Staking Technician Training Seminar—Phase I

AUGUST 10–14 • TEC GEORGETOWN TRAINING FACILITY
Register by July 10

Monday: 1-4 p.m., Tuesday-Thursday: 9 a.m.-4 p.m., Friday: 9 a.m.-noon

This four-part program—covering basic surveying, overhead structure design, joint use and unique structures—is designed to educate and equip the staking technician to design distribution lines.

Class limited to 20 attendees.

To register online, go to texas-ec.org.
STAKING TECHNICIAN TRAINING SEMINAR—PHASE I
August 10–14 • TEC Georgetown Training Facility, 100 Cooperative Way, Georgetown

COURSE INFORMATION

Course Description: This program is designed to educate and equip the staking technician to design distribution lines. The course is divided into four parts: basic surveying, overhead structure design, joint use and unique structures.

Participants learn to:
• Use hand tools to make field measurements of angles, elevations and distances.
• Specify types and placement of guys and anchors based on conductors supported.
• Select pole-top assemblies within load limits.
• Select pole class and span lengths based on wind and ice loads.
• Apply sag and tension tables.
• Explain the concept of ruling span.
• Design unique structures for multiple circuits and extreme wind loads.

Required Materials:
Current NESC Code Manual, scientific calculator

Instructors: Hi-Line Engineering specializes in providing engineering consulting services to electric utilities. Hi-Line's staff exhibits diverse experience in the planning, design, operation and maintenance of electric distribution systems. Plus, Hi-Line offers a variety of training courses geared to the electric utility industry.

COURSE OUTLINE

Part 1—Basic Surveying
This session teaches students how to survey a line route using:
• Fundamental principles
• Measurements
• Elevation profile and object height
• Special techniques
• Total station
• GPS

Part 2—Overhead Structure Design
This session teaches students how to design overhead electrical distribution structures. It covers:
• Conductors and poles
• Pole-top assemblies
• Guys and anchors

Part 3—Join-Use Staking
This course teaches students how to handle joint-use attachments. It outlines:
• Types of joint use
• Determination of strength requirements for aerial attachments
• NESC requirements for separation of joint-use utilities
• Joint-use contracts
• Inspection of joint-use attachments
• Performance of make-ready surveys

Part 4—Unique Structures
This course teaches students how to design special structures that require additional strength. It covers:
• Extreme wind loading
• Double circuits
• Steel poles

Continuing Education Units and Continuing Professional Education Hours
This course may be eligible for CEUs or CPEs, depending on the governing body. Upon request and completion of the entire course, TEC will provide a certificate of completion to participants that may be used to apply for CEUs/CPEs. TEC is registered with the State Board of Public Accountancy as a CPE sponsor. Registration with the board does not constitute an endorsement by the board as to the quality of the CPE program.
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REGISTRATION FORM

Register by July 10. Click here to register online.

Please print clearly.
One registration form per attendee. Duplicate as necessary.

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Registration Fees (all include lunch)

- **Member Registration** $1,855 per person
- **Group Rate for 4 or More Employees** $1,755 per person
- **Nonmember Registration** $1,955 per person

Note: Cancellations received two weeks prior to the start of the workshop are fully refundable. Any cancellations received after this date will be issued a refund minus $175 cancellation fee. Substitutions are accepted. No shows and registrants failing to cancel prior to the first day of the workshop are responsible for paying the full registration fee.

Signature

Register online or email completed form to brobertson@texas-ec.org.

Questions: Brooke Robertson, (512) 486-6212 or brobertson@texas-ec.org

Training Location: TEC Georgetown Training Facility
100 Cooperative Way, Georgetown 78626, (512) 868-8610 or 1-877-868-8610

Suggested Places To Stay: Attendees are responsible for making their own hotel room reservations.

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