



# TEC 2019

DEVELOP TALENT. HONE SKILLS.

## INSTRUCTOR-LED WORKSHOP

## Staking Technician Training Seminar— Phase II

**JULY 8-12 • TEC GEORGETOWN TRAINING FACILITY**

**Register by June 10**

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

This course covers the National Electric Safety Code, easement acquisition, obtaining permits and line inspections.

**Class limited to 20 attendees.**

To register online, go to [texas-ec.org](http://texas-ec.org).



**Texas Electric Cooperatives**

A Touchstone Energy® Cooperative 



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## INSTRUCTOR-LED WORKSHOP

### STAKING TECHNICIAN TRAINING SEMINAR—PHASE II

July 8–12 • TEC Georgetown Training Facility, 100 Cooperative Way, Georgetown

#### COURSE INFORMATION

**Course Description:** The course covers the National Electric Safety Code, easement acquisition, obtaining permits and line inspections. The study of the NESC provides a working knowledge of rules applicable to distribution lines; the section on easement acquisition focuses on what makes an easement legal and how to negotiate for easements; the section on obtaining permits outlines types of government permits required to build a power line and how to get them; and the section on line inspection describes types of line inspections and how to document them.

#### Participants learn to:

- Identify and explain the differences between NESC and NEC.
- Define proper substation equipment clearances.
- Identify proper conductor and pole strengths.
- Calculate proper clearances for installing overhead lines.
- Identify rules for properly installing conduit systems, buried cable and pad-mounted equipment.
- Prepare a legal utility easement and legal property descriptions.
- Recognize personality types and negotiation methods.
- Identify agencies that require permits and obtain contact information and permit forms for each agency.
- Prepare permitting forms and support documents.
- Identify various inspection types and determine when each is needed.
- Properly document inspection.
- Ensure proper record retention.

#### 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—Application and Use of the NESC

This section provides students with a working knowledge of the NESC, including:

- Purpose of the NESC
- Grounding requirements and substation clearances
- Overhead line strength of materials
- Clearances and underground rules

##### Part 2—Easement Acquisition

In this session, students learn about easements, including:

- General definitions and the anatomy of an easement
- Effective negotiating and special situations

##### Part 3—Obtaining Permits

This session teaches students about permitting, including:

- Setting up an efficient permitting process
- Departments of transportation permits
- U.S. Corps of Engineers permits
- Transmission line and miscellaneous permits

##### Part 4—Line Inspection

In this session, students learn the principles of making an inspection, including:

- NESC requirements, records and maps
- Methods of inspection and detailed visual inspection
- Pole strength or integrity

#### 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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Register by June 10. [Click here to register online.](#)

#### Registration Fees (all include lunch)

**Member Registration** \$1,695 per person

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**Group Rate for 4 or More Employees** \$1,595 per person

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**Nonmember Registration** \$1,795 per person

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**Note:** Cancellations received two weeks prior (register by date) 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.

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

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#### 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.

#### Holiday Inn

2370 Chisholm Trail  
Round Rock 78681  
(512) 246-7000  
\$89, includes hot breakfast

#### Hilton Garden Inn Round Rock

2310 North Interstate Hwy 35  
Round Rock 78681  
(512) 341-8200  
\$119, includes hot breakfast

#### Courtyard Austin Round Rock

2700 Hoppe Trail  
Round Rock 78681  
(512) 244-1457  
\$103; Use code X58