



Control Number: 50595



Item Number: 178

Addendum StartPage: 0

Arthur C. D'Andrea  
Chairman



Greg Abbott  
Governor

2021 APR 13 PM 2:51

Thomas J. Gleeson  
Executive Director

## Public Utility Commission of Texas

April 5, 2021

Bobby Leos  
Lockhart Electric Utility  
308 W. San Antonio Street  
P.O. Box 239  
Lockhart, TX 78644

Dear Mr. Leos,

On April 27, 2020, the City of Lockhart filed a report under the Public Utility Commission of Texas's Line Inspection and Safety program which was supposed to document training topics and materials used to comply with 16 TAC § 25.97(d). Specifically, the City, as an owner or operator of either transmission or distribution electric service lines, was required by May 1, 2020 to file a:

- (A) a summary description of hazard recognition training documents provided by the affected entity to its employees related to overhead transmission and distribution facilities; and
- (B) a summary description of training programs provided to employees by the affected entity related to the National Electrical Safety Code (NESC) for construction of electric transmission and distribution lines.

The report filed by the City did not contain the required summary information. More complete descriptions of the training course and materials used are needed to fulfill the City's regulatory requirement. Accordingly, the City has thirty days from the date of this letter to cure all deficiencies by filing an updated report in Project No. 50595, *Training Reports for Line Inspection and Safety*. If the City fails to file an updated report curing all deficiencies, this issue will be referred to the Commission's legal division for enforcement action.

Should you have any questions, please do not hesitate to contact Davida Dwyer, Director of Enforcement.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas Gleeson".

Thomas Gleeson  
Executive Director



Printed on recycled paper

An Equal Opportunity Employer



## Public Utility Commission of Texas

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

**PROJECT NO.** 50595

**AFFECTED ENTITY:** City of Lockhart Electric Dept.

#### 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, City of Lockhart Electric Dept. 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 Lockhart Electric Dept. 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 Lockhart 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 all 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: City of Lockhart neither owns nor operates any transmission facilities at or above 60kV.C**

Affected Entity: City of Lockhart Electric Dept.

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.

Paul Jear

Signature

Paul Jear

Printed Name

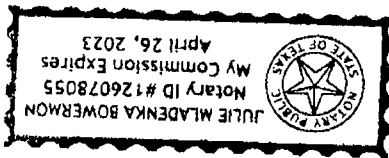
COL ELEC. DEPT. Supt.

Job Title

CITY OF LOCKHART

Name of Affected Entity

Sworn and subscribed before me this 12<sup>th</sup> day of APRIL, 2021.  
Month Year



Julie Madenka Bowerman

Notary Public in and For the State of TEXAS

My commission expires on 4.26.2023