



Control Number: 50594



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## Public Utility Commission of Texas

### Five-Year Report

Required by 16 Texas Admin. Code § 25.97(e)



**PROJECT NO.** 50594

**AFFECTED ENTITY:** Southwestern Electric Power Company (SWEPCO)

#### General Information

Pursuant to 16 Texas Admin. Code § 25.97(e)(1), not later than May 1 every five years, each affected entity that owns or operates overhead transmission facilities greater than 60 kilovolts must submit this 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. Historical five-year reporting period:** 9/1/2019 - 12/31/2019

What percentage of overhead transmission facilities greater than 60 kilovolts did you inspect for compliance with the National Electric Safety Code (NESC) relating to vertical clearance in the historical five-year reporting period?

In order to verify compliance with the requirements of the Commission's rule and HB 4150, AEP Service Corporation (AEPSC) on behalf of SWEPCO is performing a LiDAR inspection of all transmission lines greater than 60kv in Texas to ensure that each line has been designed and constructed in accordance to NESC requirements. Performing LiDAR is necessary in order to survey the system and to create a modern and an accurate record in which to assess compliance. To be proactive, AEPSC began aerial LiDAR inspections in 2019.

While not for purposes of complying with this new rule, annual routine visual inspections of 100% of the transmission system are conducted for public safety reasons. Routine line inspections are conducted to observe and report on the physical condition of transmission lines and their right of way. Line inspections reveal the condition of any line components that may be near the end of their useful life, which may present potential danger to the public or company personnel, or which may pose an immediate threat of circuit interruption. As such, the routine inspection procedures would identify visually apparent safety conditions where appropriate clearances may not have been maintained between the conductor and the ground or an object.



**2. Future five-year reporting period:** 1/1/2020 - 12/31/2024

What percentage of overhead transmission facilities greater than 60 kilovolts do you anticipate you will inspect for compliance with the NESC relating to vertical clearance during the future five-year reporting period beginning on January 1 of the year in which this report is submitted?

AEPSC anticipates completing LiDAR for 100% of SWEPCO's applicable lines over the 2020-2024 reporting period. This engineering grade survey will provide comprehensive analysis capabilities to ensure the physically constructed transmission line's vertical clearances comply with NESC requirements.

The LiDAR is in addition to the annual routine inspections.





**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.

Malcolm Smoak

Signature

Malcolm Smoak

Printed Name

President & COO

Job Title

SWEPCO

Name of Affected Entity

Sworn and subscribed before me this 29<sup>th</sup> day of April, 2020  
Month Year

Linda G. BahmNotary Public in and For the State of LouisianaMy commission expires on w/ life

Linda G. Bahm, ID # 61135  
Notary Public, Caddo Parish, Louisiana  
My Commission is for Life

