

Wolf Ranch Outage Summary

Late April and the beginning of May, we experienced a higher volume of outages than we normally have on the Georgetown electric system. The main cause of the increased volume of outages was due to the weather, specifically the lightning storms along with high winds. The main areas of the Georgetown system that were impacted was HWY 971 and Crystal Knolls, parts of the Wolf Ranch subdivisions, the Georgetown Country Club area, University and D.B. Woods/River Chase area and one outage in Sun City.

4/30/2023, Outage in Wolf Lakes affecting approximately 2200 customers:

- Damaged switchgear that required replacement as well as damaged primary cable, cause lightning.
- Due to the damage to the primary cable from a switchgear failure we moved the electric load to isolate the cable so the damaged cable could be replaced.



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5/3/2023 Outage affecting 2,227 customers, duration was 1 hour and 57 minutes. The cause of the outage was catastrophic failure of an air brake switch due to lightning.

5/11/2023 we completed repairs of the damaged primary cable from the 4/30/2023 outage and moved the load back to normal.

5/16/2023 Outage start time was 2:35pm, duration was approximately 2 hours affecting 2115 customers in the Wolf Ranch area. The cause of the outage was lightning which damaged a key piece of electric equipment called a switchgear.

This was the third switchgear in a 2-month period that had experienced catastrophic failure due to lightning.



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Actions we did take:

Circuits that had been affected by lightning and wind we patrolled to identify any potential issue that needed to be addressed. Any issues identified, we pro-actively repaired/replaced to mitigate future outages. If there were potential tree issues, we immediately moved the tree crews to the location to trim.

Some specific actions:

- Sent the damaged switchgear back to the vendor for a detailed investigation to verify the cause of the failure.
- An electric crew inspected the switchgear in the immediate area of Wolf Ranch to proactively identify any potential issues.
- Electric Engineering reviewed the circuits to verify coordination/system protection was correct in the area.



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Annual Inspections and Maintenance:

- Switchgear Inspections
- URD Inspections
- Pole Inspections
- Air Brake Inspections
- Tree Trimming

