Guide for Electric Distribution Line Guys and Anchors

Key Highlights

- *The Guide for Electric Distribution Line Guys and Anchors* was developed by the Transmission & Distribution Engineering Committee (TDEC) Distribution Committee Overhead Work Group.
- This Guide includes the standard RUS distribution guy and anchor assemblies and their permitted loads and holding power along with installation guidelines.
- It discusses the component parts of guy assemblies and their strengths, while providing engineers example problems to calculate loading moments, guy resisting forces for several guying situations, guy loads, minimum guy leads, and required pole class to support vertical loads.

What has changed?

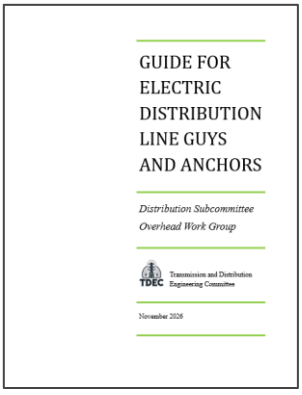
The Guide for Electric Distribution Line Guys and Anchors is meant to provide a general overview for the installing guys and anchors on distribution lines. It is a reference guide for engineers responsible for the design and maintenance of overhead distribution facilities.

What is the impact on cooperatives?

The proper design and installation of guys and anchors is essential for ensuring the safe, reliable, and efficient operation of overhead facilities. The Guide for Electric Distribution Line Guys and Anchors was developed by the Transmission & Distribution Engineering Committee (TDEC) Distribution Committee Overhead Work Group.

What do cooperatives need to know or do about it?

Throughout this Guide are references to rules and select data contained specifically in the 2023 Edition of the National Electrical Safety Code (NESC). At the time this Guide was written, the 2023 Edition was the latest edition of the NESC. Users of this Guide are strongly advised to reference the appropriate rules for complete wording and other possible exceptions not mentioned herein. The NESC is updated and revised, typically on a 5-year cycle. As such, the user should reference the actual wording of the rules, as they may be revised and renumbered from the current edition of the NESC.



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Additional Resources

- Guide for Electric Distribution Line Guys and Anchors
- Transmission Distribution Engineering Committee

Contacts for Questions

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