



Line Design and Staking Certification Program Level 3

November 17-19, 2009 • Orlando, Florida • 9:00 am - 4:00 pm

November 20 2009 • Orlando, Florida • 8:00 am – Noon

Workshop overview

In this Level - three course participants will build on the foundation created in Level -two. After completing this course, participants will understand the physical loads on the distribution system and the associated hardware, read DOT projects, class poles, design for special guying situations, calculate sag and create a stringing chart, estimate sag on uneven terrain, and design for crossing under transmission lines.

Other topics this level of study includes instruction on:

- Reading DOT prints and cut sheets
- Transmission conductor crossing analysis
- Sag and stringing charts
- Strength of pole top hardware
- Un-level sag calculations
- Pole class sizing
- NESC: Overload factors, high winds, strength reduction factors
- Use of advanced tools and equipment for field staking

Who should attend?

Engineer Technicians, Engineers, Stakers, Journeymen Linemen, Line Construction personnel, Design Engineers

Registration Deadline: November 9, 2009

Registration fee (Does not include lunch)

\$1,200 per person for FMEA utility and associate members

\$1,300 per person for non-members

Instructor

Mike Cowart, Manager of Training, Power Delivery Associates, Inc, Clemson, South Carolina

Course materials

Students are required to bring their trigonometric functions calculator (ex.TI-30X), protractor, scale, NESC Code Book. It is recommended that students bring pencils (regular and color), paper, highlighters, and tabs for marking important tables.

Cancellation policy

Cancellations must be made in writing and should be sent to Brenda Thompson at bthompson@publicpower.com. Cancellations after November 9, 2009 will be charged 25 percent of the registration fee. No shows will be charged 50 percent of the registration fee.

Questions

Contact **Cheryl Anderson**, Director of Training and Member Services at **(850) 251-5465**.

Workshop location

Orlando Utilities Commission
Gardenia Office Building
3800 Gardenia Avenue
Orlando, FL 32839
(407) 423-9100

Hotel location

The Florida Hotel & Conference Center
1500 Sand Lake Road
Orlando, FL 32822
Phone: (407) 859-1500
Room Rate: \$109.00 (ask for the FMPA rate)



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Workshop registration form

Please complete the following registration form and either fax or e-mail it to FMEA. Duplicate and complete this form for each person attending.

Please check the correct category:

Municipal Utility Associate Member Electric Cooperative Investor-owned Utility Non-member

Full name Nickname for badge

Title

Utility/Company

Address City State Zip

Phone () Fax () Cell ()

E-mail (Required for Confirmation)

Payment information: \$1,200 for FMEA members \$1,300 for non-members

Check enclosed for \$ Please make checks payable to FMEA.

Charge my: Visa Mastercard AMEX Bill me (FMEA utilities only) in the amount of

Cardholder name

Card number Exp. date CCV Code

Cardholder signature

FAX COMPLETED FORM TO FMEA AT: (850) 224-2831 or (850) 222-0358

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FMEA, P.O. Box 10114, Tallahassee, FL 32302-2114
Tel: (850) 224-3314 Fax: (850) 224-2831 E-mail: fmea@publicpower.com
www.publicpower.com

For over 65 years, the Florida Municipal Electric Association has supported and strengthened Florida's community-owned municipal utilities, their 6,000 employees, and the 3 million Floridians they serve. FMEA's Utility Training Institute offers statewide training and certification programs for Florida's municipal electric utilities, electric cooperatives and investor-owned utilities.