



NASEO Electricity Program Quarterly Newsletter April 2023

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Upcoming Events

Virtual:

- *NASEO-NARUC DER Integration and Compensation Initiative Webinar: Grid Modernization Strategies to Accelerate Deployment of DERs*, April 13, 2023, 2:00pm-3:00pm ET. For more information, click [here](#).
- *NASEO-NCSL Webinar: Grid Resilience Planning Under the Bipartisan Infrastructure Law/Infrastructure Investment and Jobs Act*, Friday, April 28, 2023, 3:30-4:30 p.m. ET. To register, [please click here](#).

In-person:

- *DOE-NARUC-NASEO Nuclear Energy Partnership Site Visit*, April 25-28, 2023, Richland, WA. For more information, click [here](#).
- *Resilience Training for the Southeast Region*, May 9, 2023, Columbia, SC. For more information, click [here](#).
- *NARUC-NASEO-NGA Midwest Regional Roundtable: Equity Considerations in Electricity Planning and Policy* June 6-7, 2023, Minneapolis, MN. Please check NASEO's Events page here for upcoming registration information.
- *NASEO Workshop and Site Visit: Carbon Management and Coal Conversion: State Policy, Program, and Project Development Opportunities*, August 9-10, 2023, Pittsburgh, PA. Please check NASEO's Event page [here](#) for upcoming registration information.

Announcements

Below is a selection of recent announcements. For a more comprehensive listing of funding opportunities, notices of intent, and requests for information, check out [NASEO's Infrastructure Act Resource Hub](#).

NASEO and NARUC Announce Advanced Nuclear State Collaborative

In February 2023, NASEO and the National Association of Regulatory Utility Commissioners (NARUC) launched the [Advanced Nuclear State Collaborative \(ANSC\)](#) with support from the U.S. Department of Energy Office of Nuclear Energy. The ANSC convenes state utility regulators, State Energy Offices, and invited experts to exchange ideas, needs, and challenges related to the planning and deployment of new advanced nuclear generation. ANSC participants will share information on the regulatory, policy, and programmatic steps needed to facilitate the deployment of advanced nuclear and work with peers across different states. State Energy

Offices and Public Utility Commissions from 23 states are participating in the ANSC. For more information, please reach out to Kelsey Jones (kjones@naseo.org).

U.S. Department of Energy Requests Comments on Draft National Transmission Needs Study

This study provides information about capacity constraints and congestion on the national's electric transmission grid. The scope of this study has been expanded through the IIJA to consider both historic and anticipated future capacity constraints and transmission congestion that could affect consumers. DOE is [requesting feedback](#) from the public about analysis gaps or any other comments or suggestions by April 20, 2023.

U.S. Department of Energy Announces \$750 Million to Advance Clean Hydrogen Technologies

The Hydrogen and Fuel Cell Technologies Office released a Funding Opportunity Announcement (FOA) to improve the efficiency, increase the durability, and reduce the cost of producing clean hydrogen with electrolyzers; advance new manufacturing technologies and techniques for clean hydrogen production; and create innovative and practical approaches to increase the reuse and recycling of clean hydrogen and fuel cell technologies. State, local, and Tribal governments are eligible applicants. Concept papers are due April 19 and full applications are due July 19, 2023. For more information access the FOA [here](#).

In Case You Missed It

2023 Energy Policy Outlook Conference session: *Innovative Transmission Solutions: Use of Highway Right-of-Way and Grid Enhancing Technologies to Create a More Resilient and Cleaner Grid.*

At NASEO's Energy Policy Outlook Conference in February, Dan Lloyd, Bureau Chief, Energy Office, Montana Department of Environmental Quality, moderated a panel that examined grid enhancing technology options, explored the potential for adding clean energy and new transmission lines to existing highway rights-of-way, and outlined the role of State Energy Offices in both. For links to the presentations from this informative and compelling session, see below:

- [Innovative Transmission Solutions](#) - Laura Rogers, Deputy Director, The Ray
- [Grid Modernization & Decarbonization](#) - David Townley, Director of Public Policy, CTC Global Corporation
- [Use of Highway Right-of-Way and Grid Enhancing Technologies to Create a More Resilient and Cleaner Grid](#) - Jessica Oh, Strategic Partnerships Director, Sustainability and Public Health Office, Sustainability, Planning, and Program Management Division, Minnesota Department of Transportation
- [Use of Highway Right-of-Way and Grid Enhancing Technologies to Create a More Resilient and Cleaner Grid](#) - Hilary Pearson, Vice President, Policy and External Affairs, LineVision
- [NextGen Highways](#) - Randy Satterfield, Executive Director, NextGen Highways

NASEO-NARUC Microgrids State Working Group Webinar: Innovative Microgrid Project Designs

On March 29, 2023, the NASEO-NARUC Microgrid Working Group held a webinar on *Innovative Microgrid Project Designs*. States are looking at different opportunities to utilize innovative microgrid projects to achieve several state policy objectives and key energy resilience needs. This webinar provided insights into two of those unique microgrid approaches and highlighted the technology, financing models, the role of the state, and purpose of the project. Speakers discussed Iowa's mobile microgrid and California's clean hydrogen powered microgrid. The [recording](#) and [slides](#) are available here.

NASEO Webinar on Clean Hydrogen End Uses and Considerations for State Energy Offices

On March 30, 2023, NASEO held a webinar on *Clean Hydrogen End Uses and Considerations for State Energy Offices*. Clean hydrogen is often valued for its versatility as a decarbonization tool, particularly when looking at the heavy-duty transportation and industrial sectors, with potential applications spanning multiple sectors and end uses. This webinar provided State Energy Offices with an overview of the potential end uses for clean

hydrogen, key factors to consider (such as decarbonization potential, safety and environmental risks, cost effectiveness, market demand, and efficiency), as well as strategies for incorporating these considerations into clean hydrogen roadmaps and other state energy plans. Please find the slides linked [here](#) and the recording [here](#).

NASEO-NARUC Webinar: Grid Investments for FERC Order 2222

On January 27, 2023, NASEO and NARUC hosted a webinar titled *Grid Investments and Technologies Necessary for FERC Order 2222*. State and federal policy makers and regulators are evaluating and determining whether and where to establish new rules and requirements as well as enabling policies to bring both distributed energy resources (DERs) and their aggregations onto the electricity system safely, fairly, and reliably. Underpinning these decisions are the technological requirements for enabling DER aggregation. This webinar highlighted a new report on this topic being developed by the GridWise Alliance. Modeled after their recently released [Technology Portfolio Report](#), which will serve as a resource for stakeholders interested in understanding what specific types of grid technologies and investments are needed for the implementation of FERC Order 2222. The [recording](#) and [slides](#) are available here.

Reports, Information, and Tools

NASEO Hydrogen Map

NASEO has developed a map that provides a visual overview of state-level activities related to clean hydrogen development. It aims to highlight clean hydrogen policies, initiatives, and partnerships led by or involving state government entities (i.e., State Energy Offices, state legislatures, Governor's Offices) and is designed to serve as a resource for State Energy Offices to explore clean hydrogen efforts in other states. NASEO intends to update the map as states adopt new programs and initiatives. Click [here](#) for a link to the map, along with additional hydrogen-related resources.

U.S. Department of Energy Releases Strategy to Accelerate and Expand Domestic Offshore Wind Deployment

On March 29, 2023, the U.S. Department of Energy (DOE) announced the release of its [Offshore Wind Energy Strategy](#), outlining DOE's efforts to deploy 30 gigawatts (GW) of offshore wind energy by 2030 and set the nation on a pathway to 110 GW or more by 2050. Deploying 30 GW of offshore wind would provide enough power for 10 million homes, support 77,000 jobs, and spur \$12 billion per year in direct private investment.

New Report on the Benefit and Urgency of Planning Offshore Transmission

The American Clean Power Association, the American Council on Renewable Energy, the Clean Air Task Force, GridLab, and the Natural Resources Defense Council released a report titled [The Benefit and Urgency of Planning Offshore Transmission](#) on offshore transmission in January 2023. The report highlights how proactive transmission planning for future U.S. offshore wind generation developments will significantly reduce costs, increase grid reliability, minimize environmental and community impact, and help reach clean energy goals in a timely manner. Stay tuned for an upcoming webinar opportunity!

The Critical Role of Transmission in Clean Energy

An issue that continues to come up in discussions about incorporating more clean energy resources into the U.S. energy mix is the need for additional transmission. Given the complexity of these issues, even those of us immersed in the energy world can find it challenging to explain this issue. For a straightforward, 6-minute video produced by VOX, [click here](#).

NASEO wants to highlight your success stories! Please share upcoming events, announcements, publications, and relevant news stories, in the next NASEO's Electricity Committee Quarterly Newsletter. You may direct any submissions or feedback to Catherine Reed (creed@naseo.org).