

02/07/19 - ERCOT ROS Meeting

ETT Warranty Claims

ETT is in the process of replacing defective tower arms from 2 manufacturers.

Manufacturer 1 – 2,096 Tangent Towers (Drone inspection protocol)

- 16,768 tangent arms
- 1,592 tower inspections complete as of 02/01/19 (76%)
- 786 arms replaced as of 02/01/19

ETT has moved to drone inspections for Tangent towers. Drones can inspect while the lines are energized, however, arm replacement requires an outage. The drone inspection process is anticipated to be complete by 04/15/19 pending good weather and flying conditions. Drone inspections will take place over the next several years and arm change outs are to be scheduled with planned maintenance outages as much as practical to minimize impact to the system.

Manufacturer 2 – 647 Tangent and Angle Structure Towers with 239 structures inspected (37%)

Arms

- 5,167 davit arms
- All arms in process of total replacement

Towers

- 199 base flanges to be inspected – Complete
- 409 pole flanges to be inspected – 243 complete (59%) as of 02/01/19
- Over 700 weld repairs on 109 flanges and one tower change out completed as of 02/01/19

If the wind exceeds the safe operating conditions for the equipment being used, for safety concerns, work is stopped. This condition is called a “Wind Out.” Wind Outs / weather have reduced crew productivity. Scaffolding has been brought in to help reduce Wind Outs and improve welding productivity.

Due to testing requirements and safety concerns the work cannot be done when the line is energized requiring a full outage on the two circuits.

Timely provision for line clearances will be made as required for meeting the schedule – including constraints for wildlife and agricultural seasonal restrictions.

The inspection and replacement plan is currently in Outage Scheduler. ETT and ERCOT are working together to minimize impact to the network.

Quarterly reviews take place on progress with PUCT, Constance McDaniel-Wyman as lead for Commission Staff.



