



TECHNICAL TRAINING COURSES

October 2 – 6, 2017
Charleston, S.C.



**Distribution
System
Economics**

NEW!

**Overhead
Distribution
Systems**

COURSE HIGHLIGHTS

Earn PDHs

Earn 23 PDHs for the Overhead Distribution Systems class and 6.5 PDHs for the Distribution System Economics course.



Experienced Instructor

Learn from an instructor who has over 45 years of experience in the electric utility industry and understands the specific needs of public power utilities.

Unique Teaching Environment

The instructor incorporates group discussion, check-up quizzes, practical design problems, videos, and Q&A sessions into the courses.

Real-Life Examples

All classes are tailored to public power utilities and incorporate real-life examples. Network with peers from across the country and share experiences.

Utility Tour

The Overhead Distribution attendees with tour a local utility's distribution system to observe equipment, operating practices, and practical examples related to classroom discussion.

Who Should Attend

These courses are designed for public power professionals and skilled personnel including: engineers, designers, technicians and field personnel, as well as for all those involved in the management, construction, safety and operational aspects of transmission and distribution systems.

The Distribution System Economics class is also applicable to accountants and business managers who are involved in the economics of electrical distribution.

For more information, visit
www.PublicPower.org/Academy.

Distribution System Economics: Making the Business Case

NEW!

Monday, October 2

Recommended CEUs .7/PDHs 7

Course Schedule

8:30 a.m. – 4:30 p.m.

Course Overview

As the bread and butter of all public power systems, the distribution system is essential to business success. Is your distribution system reliable; resilient; and nimble enough to meet changing policies, technologies, and customer expectations? Does your utility have a plan and budget for expansion, renovation, and replacement of aging components?

Dive into the business management side of electrical distribution. Learn how to present a compelling business case to your management and board for effective distribution management and investment.

Review the basics of distribution management, then work through exercises and case studies to identify the key factors that will ensure your system's continued success through the evolutionary years ahead.

Course Topics

- Business and regulatory imperatives and best practices for a safe and functional distribution system
- Fiduciary responsibility for managing distribution assets
- Engineering economics applied to loss evaluation, investment alternatives, financial risk management, customer contributions, etc.
- Application exercises — transformer purchasing with loss evaluation, circuit re-conductoring economics, customer contributions for line extensions, etc.

Course Level

Basic: no prerequisites; no advance preparation.

Instructor

R. John Miner, P.E., President, Collaborative Learning, Inc., Austin, Texas

What to Bring

Participants are required to bring a scientific/business calculator or mobile calculator app.

Overhead Distribution Systems

Tuesday, October 3 – Friday, October 6

Recommended CEUs 2.3/PDHs 23

Course Schedule

Tuesday – Thursday: 8 a.m. – 4:30 p.m.

Friday: 8 a.m. – Noon

Course Overview

Learn about the planning, design, installation, and maintenance principles that drive today's overhead distribution practices. Learn how to update your utility's overhead line design and construction standards, make better design decisions, reduce construction costs, and enhance safety and service reliability.

Course Topics

- Overview of overhead distribution
- Overhead conductors
- NESC general requirements for overhead lines
- Overhead line clearances and structure loading (with NESC requirements)
- Overhead line structure types and design
- Guying and anchoring for overhead line structures
- Insulation, insulation coordination and lightning protection
- Basic calculations related to overhead distribution systems
- Overhead line grounding

Course Level

Basic/Intermediate: no prerequisites; no advance preparation.

Instructor

R. John Miner, P.E., President, Collaborative Learning, Inc., Austin, Texas

What to Bring

Participants are required to bring either a print or digital copy of the 2017 National Electric Safety Code® (ANSI C2-2017) to the course. Copies can be purchased from IEEE (www.ieee.org; 800/701-4333). Print copies can also be purchased through APPA (EducationInfo@PublicPower.org; 202/467-2919).

Technology Requirements

Participants should bring a calculator, as well as digital photographs of typical installations and standards, along with print samples of their overhead distribution standards, design guidelines, and work packages to share with the group.

A laptop or tablet will also be helpful for accessing overhead distribution references from their utilities and other sources.

Registration and Hotel Information

Register online at: www.PublicPower.org/Academy

Hotel Information

Francis Marion Hotel
387 King Street
Charleston, S.C. 29403

APPA Room Rate

\$199 Single/Double (plus tax)

Room Rate Cut-off Date

September 7, 2017

Reservations

843-722-0600

Please note: It is possible for the room block to sell out prior to September 7, so please make your hotel reservations early.

Registration Fees

Prices increase \$50 after September 11.

Distribution System Economics, Oct. 2

Association Members	\$545
Nonmembers	\$1,090

Overhead Distribution Systems, Oct. 3–6

Association Members	\$1,245
Nonmembers	\$2,490

Registration Fee Discounts

Save **\$50** when you register before September 11.

Save **\$100** when you attend both courses.

Cancellations/No-Shows/Refunds/Substitutions

Registrants who cancel in writing on or before Sept. 25, 2017, are entitled to a refund of the registration fee, minus a \$50 cancellation fee. Registrants who cancel after Sept. 25, will not receive a refund, but may send a substitute to this event only. Reg-

istrants and no-shows who do not cancel by Sept. 25 are responsible for the full registration fee and are not entitled to a refund.

Cancellations must be made in writing and emailed to: Registration@PublicPower.org.

Travel Arrangements

Travel arrangements and costs are the responsibility of the participants (including hotel parking, wifi, incidentals, etc.). APPA will not reimburse for changes in travel expenditures regardless of the cause.

Name Badges

Name badges can be picked up at the APPA registration desk at the hotel starting at 7:30 a.m. on the first day of each course.

Confirmations

Confirmations will be sent via e-mail.

Meals

Beverage breaks are included in the registration fee. All meals are on your own.

Questions?

Email EducationInfo@PublicPower.org or call 202/467-2919.

Continuing Education Units

The American Public Power Association is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.





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