

# Naruc energy storage jeopardy





## Overview

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What is NARUC & why is it important?

Founded in 1889, the Association is a resource for its members and the regulatory community, providing a venue to set and influence public policy, share best practices, and foster solutions to improve regulation. Each summer, NARUC holds committee meetings.

Who is the president of NARUC?

The president of NARUC is Brandon Presley, who was appointed in November 2019 to the position. He serves as Chairman of Mississippi Public Service Commission. NARUC has eight standing committees that propose policies for NARUC to support on federal and state issues.

What is the National Association of Regulatory Utility Commissioners (NARUC)?

The National Association of Regulatory Utility Commissioners (NARUC) is the national association representing the U.S. state public service commissioners who regulate essential utility services, including energy, telecommunications, and water.

What issues did NARUC face in 2016?

Each summer, NARUC holds committee meetings. Major issues in 2016 for regulatory commissioners were rate design and the EPA 's Clean Power Plan. Rate design deals with the issue of how to charge (and pay) customers who generate their own electricity through means such as rooftop solar devices.



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### Redefining Resource Adequacy for Modern Power Systems

Six first principles for resource adequacy for modern power systems. Four recommendations for improved use of RA metrics. Objective. Frame the issues on why a ...

### Bulk Power System

Bulk Power System Learning Modules, 2021-Present NARUC's Center for Partnerships & Innovation offers virtual courses on the bulk power system with relevant information aimed at electric utility regulators. These courses are designed to introduce non-technical



### Storage

About NARUC We represent the state public service commissions who regulate the utilities that provide essential services such as energy, telecommunications, power, water, and transportation and who have largely shaped the profile and substance of public utility

### [Energy Resources and the Environment](#)

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### RTI

PBR for Energy Utilities- 2024 October 29, 30, 31  
2:00 PM ET - 4:00 PM ET Each Day This 6-hour  
course taught live, online by expert Mark Newton  
Lowry will explore various approaches to  
performance-based ratemaking (PBR). The  
traditional cost of service

### Aggregated Distributed Energy Resources in 2024: The ...

2024 T 56. Case Studies: The report concludes  
with three case studies, which detail ADER  
policies and programs implemented in three  
different state and market contexts. The case  
studies highlight each case's enabling context,  
program details, and lessons



### Regulator's Financial Toolbox: Behind-the- Meter Storage

o Moderator: The Honorable Katherine Peretick,  
Michigan Public Service Commission  
o Panelists:  
o Ryan Chan, Customer Generation and Storage,  
Pacific Gas & Electric  
o Arushi Sharma Frank,  
Energy Market Design, and Greg Thurnher, Staff  
Technical Program



### **NARUC Winter Policy Summit, Feb. 25-28 in Washington D.C.**

Elevate Renewables' Founder, Eric Cherniss, will be speaking at the NARUC Winter Policy Summit on the NARUC Committee on Energy Resources and the Environment panel discussing the Repurposing Retired Power Plant Sites. As a national battery storage developer associated with one of the top 5 largest merchant power producers in the US, ...



### **EL-4/ERE-1 Resolution on Modeling Energy Storage and Other**

EL-4/ERE-1 Resolution on Modeling Energy Storage and Other Flexible Resources. Whereas declining costs of new technologies have helped drive market transformation within the electric ...

### **Microgrids**

NASEO-NARUC Virtual Workshop: Engaging States in the Development of the U.S. Department of Energy's Microgrid Multi-Year Program Plan (State and Territories Only), July 10 - 11, 2024 Held virtually View slides from Bobby Jeffers, NREL View slides from Jeff



### **State Commission Staff Surge Call: Equitable Access to Battery**

State Commission Staff Surge Call: Equitable Access to Battery Energy Storage On April 14, 2021, NARUC facilitated a state commission staff "surge" call with the Subcommittee on Energy Resources and the Environment to discuss how commissions are



## Integrated System Resilience

The reliability and resilience of the energy system is drawing increasing levels of attention from state regulators. While reliability is a broadly accepted term with well-defined metrics, resilience--the ability of the system to anticipate, absorb, recover from, and adapt to disruptive events, particularly high-impact, low-frequency events--is not yet incorporated into regulatory ...



### **DOE, NARUC publish cybersecurity 'baselines' for utilities**

DOE, NARUC publish cybersecurity 'baselines' for utilities, distributed energy resources The recommendations "provide a common starting point for cyber risk reduction activities," said

### **Battery Energy Storage Technology Adoption & Electric Utility**

The analysis focuses on the interaction between the growth of battery energy storage (BES) in vertically integrated and restructured states as a relevant test of the hypothesis. BES growth ...



### **Innovation Webinars**

Every month, the NARUC Center for Partnerships & Innovation organizes an Innovation Webinar on an emerging issue in electricity regulation. Held on Thursdays from 3:00 p.m. to 4:00 p.m. ET, these educational webinars are open to the public. With support from



### NARUC launches initiative to enhance gas-electric sector ...

The National Association of Regulatory Utility Commissioners, or NARUC, has launched a 15-month effort to improve coordination between the electric and natural gas ...

### Utility-Scale ESS solutions



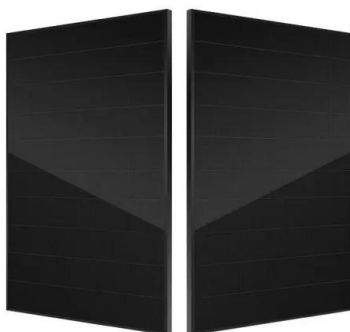
### Storage Resource Library

Storage Resource Library. NARUC has developed a list of resources divided into key topic areas to enable further learning on energy storage challenges, potential solutions, and technologies.

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### National Association of Regulatory Utility Commissioners

The National Association of Regulatory Utility Commissioners (NARUC) is the national association representing the U.S. state public service commissioners who regulate essential utility ...



### [Innovations in Electricity Modeling Training](#)

The National Council on Electricity Policy (NCEP) and Lawrence Berkeley National Laboratory are offering free virtual training on innovations in electricity system modeling, in partnership with Pacific Northwest National Laboratory and National Renewable Energy Laboratory, on October 1, October 12, October 20, and November 1, 2021.



### Regulators' Financial Toolbox: Behind-the-Meter (BTM) Energy Storage

3 In contrast with BTM energy storage systems, front-of-the-meter (FTM) energy storage systems are located on the utility side of the meter and feed electricity onto the distribution system where there is no customer use of the energy before it is injected into the

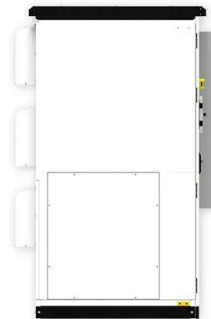


### ESIG-NARUC Training Series on Bulk Power System Issues: ...

ESIG-NARUC Training Series on Bulk Power System Issues: Integration of Utility-Scale Storage Market Design Considerations for Energy Storage ISOs must include a participation model for ESRs that allows them to participate in energy, ancillary service

### Meeting Agenda

NARUC members are invited to learn more and experience how utility-scale battery energy storage systems (BESS) support the grid and the integration of renewables. Participants will see real data about the role battery storage has played in California's renewable energy-heavy grid in recent years, meet with a BESS utility operator and CAISO, and tour the AES Alamosa BESS ...



### NARUC's Center for Partnership and Innovation Smart Grid

Technical Assistance subtopics oEnergy storage performance and costs oStrategies to address equity concerns, oDemonstration support NARUC Point of Contact o Sarah Fitzpatrick ( sfitzpatrick@naruc ) Federal Point of Contact o Office of Electricity: Imre



### NARUC Regulators' Roundtable on Adapting Infrastructure ...

NARUC Regulators' Roundtable on Adapting Infrastructure Planning to Decarbonization Goals renewable energy and energy storage technologies. Decarbonization technologies for the natural gas, transportation, and industrial sectors are less mature than



### INTEGRATING ENERGY STORAGE INTO INTEGRATED RESOURCE PLANS

Informing Energy Storage and Storage-Enabled Microgrid Project Decisions Using EPRI's DER-VET NARUC thanks the U.S. Department of Energy for its support of this series. Title Highlighting University Sponsored Energy innovation centers Author 8/25

### Microgrids

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- LiFePO<sub>4</sub>
- Wide temp: -20°C to 55°C
- Easy to expand
- Floor mount&wall mount
- Intelligent BMS
- Cycle Life:≥6000
- Warranty :10 years



### [Long Duration Storage: What's on tap?](#)

Long Duration Storage: What's on tap? October 13, 4:00-5:00 PM ET Moderator: Hon. Carrie Zalewski, Illinois Panelists: Jason Houck, Sr. Manager, Policy and Regulatory Affairs, Form Energy Michael Purdie, Director of Regulatory Affairs and Markets, National





### Coal and Carbon Management

The market for coal-fired electricity has significantly evolved in recent decades, with coal's share of generation falling across the country. However, coal-fired power is an important resource in many states, and publi

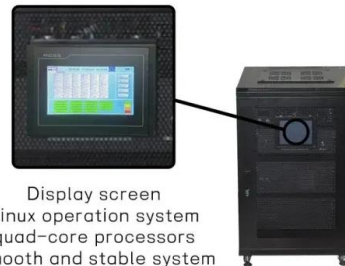


### **Highlighting University Sponsored Energy innovation centers**

NARUC Innovation Webinar: Storage as a Transmission Asset 12 Acknowledgment The work in this presentation was funded by the U.S. Department of Energy,

### Bulk Power System Learning Modules

As the BPS continues to evolve amidst the ongoing energy transition, NARUC has been offering virtual training sessions on relevant information aimed at electric utility regulators since 2021. These resources have been developed by NARUC, with support from the National Association of State Energy Officials (NASEO), the National Association of State Utility Consumer Advocates ...



### **Valuation and Ratemaking**

Webinar: NARUC Financial Toolbox Webinar: Behind-The-Meter (BTM) Storage, October 10, 2023 Customers are becoming active users and contributors to the grid via Behind-The-Meter (BTM) energy solutions, with BTM storage emerging as the latest iteration.





## Contact Us

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