

TRANSMISSION & DISTRIBUTION ENGINEERING COMMITTEE (TDEC)

Focused on investigating, developing, and promoting engineering and operational solutions to support the goals of electric cooperatives.

WHO WE ARE

NRECA's Transmission and Distribution Engineering Committee (TDEC) is a group of volunteers, including engineers, operations, and supply chain professionals from electric cooperatives along with engineering consultants who work with electric co-ops to address the emerging challenges of the electric grid. NRECA facilitates the activities of the TDEC.

The TDEC's mission is to provide industry leadership and expertise for electric cooperatives to address opportunities and challenges in grid safety and standards; reliability, resiliency and power quality; technology interoperability; renewables integration; and power system planning & operations. In addition, TDEC assists, upon request, the United States Department of Agriculture (USDA) Rural Utilities Service (RUS) on the development, analysis and updates on technical standards, guidelines and specifications.

WHAT WE DO

- Facilitate collaboration and knowledge sharing among electric cooperative members on a variety of grid-related topics.
- Analyze industry trends and innovations, and explore opportunities for adoption by electric cooperatives.
- Create resources and tools on topics of interest and impact to electric cooperatives.
- Develop strategic plan and design techniques of power transmission and distribution infrastructure development and upgrades.
- Represent electric cooperatives' perspective in the development of engineering and technical standards.
- Explore modernization of USDA-RUS construction standards and propose updates to USDA-RUS and electric cooperative community.
- Provide information and insights to assist electric cooperatives in extending the life of existing infrastructure, maintaining system reliability, improving power quality and leveraging advanced technologies.

OUR SUBCOMMITTEES

- Transmission
- Distribution
- System Operations & Controls
- System Reliability
- System Planning

TDEC PRODUCTS

- Distributed Generation Toolkit
- Design Guide for Rural Substations
- Power Quality/Reliability Benchmarking – **coming soon!**
- Distribution Automation Toolkit – **coming soon!**

JOIN US

The NRECA TDEC welcomes new participants on our dedicated subcommittees and contributions to a bright future for electric cooperatives and the power grid. Scan this QR code to submit a brief form to express your interest.

