



## Filing Receipt

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# *Public Utility Commission of Texas*

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## **Memorandum**

**TO:** Chairman Peter M. Lake  
Commissioner Will McAdams  
Commissioner Lori Cobos  
Commissioner Jimmy Glotfelty

Interested Parties

**FROM:** Ramya Ramaswamy, Market Analysis

**DATE:** November 17, 2021

**RE:** Project No. 52771 – *Investigation into Use of Dynamic Line Ratings for Transmission Lines in Texas*

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Commission staff requests written comment on the following questions **by noon on December 30, 2021**. Please limit responses to 15 pages, excluding the executive summary. **Comments should include a clearly marked Executive Summary of up to two pages, labeled with the commenter's name, attached as the final page or pages of the submission.**

Questions to be answered:

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?
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?
3. Where on your system could additional DLR systems be deployed and at what cost and value to the system and market?
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?
5. Are there drawbacks or benefits to utilizing this technology in the ERCOT market?
6. Does the current rate structures in ERCOT reward/encourage grid investments such as DLR?
7. Is there an unwarranted cybersecurity risk associated with this technology?

8. Will widespread utilization of this technology exacerbate other constraints on the system?
9. Should this technology be included in all new high voltage lines within ERCOT?
10. Is there system reliability, situational awareness benefits to utilizing this technology?
11. Please provide an overall cost-benefit analysis to addition of this technology.