

## **Maintaining Electric Utility Distribution Systems**

Gain insight into how to develop, enhance, and carry out an effective maintenance program for both overhead and underground high-voltage electric utility distribution systems. Review the latest principles and elements of corrective, preventive, and predictive maintenance programs, as well as best practices in inspecting, testing, and maintaining distribution lines and equipment. Also explore the legal and regulatory aspects of distribution maintenance, including NESC requirements. Preview how utilities are using new technologies to enhance all parts of system maintenance.

### **Topics**

- What a distribution maintenance program entails
- Legal and regulatory considerations in distribution maintenance
- Basic principles and elements of maintenance management programs
- Overhead line maintenance practices and technologies
- Underground line maintenance practices and technologies
- Substation and line equipment maintenance practices and technologies

## **Improving the Reliability & Resilience of your Distribution System**

Reliability is one of the most important attributes of electric utility distribution systems. Today's regulators, customers, and prospective customers are more astute about measuring reliability and know what to look for when evaluating electric service reliability. Increasingly, electric utilities are considering resiliency (the ability to recover quickly from an adverse event) as an element of reliability. Public power providers typically outperform electric cooperatives and investor-owned utilities when it comes to reliability, but they must be proactive and diligent in preparing their distribution systems and organizations to minimize service interruptions and respond promptly when adverse events do occur.

### **Topics**

- The meanings of service reliability and reliability improvement from the perspective of regulators, customers, and utility employees
- Indices and other benchmarks that are used to measure reliability, as well as the factors to consider when setting performance targets and comparing performance with others
- How to build and sustain an organizational culture with practices that support investments in a reliable and resilient distribution system infrastructure
- Specific opportunities for distribution system reliability improvement initiatives
- Overview of significant findings from APPA's most recent Distribution System Reliability & Operations Survey
- Basic elements and outcomes of the Association's RP3 program

**NOTE: Each of these items are a full day of training, so two total days if you would like both of them. In person cost: \$8k/per training; Virtual cost: \$5k/per training**