



NARUC

National Association of Regulatory Utility Commissioners

NARUC Center for Partnerships & Innovation

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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 (Summer – Fall 2022)

- [Grid Data Sharing: Brief Summary of State Practices](#)
- [Models for Incorporating Equity in Transportation Electrification](#)
- [Electric Vehicle Interoperability: Considerations for Public Utility Regulators](#)
- [Mini Guide on Transportation Electrification: State-Level Roles and Collaboration among PUCs, Energy Offices, and Departments of Transportation](#)
- [Workforce Development Toolbox: Recruitment Templates and Social Media Engagement Materials](#)
- [Regulator's Financial Toolbox Summary Briefs: Community Solar for LMI Customers; Electrification; ADMS/DERMS](#)
- [Defense Energy Resilience Key Resources Guide & FAQ for Commissioners](#)
- [Compendium of Cyber Incident Notification Requirements for Critical Infrastructure Utilities by State](#)
- [Nuclear Energy as a Keystone Clean Energy Resource](#)
- [Mini Guide on Engagement between Public Utility Commissions and State Consumer Advocates](#)

Forthcoming Publications

- Black Sky Playbook
- Energy Resilience Reference Guide: Chapters 1 & 2
- Renewable Energy Microgrids
- Potential State Regulatory Paths to Facilitate Low-Carbon Fuels
- Mini Guide on Engagement between Public Utility Commissions and the Investment Community
- State Approaches to Energy Justice: Arrears, Affordability, Participation, Metrics
- Demand Flexibility within a Performance-Based Regulatory Framework
- Primer on Digitalization in Electric Power Systems and Regulation
- Interoperability for Electric Vehicle Charging: A Case Study

Materials from Recent Events

- Distributed Energy Resources Interconnection Workshops. [Resources](#) from July 2022 and September 2022 workshops on designing rules and adopting standards to interconnect and integrate DERs. *Contact Danielle*
- National Council on Electricity Policy Annual Meeting. Presentations from [day one](#) and [day two](#) exploring pressing electricity issues from the customer perspective and valuable opportunities for collaboration. *Contact Sarah*
- Electric Vehicle State Working Group. [Recordings and presentations](#) on equity, interoperability, school bus electrification, pilot programs, and more. *Contact Danielle*
- Microgrids State Working Group: [Recordings and presentations](#) on resilience planning and valuation, renewable energy microgrids, and Bipartisan Infrastructure Law resilience funding. *Contact Kiara*
- 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 Kiara*
- Coal and Carbon Management Partnership Webinars: [Recordings and presentations](#) on technology and regulatory approaches to improving coal performance, understanding new markets, and CCUS deployment. *Contact Kathryn*

Upcoming Virtual Learning Opportunities

- Performance-Based Regulation Webinars. [Recordings and presentations](#) on establishing metrics, determining targets, and establishing performance incentives. Join on Dec. 1: Vermont PBR Case Study. *Contact Elliott*
- Resilience for Regulators Webinar Series: [Recordings and presentations](#) on critical infrastructure resilience with climate change; defense energy resilience, and more. Join on Dec. 19: Climate Modeling for Utilities. *Contact Will*
- Innovation Webinar Series. Dec. 15: Green Banks: Financing a Reliable Future. Jan. 19: Grid Architecture: Why It Matters. Mar. 16: Advances in Resource Adequacy. [Register and see recordings](#) of past events. *Contact Jessica*
- On-Demand, Video-Based Learning Modules. Dozens of training videos are available 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)

- Investing in Grid Resilience Workshop. Nov. 16: Join NARUC and DOE in a facilitated workshop on the Infrastructure Investment & Jobs Act (IIJA) federal investments addressing grid resilience planning, metrics, climate forecasting, and threat-based analysis. *Contact Will*
- Coal and Carbon Management Partnership Site Visit to National Energy Technologies Lab. Dec. 5-7: Tour NETL's Morgantown, WV and Pittsburgh, PA campuses to see the latest carbon capture, utilization, and storage strategies and technologies to increase the efficiency of coal resources. (Open to commissioners only) *Contact Kiara*

NARUC CPI work spans key energy areas

Energy Generation	Energy Transmission	Energy Distribution	Energy Customers
<ul style="list-style-type: none"> • Coal & Carbon Management* • Nuclear Energy* • Natural Gas* • Hydrogen • Utility-Scale Renewables 	<ul style="list-style-type: none"> • Transmission Infrastructure • Transmission-Distribution Coordination* • Storage • Comprehensive Electricity Planning 	<ul style="list-style-type: none"> • Integrated Distribution Planning • Smart Grid / Grid Modernization • Microgrids* • Performance-Based Regulation* 	<ul style="list-style-type: none"> • DER Integration & Compensation* • Demand Flexibility* • Electric Vehicles* • Stakeholder Engagement • Energy Justice
<i>Contact Kiera Zitelman</i>	<i>Contact Tanya Paslawski</i>	<i>Contact Jeffrey Loiter</i>	<i>Contact Danielle Sass Byrnett</i>

Critical Infrastructure Preparedness, Response, and Resilience

- Cybersecurity for Utility Regulators*
- Energy Emergency Preparedness
- System Resilience
- Defense Community Partnerships

Contact Lynn Costantini

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



Electric Vehicle Interoperability Considerations for Regulators



Jasmine McAdams
Summer 2022



Models for Incorporating Equity in Transportation Electrification



Jasmine McAdams
Summer 2022



Compendium of Cyber Incident Notification Requirements for Critical Infrastructure Utilities



Hyleah O'Quinn
July 2022



Nuclear Energy as a Keystone Clean Energy Resource



Prepared by
ENERGY VENTURES ANALYSIS
August 2022

- Grid Data Sharing: Brief Summary of State Practices
- Regulator's Financial Toolboxes: Community Solar for LMI; Electrification; ADMS/DERMS

Recent NARUC CPI Publications

Forthcoming Resources

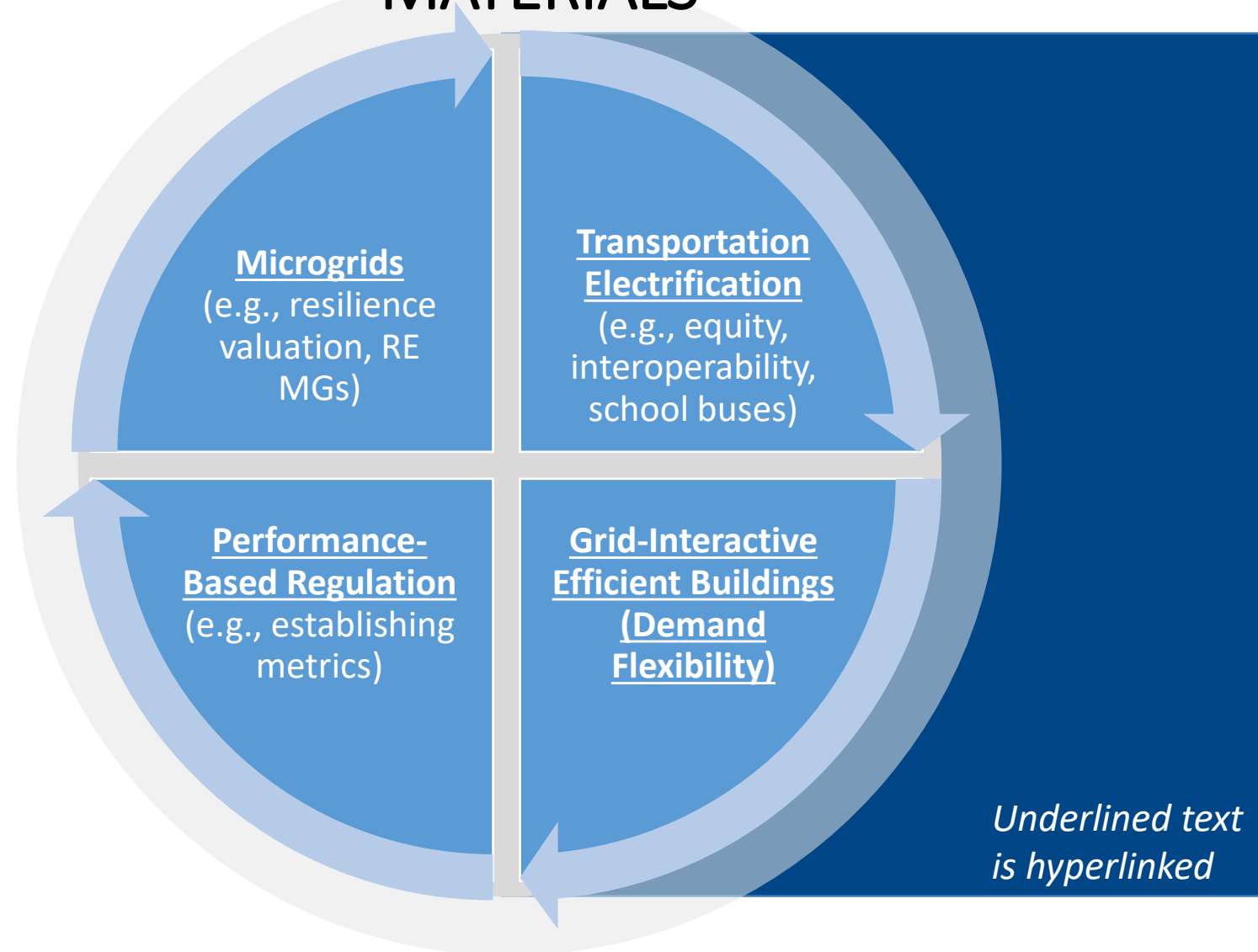
- Black Sky Playbook
- Energy Resilience Reference Guide Chapters 1 & 2
- Demand Flexibility within a Performance-Based Regulatory Framework
- Potential State Regulatory Paths to Facilitate Low-Carbon Fuels
- Renewable Energy Microgrids
- State Approaches to Energy Justice: Arrearages, Affordability, Participation, Metrics
- Primer on Digitalization in Electric Power Systems and Regulation
- Interoperability for Electric Vehicle Charging: A Case Study

RECORDINGS & PRESENTATIONS AVAILABLE

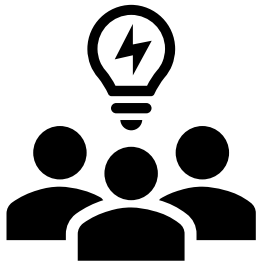
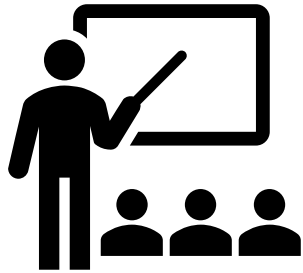
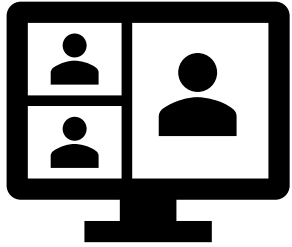
- **On-Demand, Video-Based Learning Modules.** Dozens of training videos available in English and Spanish on [distribution systems and planning](#), [smart grid and EV interoperability](#), and more.
- **[Distributed Energy Resources Interconnection Workshops](#)** on designing rules and adopting standards to interconnect and integrate DERs.
- **[Resilience for Regulators Series](#)** on critical infrastructure resilience in light of climate change; defense energy resilience partnerships; state case studies.



MEMBER WORKING GROUP MATERIALS



Underlined text is hyperlinked



Expect Invitations to 2023 Events

- **Webinar Series. Dec. 15:** Green Banks. **Dec. 19:** Climate Modeling for Utilities (resilience). **Jan 19:** Grid Architecture [Register and see recordings](#) of past events. Open to all.



Integrated Grid Planning (resilience) trainings. Three regional events (attend one) in Summer/Fall/Winter 2023. Open to NARUC, NASUCA, NASEO, NGA, NCSL members.



Regional Energy Justice Workshops, New England in spring 2023; Western in summer/fall 2023. Open to NARUC, NASUCA, NASEO, NGA, NCSL members and community-based organizations.



- **DER-Integration & Compensation Workshops.** Timing TBD. Topical problem-solving workshops for NARUC, NASEO, NASUCA, utilities, DER providers.

- **National Council on Electricity Policy (NCEP) 2023 Annual Meeting.** Usually in September. Intended for NARUC, NASUCA, NASEO, NGA, NCSL members AND stakeholders.



Other possible events: Electric vehicles, storage, off-shore wind transmission, grid data sharing.

Full 2023 calendar under development; available in January/February.

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.



Resources

www.naruc.org/ncep/

Mini Guide Series

- NEW: [Transportation Electrification](#) and State-Level Roles for PUCs, 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 Guide in Development

- PUCs and the Investment Community

IIJA: National State Associations Resilience Planning and Investment Deployment

Technical Assistance Objectives

Facilitate

Facilitate peer-to-peer learning between states and highlight states' energy resilience approaches

Create

Create new resources such as a Resilience Planning Framework to help states assess risk and vulnerabilities, and prioritize investments in a holistic manner

Support

Support states through as-requested technical assistance and funding application support

Invest

Enable states to support investments in grid resilience through support for funding opportunities and cost-share considerations

NARUC Planned Activities and Resources

Level-setting regional workshops

Specific topical training sessions (virtual and in-person)

Mini Guides

State Profiles

NARUC Energy Resilience Reference Guide

Chapters 1 & 2

Grid Resilience Technical Assistance

Phase 1a/1b (winter 2022/23 – summer 2023)

State Status Tracker

Level-Setting Regional Workshops



Phase 2 (fall 2023 – fall 2024)

Working Group Formation

Regional & Working Group Training



Phase 3/4 (winter 2023/24 – fall 2024)

Resource Development

Direct Assistance to States

Contact List

Get in touch!

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