO Upcoming Events

- [NASEO Webinar: The National Academies on The Role of Net Metering in the Evolving Electricity System](#)
February 20, 2024, 2:00pm-3:00pm ET
- [NASEO Webinar: Energy Auditor Training Funding Opportunity \(State and Territory Energy Offices Only\)](#)
February 20, 2024, 4:00pm-5:00pm ET
- [NASEO Industrial Working Group Forum: State and Local Pollution Prevention Programs \(P2\) and Small Business Environmental Assistance Programs \(SBEAP\) \(States and Territories Only\)](#)
February 21, 2024, 3:00pm-4:30pm ET
- [NASEO, NARUC, and LBNL Distribution System Planning and Resilience Training \(States and Territories Only\)](#)
March 20-21, 2024 - Nashville, TN
- [NASEO Webinar: H-TEC Systems and Accelerating Opportunities for Clean Hydrogen](#)
April 16, 2024, 2:00pm-3:00pm ET
- NASEO Regional Meetings, April – June 2024

NASEO Staff and Contact



Kirsten Verclas

Senior Managing Director, Electricity and Energy Security

Email: kverclas@naseo.org



Catherine Reed

Senior Program Director

Email: creed@naseo.org



Kelsey Jones

Program Director

Email: kjones@naseo.org

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

National Association of State Utility Consumer Advocates (NASUCA)

David Springe

Executive Director

david.springe@NASUCA.org

www.nasuca.org/

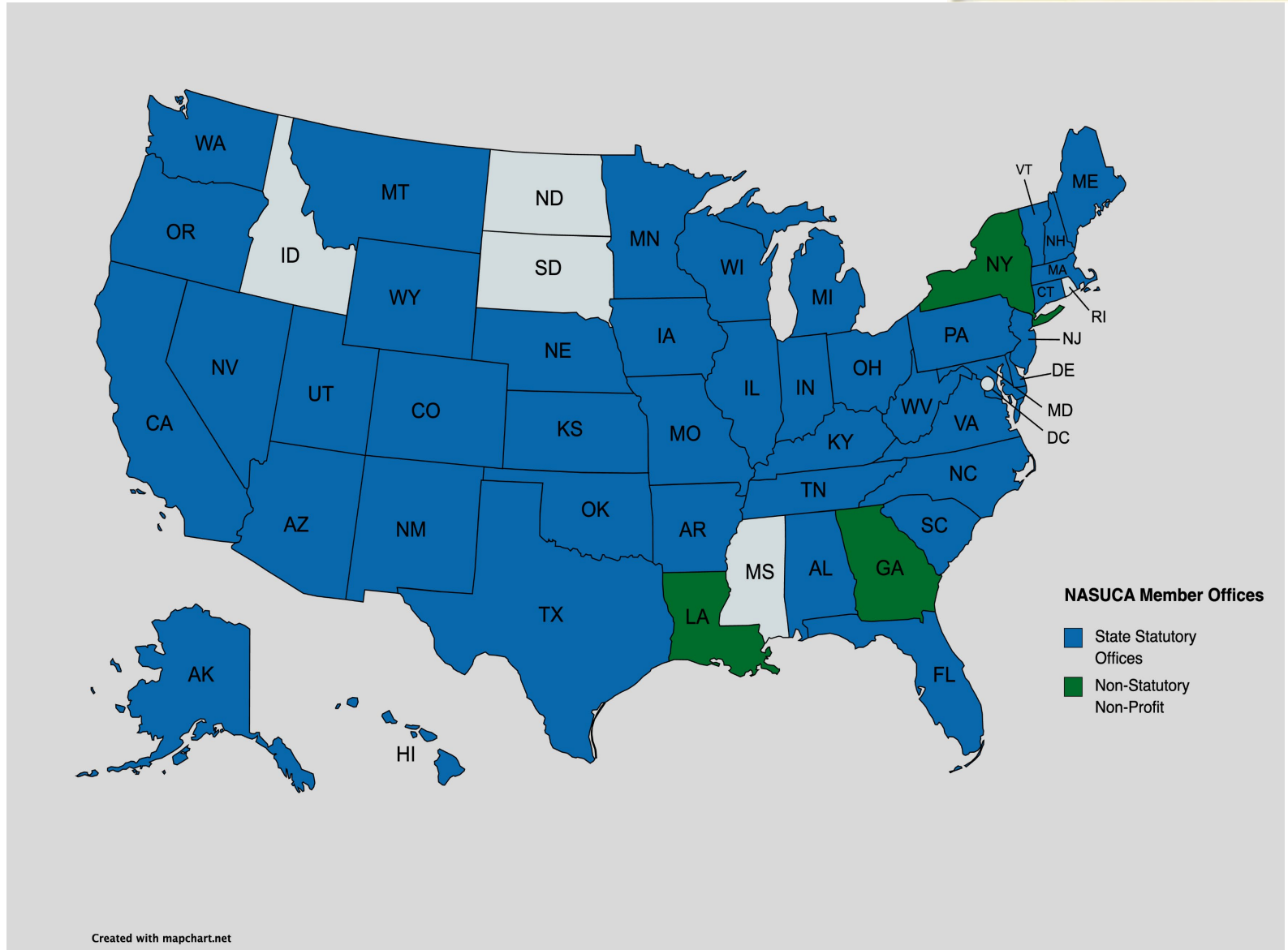


National Association of State Utility Consumer Advocates (NASUCA)

- Established in 1979
- Association of utility consumer advocates
 - 61 member offices in 45 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)

Who We Are

NASUCA Member Offices



NASUCA Resources

- **NASUCA Members**
 - <https://www.nasuca.org/members/>
- **NASUCA Policy Resolutions**
 - <https://www.nasuca.org/advocacy/resolutions/>
- **Regulatory Basics Courses – Free Training Webinars**
 - <https://www.nasuca.org/resources/regulatory-basics-courses/>
- **DOE/LBNL Grid Training**
 - <https://www.nasuca.org/resources/doe-lbnl-grid-training/>
- **Other NASUCA Webinars**
 - <https://www.nasuca.org/resources/webinars/>
- **Employment Opportunities**
 - <https://www.nasuca.org/resources/employment-opportunities/>

Fall 2023

NASUCA DOE/LBNL Grid Training Series - Fall Webinar Series

- September 6 - Quantifying the Financial Impacts of Electric Vehicles on Utility Ratepayers and Shareholders (Andy Satchwell)
- September 7 - Snapshot of EV-Specific Rate Design (Peter Cappers)
- September 13 - Potential Bill Impacts of Dynamic Electric Pricing on California Electric Customers (Marius Stuebs)
- September 14 - Causes and Impacts of Grid Outages, Metrics for Measuring Resilience, and Valuing and Prioritizing Strategies (Peter Larsen)

Recordings and slides for all NASUCA DOE/LBNL Grid training sessions available at <https://www.nasuca.org/resources/doe-lbnl-grid-training/>

Recent DOE/LBNL Grid Training

NASUCA DOE/LBNL Grid Training Series - NASUCA Annual Meeting – November 7, 2023

- The National Community Solar Partnership Update
Anthony Sandonato - Energy Markets and Policy Department,
Lawrence Berkeley National Lab
- Evaluating Demand Under Increased Transportation Electrification
Sean Morash, Principal, Telos Energy

*Recordings and slides for all NASUCA DOE/LBNL Grid training sessions available at
<https://www.nasuca.org/resources/doe-lbnl-grid-training/>*

2024 Events

- **2024 NASUCA Association Conferences**
 - **2024 NASUCA Mid-Year Meeting – June 9-12 - Madison, Wisconsin**
 - **2024 NASUCA Annual Meeting – November 10-13 - Anaheim, California – with NARUC**

Contact

David Springe
Executive Director
National Association of State Utility Consumer Advocates
8380 Colesville Road, Suite 101
Silver Spring, MD 20910
(785) 550-7606 (mobile)
david.springe@nasuca.org
www.NASUCA.org
Follow NASUCA on twitter at <http://twitter.com/NASUCADC>

National Association of Regulatory Utility Commissioners (NARUC)

Danielle Sass Byrnett

Senior Director

NARUC Center for Partnerships &
Innovation

dbyrnett@naruc.org

www.naruc.org/cpi/cpi-home



NARUC

National Association of
Regulatory Utility Commissioners

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 approximately 250 elected & appointed state commissioners; hundreds of commission staff; and federal regulators & staff in energy / electricity, telecommunications, water, and transportation regulation



THE NARUC CENTER FOR PARTNERSHIPS & INNOVATION

Background & Focus

- NARUC staff 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 U.S. Department of Energy and U.S. National Institute of Standards and Technology.



Newly updated CPI fact sheet with recent publications, upcoming events, new member working groups located at: www.naruc.org/cpi/cpi-home

NARUC Center for Partnerships & Innovation

Identifying emerging challenges and connecting state commissions with expertise and strategies to navigate their complex decision-making



The NARUC Center for Partnerships & Innovation (CPI) builds relationships, develops resources, and delivers training to assist state commissions contending with complex current and emerging issues. CPI is funded through cooperative agreements with many offices across the U.S. Department of Energy (DOE) and through the National Institute of Standards and Technology (NIST). CPI works across five key energy areas:

Energy Generation	Energy Transmission	Energy Distribution	Energy Customers
<ul style="list-style-type: none">• Resource Adequacy• Coal and Carbon Management*• Nuclear Energy*• Natural Gas*• Hydrogen• Utility-Scale Renewables	<ul style="list-style-type: none">• Bulk Power System• Transmission Infrastructure*• Transmission-Distribution Coordination• Comprehensive Electricity Planning• Storage	<ul style="list-style-type: none">• DER Integration & Compensation*• Distribution Systems and Planning• Smart Grid / Grid Modernization• Valuation and Rate-making*	<ul style="list-style-type: none">• Demand Flexibility*• Virtual Power Plant• Microgrids*• Electric Vehicles*• Stakeholder Engagement• Energy Justice• Affordability
Contact Danielle Sass Byrnett		Contact Jeffrey Loiter	
Critical Infrastructure Resilience, Emergency Preparedness, and Cybersecurity			
<ul style="list-style-type: none">• Critical Infrastructure• Cybersecurity for Utility Regulators• Energy Emergency Preparedness		<ul style="list-style-type: none">• Integrated System Resilience*• Defense Community Partnerships• Workforce Development*	
Contact Lynn Costantini			

*Contact us to join a members-only group on this topic for regular learning and peer exchange opportunities.

Sign up for the [CPI Newsletter](#) for twice-monthly updates about new resources and forthcoming events.

The NARUC CPI team looks forward to engaging with NARUC's members throughout the year—your needs drive our priorities and activities. Reach out at any time!

Danielle Sass Byrnett, Senior Director dbyrnett@naruc.org, 202-898-2217	Lynn P. Costantini, Deputy Director lcostantini@naruc.org, 409-915-1685
Kiera Zielman, Technical Director kzielman@naruc.org, 202-898-2212	Jeffrey Loiter, Technical Director jloiter@naruc.org, 202-656-2128
Jody Raines, Senior Cybersecurity Policy Specialist jraines@naruc.org, 202-898-8083	Sarah Fitzpatrick, Technical & Policy Advisor sfitzpatrick@naruc.org, 202-898-2205
Elliott J. Nethercutt, Principal Regulatory Policy Specialist enethercutt@naruc.org, 202-744-8044	Hyleah O'Quinn, Policy Advisor hoquinn@naruc.org, 202-898-8193
Kathryn Kline, Technical Advisor kkline@naruc.org, 202-222-0377	Dominic Liberatore, Finance and Logistics Manager dliberatore@naruc.org, 202-898-2448
Robert Bennett, Technical Specialist rbennett@naruc.org, 202-898-1349	Jessica Diaz, Events Specialist jdiaz@naruc.org, 202-898-2215
Taylor Fitzgerald, Communications Coordinator tfitzgerald@naruc.org, 202-898-1892	We're hiring! Join us as a Technical and Policy Advisor: https://careers.naruc.org/jobs/?keywords=NARUC

www.naruc.org/cpi | Last updated November 2023

Recent Publications

- [Grid Data Sharing Framework & Playbook](#) (Nov 2023)
- [Nuclear Generation in Long-Term Utility Resource Planning](#) (Nov 2023)
- [Guidebook for Federal Funding Opportunities: BIL, IRA, Disaster Preparedness, and Community Resilience](#) (Nov 2023)
- [Resource Adequacy for State Utility Regulators: Current Practices and Emerging Reforms](#) (Nov 2023)
- [Mini Guide on Custom Centers](#) (Oct 2023)
- [Energy Resilience Reference Guide: Developing a Shared Definition of Energy Resilience, Developing a Shared Framework to Value Resilience Investments, and Climate Resilience Strategies for Regulators](#) (2023)
- [Regulators' Financial Toolbox Brief: Virtual Power Plants](#) (August 2023)
- [Overview of RTO/ISO Filing Status in Response to FERC Order 2222](#) (2023)
- [State Microgrid Policy, Programmatic, and Regulatory Framework](#) (August 2023)
- [Clean Energy Microgrids: Considerations for Energy Offices and PUCs](#) (June 2023)
- [Getting Started Guide for Electric Vehicles](#) (July 2023)
- [Onshore U.S. Carbon Pipelines: Siting, Safety, and Regulation](#) (June 2023)

Virtual Learning Opportunities

- Monthly Innovation Webinars. Dec 14: Transforming Energy Distribution with Artificial Intelligence. Jan 11: Workforce Development. Feb 15: Inverter-Based Resources. [Register | Find past recordings](#). Contact Jessica
- Bulk Power System Training. Contact Elliott
 - Dec 5, 2023 | 1:00-3:30pm ET: [Resource Adequacy Concepts & Planning Approaches \(Part I\)](#)
 - Dec 7, 2023 | 1:00-3:30pm ET: [Resource Adequacy Concepts & Planning Approaches \(Part II\)](#)
 - Dec 12, 2023 | 1:00-3:30pm ET: [Fundamentals of Generator Interconnection Planning Processes](#)
- NARUC-NASEO Webinar Series: The Modern Landscape for DER Integration & Compensation. Contact Jeff
 - Dec 4, 2023 | 3:00-4:30pm ET: [Webinar 1: Aggregated DER Grid Services](#)
 - Dec 18, 2023 | 3:00-4:30pm ET: [Webinar 2: Aggregated DER valuation](#)
 - Jan 8, 2024 | 3:00-4:30pm ET: [Webinar 3: Compensation Options for Aggregated DER Grid Services](#)
- On-Demand, Video-Based Learning Modules. Dozens of training videos in English and Spanish on [bulk power system issues](#), [distribution systems and planning](#), [smart grid and EV interoperability](#), and more. Contact Danielle

Upcoming In Person Events *Travel stipends available*

- Distribution System Planning and Resilience Training, Washington, DC. Nov 29-30, 2023; Irvine, CA. Jan 24-25, 2024; Nashville, TN. Mar 20-21, 2024. Includes 101-level sessions, in-depth technical sessions, interactive activities, and peer-sharing opportunities related to distribution system planning and resilience. [Contact Jeff](#)
- Northeast Regional Energy Equity Workshop, Boston, MA. Dec 7-8, 2023. [Contact Danielle](#)
- Cybersecurity Training for Utility Regulators, New Orleans, LA. Mar 12-14, 2024. [Contact Jody](#)
- Certified Natural Gas Site Visit, Denver, CO. Mar 25-27, 2024. [Contact Kathryn](#)

Join a Member Working Group! For Commissioners and Commission Staff

- [Transmission State Working Group](#). Contact Sarah
- [Electric Vehicles State Working Group](#). Contact Robert
- [Performance-Based Regulation State Working Group](#). Contact Elliott
- [Workforce Peer Advisory Group](#). Contact Hyleah
- [NARUC-NASEO Advanced Nuclear State Collaborative](#). Contact Kathryn
- [NARUC-NASEO Microgrids State Working Group](#). Contact Jeff
- [NARUC-NASEO Grid-Interactive Efficient Buildings \(GEB\) Working Group](#). Contact Jeff

www.naruc.org/cpi | Last updated November 2023

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">• Resource Adequacy• Coal and Carbon Management*• Nuclear Energy*• Natural Gas*• Hydrogen• Utility-Scale Renewables	<ul style="list-style-type: none">• Bulk Power System• Transmission Infrastructure*• Transmission-Distribution Coordination• Comprehensive Electricity Planning• Storage	<ul style="list-style-type: none">• DER Integration & Compensation*• Distribution Systems and Planning*• Grid Modernization• Microgrids*• Valuation & Ratemaking*	<ul style="list-style-type: none">• Demand Flexibility*• Virtual Power Plants• Electric Vehicles*• Stakeholder Engagement• Energy Justice• Affordability
Contact Kiera Zitelman		Contact Jeffrey Loiter	
Critical Infrastructure Preparedness, Response, and Resilience			
<ul style="list-style-type: none">• Critical Infrastructure• Cybersecurity for Utility Regulators*• Energy Emergency Preparedness		<ul style="list-style-type: none">• Integrated System Resilience*• Defense Community Partnerships• Workforce Development*	
Contact Lynn Costantini			

**Contact us to join a members-only group on this topic for regular learning and peer exchange opportunities.*

NARUC CPI Recent Publications

CPI publishes numerous reports on timely topics as informative resources for its members & stakeholders. Some recent publications include:

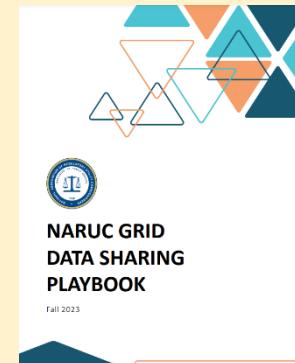
Fall 2023

Fall 2023

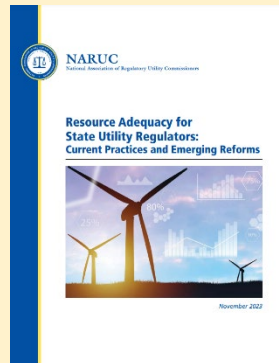
Summer 2023

Coming Soon

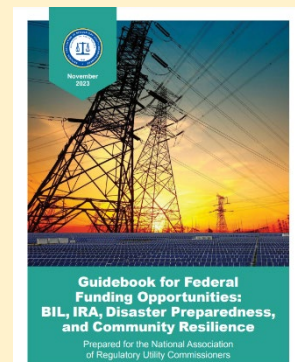
Grid Data Sharing Playbook



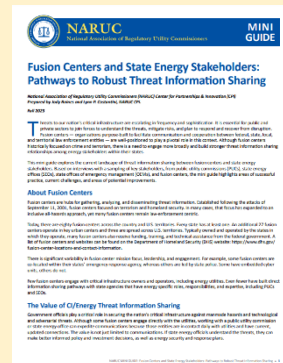
Resource Adequacy for State Utility Regulators



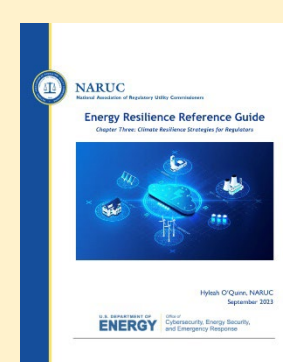
Federal Funding Guidebook



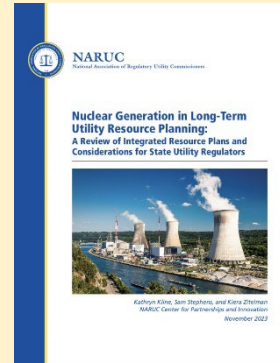
Fusion Centers Mini Guide



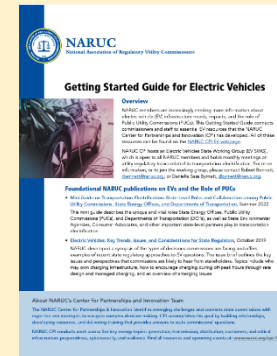
Energy Resilience Reference Guide



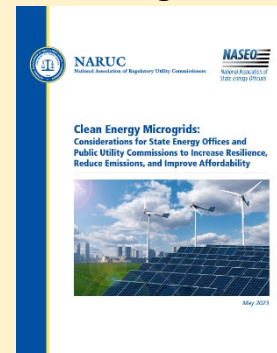
Nuclear Generation in Utility Planning



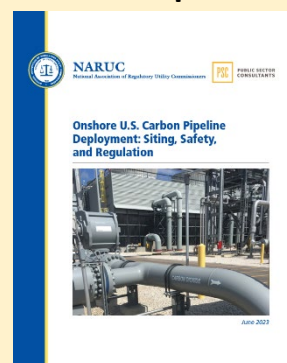
EV Getting Started Guide



Clean Energy Microgrids



Onshore U.S. Carbon Pipelines



- National Electric Vehicle Infrastructure (NEVI) Formula Program Brief
- Mitigating Stranded Asset Risks to Utility Customers from Coal Retirements
- Interregional Transmission Barriers and Opportunities
- Certified Natural Gas Primer

www.naruc.org/cpi/cpi-publications

NARUC CPI Webinars

Every year, NARUC CPI hosts dozens of webinars to encourage information sharing and peer discussion. Some recent webinars include:

Recent Monthly Innovation Webinars

- **Exploring Opportunities for Diverse Talent Recruitment**

January 2024

- **Transforming Energy Distribution with Artificial Intelligence**

December 2023

- **The Energy-Transportation Nexus: Solar Highways and the Road to a Cleaner Grid**

November 2023

- **Coordinating Federal Energy Efficiency Funding with Regulated Utility Programs**

October 2023

www.naruc.org/events/innovation-webinars

Recent Partnership & Working Group Webinars

- **DER-I&C Initiative Webinar: DER Grid Services**

December 2023

- **Training on Bulk Power System Issues: Resource Adequacy, Generator Interconnection**

December 2023

- **CATSS: Strengthening Solar Cybersecurity Toolkit**

November 2023

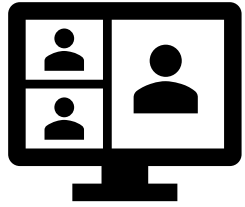
- **EV SWG: Hosting Capacity Information for Electric Vehicle Charging**

November 2023

- **ANSC: Evaluating Waste & Safety for Advanced Nuclear Deployment**

September 2023

www.naruc.org/cpi-1/cpi-events/



Webinars



Trainings

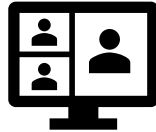


Workshops



Site visits

Upcoming Events



- Innovation Webinar (open to public): Many Flavors of Consumer Choice, March 14, 2024. [Learn more and register.](#)



- NARUC-NASEO-NASUCA Training on Distribution System Planning and Resilience. March 20-21, 2024, Nashville, TN. [Register now.](#)
- NARUC Cybersecurity Training, April 16-18, 2024, New Orleans. [Register now.](#)



- NARUC-NASEO-NASUCA Regional Energy Equity Workshops. May 7-9: Mid-Atlantic region (in DC), June 20-21: Southeast region, Fall: Central region. Contact [Danielle](#)



- NARUC Gas Technology Site Visit, Denver, March 2024. Contact [Kiera](#).
- NARUC Nuclear Site Visit, Knoxville, TN, April 2024. Contact [Kiera](#).
- NARUC Coal Site Visit, Wyoming, June 2024. Contact [Kiera](#).

NARUC Winter Policy Summit

February 25–28, 2024
Westin Washington Downtown
Washington, D.C.

REGISTER NOW!

Free add on event: Weds, Feb.
28, 2024, 1:00-5:00 p.m. [Virtual
Power Plants: Insights on
Planning and Implementation](#)

Get Involved!

- **Attend** a [NARUC meeting](#), training, or site visit
- **Join** a [State Working Group](#): Transmission (Sarah Fitzpatrick), Workforce (Hyleah O’Quinn), Electric Vehicles (Robert Bennett), Performance-Based Regulation (Elliott Nethercutt), Microgrids (Kiera Zitelman), Demand Flexibility (Jeff Loiter), and Nuclear (Kathryn Kline)
- **Sign up** for [NARUC lists](#): CPI general, state working groups, National Council on Electricity Policy ([naruc.org/mynaruc](https://www.naruc.org/mynaruc))
- **Explore** the NARUC CPI website: www.naruc.org/cpi-1/cpi-home

NARUC CPI Staff

www.naruc.org/cpi/cpi-home

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

Danielle Sass Byrnett Senior Director dbyrnett@naruc.org	Lynn P. Costantini Deputy Director lcostantini@naruc.org
Kiera Zitelman Technical Director kzitelman@naruc.org	Jeffrey Loiter Technical Director jloiter@naruc.org
Jody Raines Senior Cybersecurity Policy Specialist jraines@naruc.org	Elliott Nethercutt Principal Regulatory Policy Specialist enethercutt@naruc.org
Kathryn Kline Technical Advisor kkline@naruc.org	Hyleah O'Quinn Policy Advisor hoquinn@naruc.org
Sarah Fitzpatrick Technical Policy Advisor sfitzpatrick@naruc.org	Robert Bennett Technical Specialist rbennett@naruc.org
Dominic Liberatore Finance and Logistics Manager dliberatore@naruc.org	Jessica Diaz Events Specialist jdiaz@naruc.org
Taylor Fitzgerald Communications Coordinator tfitzgerald@naruc.org	

National Conference of State Legislatures (NCSL)

Philene Taormina

Associate Director

philene.taormina@ncsl.org

www.ncsl.org



NATIONAL CONFERENCE OF STATE LEGISLATURES



Energy Program NCEP Update

Philene Taormina

Associate Director – Energy

February 16, 2024

How NCSL Strengthens Legislatures



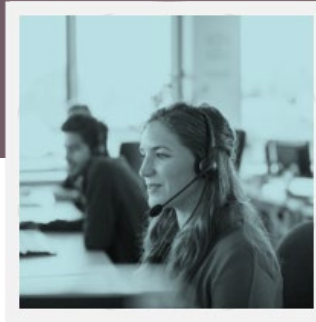
Policy Research

NCSL provides trusted, nonpartisan policy research and analysis



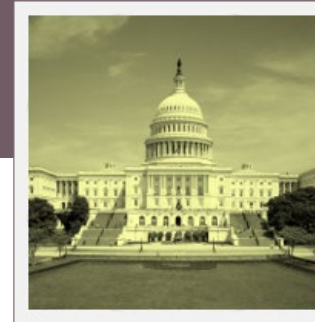
Connections

NCSL links legislators and staff with each other and with experts



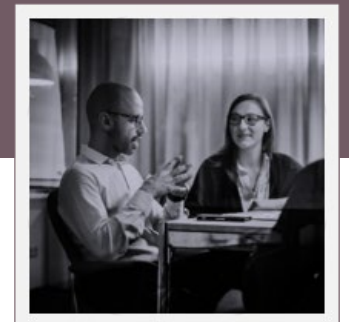
Training

NCSL delivers training tailored specifically for legislators and staff



State Voice in D.C.

NCSL represents and advocates on behalf of states on Capitol Hill



Meetings

NCSL represents and advocates on behalf of states on Capitol Hill

Recent and Upcoming Events

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

Nuclear Legislative Working Group met December 5-6, 2023, in Charlotte, NC
2024 dates TBD

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

Legislative Energy Horizon Institute
July 12-16, Richland, WA
Nov. 20-23, Washington, DC



Energy Staff Network
August 5-7, 2024, as part of Summit in Louisville, KY

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 \(Denver\)](#)

Task Force on Energy Supply
May 16-17, Quebec City, Canada

NCSL Energy Resources

Reports

- [Low-income/Renter Energy Efficiency Toolkit](#)
- [Electric Transmission: A Primer for State Legislatures](#)
- [State Energy Security Legislative Toolkit](#)
- [Annual Legislative Energy Trends Report - updating Feb. 2024](#)
- [Human-Driven Physical Threats to Energy Infrastructure](#)
- [Cybersecurity & Physical Security](#)
- [Disaster Planning & Ensuring Reliable Service](#)
- [Emergency Response Restoration & Recovery](#)
- [Nuclear Power and the Clean Energy Transition](#)
- [Performance-Based Regulation](#)
- [Electricity Markets: A Primer for State Legislators](#)
- [FEMA Funding for Energy Resilience](#)

Popular Web Resources

- [Renewable Portfolio Standards & Goals](#)
- [State Policies Promoting Hybrid and Electric Vehicles](#)
- [Greenhouse Gas Emissions Reduction Targets](#)
- [Building Efficiency](#)
- [Energy State Bill Tracking Database](#)

Webinars & Videos

- [NREE 2024 Webinar Series](#)
 - Energy Efficiency -low-income and renters
 - Grid Resilience - highlight state grid projects
 - EV Deployment and Infrastructure
- [Video Resource Center](#)

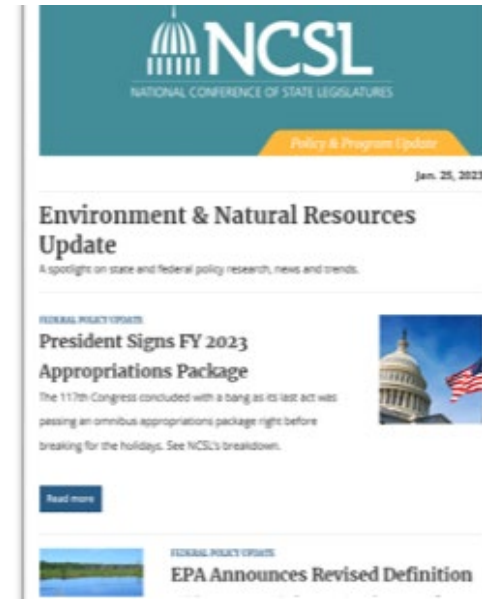
NCSL Newsletters



News Reactor:
Nuclear Update



Plugged In: Energy
Update



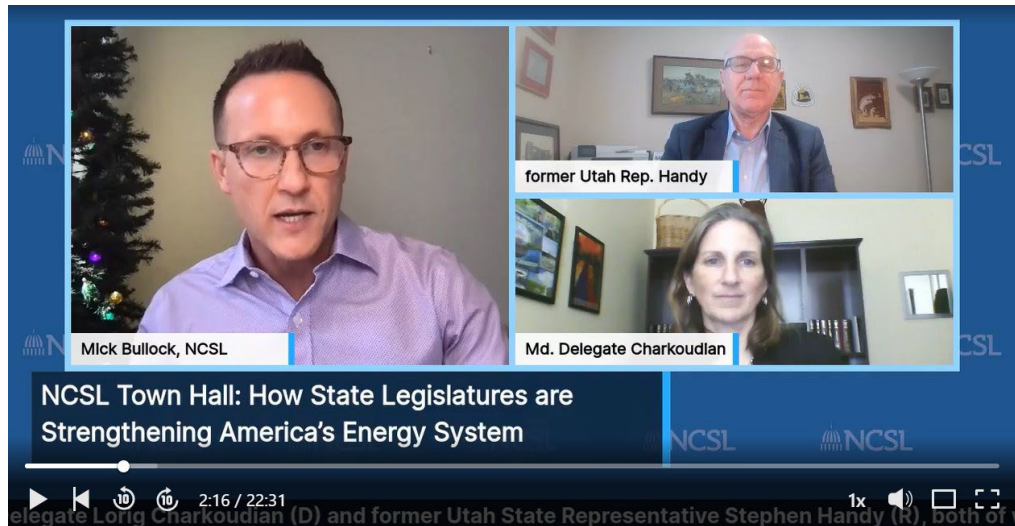
Environment &
Natural Resources
Update



Capitol to Capitol


[Subscribe to NCSL newsletters here!](#)

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





Thank you for joining today!

Philene Taormina
Associate Director – Energy
Philene.Taormina@ncsl.org



For more information
visit:



[https://www.ncsl.org/
energy](https://www.ncsl.org/energy)

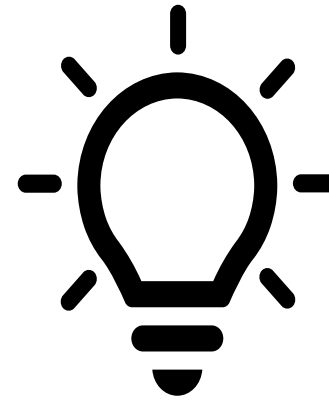


Denver
7700 East First Place,
Denver CO 80230

Washington D.C.

444 North Capitol Street, N.W.
Suite 515,
Washington, D.C. 20001

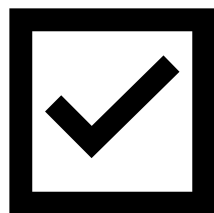
Questions & Answers



Stay Up to Date on NCEP Activities!



Visit the NCEP webpage to find all resources: www.naruc.org/ncep/ncep-home/



Join the NCEP listserv: www.naruc.org/mynaruc/