

IEEE Standard 2800 for Interconnection and Interoperability of Inverter-Based Resources

In recent years, there has been a rapid pace of inverter-based resources (IBRs) interconnecting to the bulk power system, including transmission and sub-transmission systems. IEEE 2800 was published in April 2022 to address the gap in interconnection requirements of IBRs into the bulk power system and the misapplication of IEEE 1547, and to complement the North American Reliability Standard set by FERC and NERC. This new advisory explains the IEEE 2800-2022 performance standard.

- [Advisory](#)
- [Contacts: Fathalla Eldali and Robert Harris](#)

Advancing Drone Use with Autonomous Operation

Soon, utility drones will no longer be limited to staying within the line of sight of their on-the-ground operators. They will be able to travel much farther down the lines, using an array of visual, thermal and LIDAR sensors to accomplish miles of inspection in a single flight. A small number of electric utilities that have received Federal Aviation Administration (FAA) waivers allowing beyond-visual-line-of-sight (BVLOS) flights are already using this technology, and the FAA is moving towards issuing regulations to allow many more utilities the same benefit. Read about these advancements in the new *RE Magazine* article, *Going Beyond*.

- [Article](#)
- [Contacts: Stan McHann and Scot Hoffman](#)

NRECA Broadband Supports Cooperatives' Expansion Efforts

NRECA's mission has always been to promote, support and protect the community and business interests of electric cooperatives and the communities they serve. As part of a new program of services to represent these vital efforts, NRECA Broadband is a new opt-in level of service supporting America's electric cooperatives that are committed to bringing reliable, high-speed internet to their communities. NRECA Broadband provides exclusive access to specific resources to help cooperatives succeed as community-focused telecommunications providers. Learn more from NRECA's CEO Jim Matheson and Chief Operating Officer Jeffrey Connor in our new *Along Those Lines* podcast, and our other resources below:

- [Podcast](#)

- [Article](#)
- [NRECA Broadband Website](#)
- [Sign-up to Participate](#)
- [Additional Broadband Resources](#)
- **Contacts:**
 - Our Team: NRECABroadband@nreca.coop
 - [Paul Breakman](#), Business & Technology Strategies
 - [Brian O'Hara](#), Regulatory Affairs
 - [Katie Culleton](#), Legislative Affairs

Applicable Standards for Small and Medium Wind Turbines

While less common than solar PV in recent years, small- and medium-scale wind turbines have been widely deployed in behind-the-meter applications across the U.S. Understanding standards applicable to small- and medium-size wind turbines is important, as a variety of designs are available in the market. This new advisory, issued through NRECA's [RADWIND](#) project, reviews these standards and opportunities for cooperatives to act as the Trusted Energy Advisor for member-owners interested in deploying wind as a distributed energy resource.

- [Advisory](#)
- [RADWIND Website](#)
- **Contacts:** [Fathalla Eldali](#) and [Michael Leitman](#)

2022 National Compensation System Available

One of the most useful salary benchmarking resources in the industry, the [National Compensation System](#) provides comprehensive salary information compiled from NRECA member electric cooperatives across the country. Accessible anywhere via your secure cooperative.com login, it allows users to customize their data search and export individual reports into a variety of formats. Order today for \$595.

- [Order](#)
- **Contact:** [Beth Wray](#)

Infrastructure Law Resources for Cooperatives

NRECA has a variety of resources now available to members, to help raise awareness of the funding opportunities available through the infrastructure law and to assist members in pursuing those opportunities:

Grant Writing Assistance Portal

Provides NRECA voting members access to grant writing resources to support their efforts to seek federal funding.

- [Grant Writing Assistance Web Portal](#)
- **Contact:** [Lauren Khair](#)

Fact Sheet: Common Federal Grant Data Requirements

Provides insights into common data requirements of grant-making programs.

- **Fact Sheet**
- Contact: [Lauren Khair](#)

Federal Funding Opportunities Webinar Series

Free 30-minute sessions share information about funding opportunities in which cooperatives may want to participate, including new opportunities with the infrastructure law. Next session is **August 17 at 2:00 p.m. ET**. Past webinars are available to members **On Demand**.

- **Webinar Registration**
- Contact: NRECA Team at ResearchFunding@nreca.coop

Professional Community

NRECA members are invited to join our new professional community to stay up to date on research funding developments, by sending a request email to: ResearchFunding@nreca.coop.

Co-op Consortia Opportunities

Members are invited to sign-up to participate in NRECA's consortia focused on five key areas of co-op interest related to infrastructure funding opportunities:

- **Cooperative Approach to Vehicle Electrification (CAVE) Consortium**
Seeks to work with federal agencies, foundations and vendors to provide grassroots electric transportation solutions for rural America. New webinar: **August 24, 2-3 PM ET**.
 - **Information and Sign-up**
 - **Webinar Registration**
 - Contacts: [Brian Sloboda](#) and [Tolu Omotoso](#)
- **Microgrid Consortium**
Seeks to partner with federal, state and local stakeholders to develop resilient, reliable, and economically beneficial microgrid and storage projects.
 - **Consortium Information and Sign-up**
 - **Webinar – On Demand**
 - Contact: [Tolu Omotoso](#)
- **Natural Hazards Consortium**
Seeks to build communities resilient to all hazards through holistic planning and risk assessment.
 - **Consortium Information and Sign-up**
 - **Webinar – On Demand**
 - Contact: [Patti Metro](#)
- **Smart Grids and Data Consortium**
Seeks to use digital technologies to modernize grid infrastructure and better serve their communities.

- [Consortium Information and Sign-up](#)
 - [Webinar – On Demand](#)
 - Contact: [Venkat Banunarayanan](#) and [Fathalla Eldali](#)
-
- **Cyber and Physical Security Consortium**
Seeks to develop and maintain a well-rounded cyber and physical security posture at cooperatives.
 - [Consortium Information and Sign-up](#)
 - Contact: [Ryan Newlon](#)

For More Information and Questions:

- [NRECA Infrastructure Consortia Website](#)
- [SAM.gov: The First Step to Accessing Funds for Co-ops in the Infrastructure Law](#)
- [NRECA Infrastructure Resource Hub](#)
- Contact: [Lauren Khair](#)

UPCOMING CONFERENCES

2022 Safety Leadership Summit

Join us **Aug. 17-19 in Austin, Texas** for NRECA's premier industry, educational and networking event for co-op staff responsible for safety practices. The summit will be held in person with portions available for viewing via livestream as well. New this year: In-person and online registrants can also participate in our whole person health & wellness and concern for community activities.

- [Registration](#)
- Contact for questions: [Perron Nicholas](#)

Business and Technology Strategies Sessions at Regional Meetings

Join us at the upcoming Regional Meetings to hear members of our Business and Technology Strategies group present on a number of important topics for our cooperative members:

- **Refining Your Co-op's Technology Planning Process**
Angela Strickland, NRECA Senior Vice President of BTS
Learn how to have a sound technology strategy, and about opportunities available in the infrastructure bill that may impact your technology strategy.
- **Update on NRECA's Infrastructure Resources and Co-op Consortia**
Emma Stewart, NRECA Chief Scientist, or Paul Breakman, VP, BTS Cooperative Business Solutions (depending on the region)
Receive an update on NRECA's resources and the electric co-op consortia established to maximize potential access to certain funding opportunities within the \$1 trillion bipartisan infrastructure law.

- **Electric Vehicles**

Brian Sloboda, NRECA BTS Director of Consumer Solutions

The necessary network of public chargers needed to support the continual progression of the electric vehicle market presents both challenges and opportunities for electric cooperatives. Learn about the impacts to the current infrastructure and how to be prepared for the coming demand.

LOCATIONS AND DATES

- Indianapolis, IN – September 6 - 8, 2022
- Minneapolis, MN – September 21 - 23, 2022
- Portland, OR – September 27 - 29, 2022
- Hollywood, FL – October 10 - 12, 2022
- Little Rock, AR – October 24 - 26, 2022

- **More Information**

- Contact for Program Information: [Kristen Wheeler](#)

2022 G&T Resource Planning Association Conference – Oct. 18-20

Registration is now open for the [G&T Resource Planning Association Conference](#), October 18-20 in Sandestin, Florida. Hosted by [PowerSouth Energy Cooperative](#), conference highlights include Regulatory Update, Battery Storage Deep Dive and more. Network with co-op colleagues and gain insight into the top issues within the G&T industry.

- **Registration**

- Contact for questions: [Allison Hamilton](#)

WEBINAR OPPORTUNITIES

Federal Funding Opportunities Webinar – August 17

Join us on **August 17 at 2:00 p.m. ET** for our next session in our free monthly webinar series highlighting federal grant and other funding opportunity announcements (FOAs) and opportunities available to NRECA members. These 30-minute sessions share information on NRECA research initiatives and upcoming funding opportunities in which cooperatives may want to participate, including new opportunities with the infrastructure law. Past webinars are available to members [On Demand](#).

Also join our new professional community to stay up to date on research funding developments. Through this community, we will have member discussions and share ongoing updates on research and new funding opportunities as they become available. To participate, send an email request to ResearchFunding@nreca.coop.

- **Webinar Registration**

- Contact: NRECA Team at ResearchFunding@nreca.coop

Electric Vehicle Funding Opportunities - August 24

Join us on **August 24, 2:00-3:00 p.m. ET** for this free webinar to learn more about how NRECA member cooperatives can advance electric transportation programs in their area using funding from federal and private

sources. NRECA's Cooperative Approach to Vehicle Electrification (CAVE) is a network of electric cooperatives that have implemented or are planning to implement a variety of electric transportation programs. This group is working with federal agencies, foundations and vendors to provide grassroots electric transportation solutions for rural America.

- [Webinar Registration](#)
- [CAVE Website](#)
- Contact: [Brian Sloboda](#)

ON DEMAND WEBINARS

- [Microgrid Consortium Webinar](#)
- [Natural Hazards Consortium Webinar](#)
- [Smart Grids and Data Consortium Webinar](#)
- [Co-op Economic Outlook](#)
- [FCC Broadband Initiative](#)
- [RADWIND: Modeling Tools for Distributed Wind Hybrid System Sizing, Integration & Optimization](#)
- [Cybersecurity Incident Response Workshop](#)
- [Federal Funding Opportunities Series](#) (formerly Research Funding Opportunities series)
- [Leading Through the Workforce Revolution](#)
- [Grid Operations & Innovation Series: Wood Pole Production and Quality Assurance](#)
- [Grid Operations & Innovation Series: Wood Poles: The Growing Need for a Supply Chain Strategy](#)
- [Business Insights Series: Enterprise Risk Management: It's a Good Fit for Your Co-op](#)
- [Business Insights Series: Market Segmentation](#)
- [Business Insights Series: Using Performance-Based Frameworks to Deliver Consumer Value](#)
- [Emerging Tech Series: Wind Hybrid Power Plants as an Emerging Energy Resource Option](#)
- [Emerging Tech Series: Utility Uses for Augmented and Virtual Reality](#)
- [Emerging Tech Series: EV Trends and Consumer Perspectives](#)
- [Broadband and Digital Infrastructure Summit](#)
- [The Power of Partnership: Solar Webinar Series – Vol. 1](#)
- [The Power of Partnership: Solar Webinar Series – Vol. 2](#)
- [Integrated Vegetation Management \(IVM\)](#)
- [Series: Mitigating Bird Issues](#)

See past issues of *Business and Technology Update* in our [archive on cooperative.com](#).

Discover the value of NRECA membership. Learn more.

This is a promotion from the National Rural Electric Cooperative Association

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