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Public Utility Commission of Texas

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

PROJECT NO. 50595

AFFECTED ENTITY: City of San Augustine Texas

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

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

In accordance with the William Thomas Heath Power Line Safety Act, HB 4150, and PUCT Substantive Rule 25.97, the City of San Augustine 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 NESC guidelines for construction, operation and maintenance of transmission and distribution lines.

Training also includes NESC Rule 232, clearance requirements over any of the 178 lakes listed in the Act.

Included herein is a summary of the training programs and documents provided by City of San Augustione to its employees related to Hazard Recognition that are most relevant to the provisions *of the William Thomas Heath Power Line Safety Act, HB 4150, and PUCT Substantive Rule 25.97:*
Summary of Hazard Recognition Training:**

HB 4150 Section 38.102(8)(1) requires utilities to provide a summary of hazard recognition training documents for overhead transmission and distribution lines. Hazard recognition training focuses on equipping electric utility employees with the knowledge to recognize clearance hazards of overhead power lines.

Course Outline:
1.Importance of Hazard Recognition for Overhead Power Lines
2. Vertical and horizontal clearance requirements
3. Importance of an intact system grounding system
4. Isolation or/and grounding of anchor guys
5. Hazard Assessment Management
6. *Defining Criteria for Hazard Assessment and Data Collection*
7. Analyzing Data and Determining Appropriate Actions
8. Preparing and Executing an Action Plan
9. Report Documentation and Record Maintenance
Summary of TEC Safety Meeting HB4150 Training:**
The training includes an overview of HB 4150 with an explanation of requirements for the utilities operating in Texas. It also includes hazard recognition training as it applies to the requirements of compliance with the National Electric Safety Code (NESC). This includes clearance requirements for lands, roadways, and waterways. The employee training will define to whom, when and how the bill applies, as well as explanation of guidelines, requirements, and deadlines for filing reports. A portion of the course includes hazard recognition and an explanation of clearance guideline requirements preparing employees to proactively recognize and report hazards and clearance related issues on their utilities' system.
Course Outline:
1.HB 4150 Review
2. Hazard Recognition
3.NESC Clearance Guideline Requirements
Course Materials:
1.Power Point Presentation
2. Presentation Material Handouts
3.NESC Clearance Handouts
4. HB 4150 Law

**All training described is developed and provided by the Texas Electric Cooperatives Loss Control Program.

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.

Included herein is a summary of the training programs and documents provided by City of San Augustine to its employees related to NESC requirements for the construction of electric transmission and distribution lines that are most relevant to the provisions of the William Thomas Heath Power Line Safety Act, HB 4150, and PUCT Substantive Rule 25.97.

Summary of NESC Clearance Requirements:**
This course will educate ail utility personnel whose positions require a working knowledge of the NESC rules, which can include engineers, line workers and staking technicians.

Course outline:
1. Defining sag requirements—Rule 230 2
2. Ground clearances—Table 232-1 and 232-2
3. Clearances to building and signs—Table 234-1
4. Clearances to pools and grain bins—Rule 234E and 234F
5. Joint use clearances—Rule 235, 238, and 239

Summary of Designing Transmission and Distribution Lines Crossing Lake :**
This training reviews clearances as defined by Rule 232 of the NESC and compliance with the U.S. Army Corps of Engineers easement requirements. This training class will review the applicable sections of the NESC as it relates to designing long spans over lakes and the easement terms and specifications commonly found in easements with the Corps of Engineers. The training provides a demonstration of designing a lake crossing using software such as Pole Foreman and Sag 10.
Course Outline:
1. Requirements of the HB 4150
2. Lake Crossing issues
3. NESC Requirements for Lake Crossings
a. Rule 232 Clearances
b. Rule 241 Required Grade of Construction of crossing lakes
c.Rule 2500 Application of Extreme ice
d. Rule 250C Extreme Wind
e. Rule 235Cb Design Considerations for Wire Slap and Sag to Lower Conductors
4. Corps of Engineers Easement Requirements
a. Vertical Clearance Requirements
b. Additional Clearance Requirements for Areas Designated for Rigging or Launching Sail Boats
5. Determining Lake Crossing Clearances
a. High Water
b. Sag and Tension for Long Crossings
c. Worst Case Sag
6. Additional Consideration
a. Transmission Adders
b. Marker Balls
7. Example problems

**All training described is developed and provided by the Texas Electric Cooperatives Loss Control Program.

NOTE: The City of San Augustine neither owns nor operates any Transmission or Distribution facilities at voltages at or above 60kV. However the training for such lines is available anyway as part of the package.

Affected Entity: City of San Augustine Texas **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.

Signature

John Camp
Printed Name

City Manager
Job Title

City of San Augustine Texas
Name of Affected Entity

Sworn and subscribed before me this 7th **day of** May, 2021.
Month Year

NOTARY PUBLIC STATE OF TEXAS
Cinda Garner
My Commission Expires
12/13/2021
ID No. 123998855

Notary Public in and For the State of Texas.

My commission expires on 12/13/2021.