



Filing Receipt

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PROJECT NO. 52771

INVESTIGATION INTO THE	§	PUBLIC UTILITY COMMISSION
USE OF DYNAMIC LINE	§	OF TEXAS
RATINGS FOR TRANSMISSION	§	
LINES IN TEXAS	§	

COMMENTS ON COMMISSION STAFF'S QUESTIONS

Lamar County Electric Cooperative Association (LCEC) is a Transmission and Distribution Utility that serves parts of Northeast Texas. Lamar submits the following answers to the Public Utility Commission of Texas questions requested in accordance with Project No. 52771.

QUESTION 1: Are you currently using Dynamic Line Rating (DLR) technology or a similar technology on any circuits? If so, how many? What is your experience on the cost, use and value of these investments?

No

QUESTION 2: Does ERCOT have the appropriate system to take advantage of this real-time technology and is it utilizing this data to expand the use of the power system in a reliable manner?

Unknown

QUESTION 3: Where on your system could additional DLR systems be deployed and at what cost and value to the system and market?

Unknown

QUESTION 4: What are the challenges that a transmission distribution utility (TDU) may encounter when trying to install or implement this technology on a widespread basis?

Unknown

QUESTION 5: Are there drawbacks or benefits to utilizing this technology in the ERCOT market?

Unknown

QUESTION 6: Does the current rate structures in ERCOT reward/encourage grid investments such as DLR?

Unknown

QUESTION 7: Is there an unwarranted cybersecurity risk associated with this technology?

Unknown

QUESTION 8: Will widespread utilization of this technology exacerbate other constraints on the system?

Unknown

QUESTION 9: Should this technology be included in all new high voltage lines within ERCOT?

Unknown

QUESTION 10: Is there system reliability, situational awareness benefits to utilizing this technology?

Unknown

Question 11: Please provide an overall cost-benefit analysis to addition of this technology.

Not Applicable

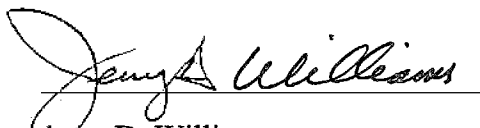
EXECUTIVE SUMMARY

Lamar County Electric Cooperative Association (LCEC) is an ERCOT Transmission/Distribution Service Provider in Northeast Texas. LCEC's Transmission Lines consist of 3 separate lines totaling nearly 10 miles with each ending at a LCEC substation/load.

- Reno Tap – This piece of the Transmission Line is approximately 2.7 miles long and ties into Oncor's 138kv transmission lines just South of Highway 82, East of Reno. Our transmission line is 336 ACSR and has an Amp rating of 519 Amps. This 138kv transmission line runs to LCEC's Reno Substation that contains 2 Transformers that are 12-22mva each. This Transmission Line dead ends at the Reno Substation and does not serve any other areas.
- Lake Creek – This piece of Transmission Line is our longest at approximately 7.2 miles and ties into Oncor's transmission line at LCEC's Enloe 138kv Switch Station. Our transmission line is 336 ACSR and has an Amp rating of 519 Amps. At this location there is 1 transformer that is 20-37.3mva. This substation is built to accommodate the Keystone Pipeline (TC Energy). This Transmission Line dead ends at the Lake Creek Substation and does not serve any other areas.
- Houston Pipe Line – This piece of Transmission Line is approximately 1,500 feet long and ties into Oncor's transmission line South of Paris off of County Road 24200. Our transmission line is 336 ACSR and has an Amp Rating of 519 Amps. This 138kv transmission line runs to a Houston Pipe Line owned Substation. Houston Pipe Line is a natural gas compressor station consisting of two (2) 5,000 horsepower electric motors. This Transmission Line dead ends at Houston Pipe Line and does not serve any other areas.

At this time Lamar see no need for Dynamic Line Rating technology and thus has no recommendations as to the usefulness, efficiency or value of such technology.

Respectfully Submitted,



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