



Control Number: 50595



Item Number: 84

Addendum StartPage: 0



Public Utility Commission of Texas

Employee Training Report Required by 16 Texas Admin. Code § 25.97(d)



PROJECT NO. 50595

AFFECTED ENTITY: City of Lubbock, acting by and through Lubbock Power & Light

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

84

Affected Entity: City of Lubbock, acting by and through Lubbock
Power & Light

PROJECT NO. 50595

1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

See Exhibit "A"

Affected Entity: City of Lubbock, acting by and through Lubbock
Power & Light

PROJECT NO. 50595

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

See Exhibit "A"

Affected Entity: City of Lubbock, acting by and through Lubbock
Power & Light

PROJECT NO. 50595

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

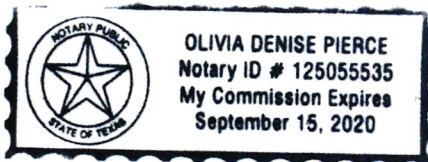
Robert B McGinnis
Signature

Robert B McGinnis
Printed Name

Chief Operating Officer
Job Title

City of Lubbock, acting by and through Lubbock Power & Li
Name of Affected Entity

Sworn and subscribed before me this 29th day of April, 2020
Month Year



Olivia Pierce
Notary Public in and For the State of Texas
My commission expires on Sept 15, 2020

Exhibit “A”

In accordance with the William Thomas Heath Power Line Safety Act, HB 4150, and PUCT Substantive Rule 25.97, the City of Lubbock, acting by and through Lubbock Power & Light (“Lubbock Power & Light”), is providing a summary description of training programs provided to employees related to overhead transmission and distribution lines. Among other things, this training includes hazard recognition, adherence to National Electrical Safety Code (“NESC”) guidelines for construction, operation and maintenance of transmission and distribution lines. Training also includes NESC Rule 232 and clearance requirements over any water surface. Included herein are summaries of the current training modules Lubbock Power & Light provides to employees. Because many of the trainings provided to employees have both NESC and hazard recognition components, the applicable trainings are cumulatively provided herein. The trainings described herein represent only a portion of training provided to Lubbock Power & Light employees, but include the trainings responsive to the requested reporting requirements.

TRAINING SUMMARIES

Summary of TEC Hotline School I-1V (four-day course)

Line Construction I—Rubber Gloving from Bucket. This course is designed for employees at the apprentice level who have performed some rubber gloving from an aerial device on energized conductors. These students should have safely performed limited live line work from an aerial device with full supervision. Through this course, students gain extensive hands-on training and experience during training exercises with experienced craftsmen, who provide one-on-one training. After completing this course, students should be able to perform basic rubber-gloving techniques safely.

Line Construction II—This course is designed for employees in an advanced stage of apprenticeship training who have at least a year of experience safely performing rubber gloving from an aerial device with full supervision. Students should also have experience performing live line work from an aerial device with full supervision, and should be able to perform live line work safely. Through this course, students gain extensive hands-on training and experience during training exercises with experienced craftsmen, who provide one-on-one training on three-phase construction. After completing this course, the students should be able to perform rubber-gloving techniques safely and plan hot work in a safe and proper work order.

Line Construction III—this course is designed for experienced line technicians in all phases of overhead construction and work performance who deal with multiple hazards associated with overhead line work. Students gain extensive hands-on training and experience during the training exercises.

Line Construction IV—this course is designed for experienced line technicians in all phases of overhead construction and work performance, work procedures, and dealing with SCADA, grounding and multi-task job performances. The students get extensive hands-on training and experience during the training exercises.

Summary of TEC Troubleshooting School (four-day course)

This course provides instruction on basic electricity, identifying and correcting line service complaints, identifying errors associated with customer equipment and services, identifying and using all personal protective equipment and cover-up when working on energized equipment, and identifying and

understanding all systematic switching procedures to isolate faulted energized equipment and services on overhead and underground systems.

Summary of Northwest Lineman College

Module 3

Chapter 8 – Conductor Movement and Resulting Clearances

- Identify the NESC Rule which specifies clearances
- Describe key terms
- Describe the basic clearance requirements of the NESC for different situations

Chapter 9 – Conductor Movement and Resulting Clearances

- Determine which tables govern vertical clearances
- Explain how NESC vertical clearances are developed
- Identify clearance charts to determine required clearances at maximum sags
- Explain why additional clearances are required when wire, conductor, or cable is initially installed

Chapter 10 – Clearances Between Crossing Lines and Parallel Lines

- Determine which NESC rule and table governs vertical clearances of crossing lines supported on different structures
- Determine which NESC rule governs horizontal clearances between parallel lines supported on different structures
- Identify clearance charts to determine required clearances at maximum sags
- Explain why additional clearances are required when wire, conductor, or cable is initially installed

American Public Power Association (APPA) Safety Manual

Latest Edition - 16th

The APPA manual deals with the processes involved with safety, training, inspections, reporting hazardous conditions and daily activities that accompany the construction and maintenance of transmission and distribution lines. Employees are provided a safety manual when they begin working with LP&L. The safety manual is part of the training process that ties the technical information with the field application and inspections of lines.

Section 507.1 Working On or Near Exposed Energized Lines and Equipment

- k) Employees shall immediately report to the nearest supervisor any defective line, apparatus or tool, or other condition, which in their judgment may be dangerous to either persons or property or likely to interrupt or delay service.



Public Utility Commission of Texas

Employee Training Report Required by 16 Texas Admin. Code § 25.97(d)

PROJECT NO. 49827-50595

AFFECTED ENTITY: City of San Marcos

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

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1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

City of San Marcos contracted with Schneider Engineering, Ltd. to provide hazard recognition training as part of an overall HB4150 compliance training session. The training documentation included a Microsoft Power Point presentation, a video version of the training and attendance tracking.

The hazard recognition portion of the training included the following learning objectives:

- 1) Review of various categories of electrical hazards;
- 2) Review of hazard situations related to improper vertical clearances on overhead distribution lines;
- 3) Review of photographs of real-world hazardous and code violation situations;
- 4) An interactive session to identify and discuss the severity (potential risks) of the hazard and how to eliminate the hazard and / or report the hazard.
- 5) A summary of hazard recognition and reporting which stressed the obligation the utility has to correct and/or report any hazards related to NESC or NEC code violations.

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

City of San Marcos contracted with Schneider Engineering, Ltd. to provide NESC Code review for construction of electric distribution lines training as part of an overall HB4150 compliance training session. The training documentation included a Microsoft Power Point presentation, a video version of the training and attendance tracking.

The NESC Code review portion of the training included the following learning objectives:

- 1) A review of the NESC and a discussion regarding the importance of the codes for electric distribution utilities.
- 2) The overall requirements of NESC codes and rules for the electric utility industry and how the NESC benefits utilities and the public;
- 3) A review of the most common code violations for electric distribution utilities;
- 4) A detailed review of construction standards and requirements focused on overhead vertical clearances and lake crossing clearances;
- 5) A NESC/NEC "Find the Violation" Exercise (interactive with operations personnel);
- 6) A summary of NESC code requirements related to the construction of overhead distribution lines and the obligation the utility has to construct and maintain clearances to the NESC code.

Affected Entity: City of San Marcos

PROJECT NO. 49827-50595

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

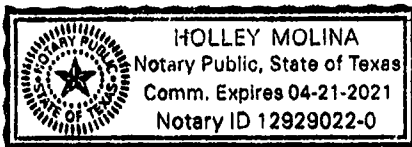
Tyler J. Hjorth
Signature

Tyler J. Hjorth, P.E.
Printed Name

Assistant Director - Electric Utility | Public Services
Job Title

City of San Marcos
Name of Affected Entity

Sworn and subscribed before me this 24 day of April, 2020
Month Year



Holley Molina
Notary Public in and For the State of Texas

My commission expires on 04-21-2021