

Transmission Service Provider Winter Inspection Checklist

Public Utility Commission of Texas (PUCT) Weather Emergency Preparedness 16 Texas Administrative Code (TAC) §25.55	Yes	No	N/A
1.) 16 TAC §25.55(f)(1)(A)(i)			
By December 1, records confirming the operability of all systems and subsystems containing all cold weather critical components (CWCC) prior to winter season			
Records confirming operability throughout the winter season and completion of any ongoing requirements at the appropriate time			
2.) 16 TAC §25.55(f)(1)(A)(ii) Part 1			
By December 1, records confirming that the sulfur hexafluoride (SF6) gas in breakers and metering and other electrical equipment is at the correct pressure and temperature prior to winter season			
Records confirming that above equipment is at the correct pressure and temperature throughout the winter season			
3.) 16 TAC §25.55(f)(1)(A)(ii) Part 2			
By December 1, records of performing annual maintenance that tests SF6 breaker heaters and supporting circuitry to assure that they are functional			
4.) 16 TAC §25.55(f)(1)(A)(iii) Part 1			
By December 1, records confirming the operability of power transformers and auto transformers in winter weather emergencies by: Inspecting heaters in the control cabinets			
By December 1, records confirming the operability of power transformers and auto transformers in winter weather emergencies by: Verification that main tank oil levels are appropriate for actual oil temperature			
By December 1, records to confirm the operability of power transformers and auto transformers in winter weather emergencies by: Inspecting bushing oil levels			
By December 1, records to confirm the operability of power transformers and auto transformers in winter weather emergencies by: Inspecting the nitrogen pressure (if necessary)			
By December 1, records to confirm the operability of power transformers and auto transformers in winter weather emergencies by: Verification of proper oil quality such that moisture and dissolved gases are within acceptable ranges for winter weather conditions			
5.) 16 TAC §25.55(f)(1)(A)(iii) Part 2			
Records to confirm the operability of power transformers and auto transformers throughout the winter season by: Inspecting heaters in the control cabinets			
Records to confirm the operability of power transformers and auto transformers throughout the winter season by: Verification that main tank oil levels are appropriate for actual oil temperature			
Records to confirm the operability of power transformers and auto transformers throughout the winter season by: Inspecting bushing oil levels			
Records to confirm the operability of power transformers and auto transformers throughout the winter season by: Inspecting the nitrogen pressure (if necessary)			

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Records to confirm the operability of power transformers and auto transformers throughout the winter season by: Verification of proper oil quality such that moisture and dissolved gases are within acceptable ranges for winter weather conditions			
6.) 16 TAC §25.55(f)(1)(B) Part 1			
By December 1, records demonstrating that the TSP's existing weather emergency preparation measures are adequate to meet (f)(1)(B). Method of demonstration may be 1) a wind chill value calculated from the design basis cold temperature and the design basis wind speed, 2) historical operational data, or 3) other; if other, confer with W&I management after inspection.			
7.) 16 TAC §25.55(f)(1)(B) Part 2 (only if part 1 not used)			
By December 1, records demonstrating TSP implemented additional weather emergency preparation measures to meet (f)(1)(B).			
8.) 16 TAC §25.55(f)(1)(C)			
By December 1, records of reviewing adequacy of staffing plans for a winter weather emergency, and if appropriate, revised staffing plans			
9.) 16 TAC §25.55(f)(1)(D)			
By December 1, records of training relevant operational personnel* on winter weather preparations and operations			
10.) 16 TAC §25.55(f)(1)(E)			
By December 1, list of cold weather critical components (CWCC)			
Process to review list at least annually by December 1			
Process to update list as necessary			
11.) 16 TAC §25.55(f)(1)(A)			
Does the TSP have records it implemented weather emergency preparation measures that could reasonably be expected to ensure the sustained operation of all CWCC during winter weather conditions using either personnel or automated systems where appropriate?			
12.) 16 TAC §25.55(g)(2)(B)			
If the TSP has not complied with any part of 25.55(f)(1), confer with the TSP on a cure period to address identified deficiencies and document accordingly. The weatherization team will discuss factors, determine an appropriate cure period, and inform the TSP of the cure period.			

*ERCOT interprets “relevant operational personnel” as used in 16 TAC §25.55(c)(1)(D), (c)(2)(D), (f)(1)(D), and (f)(2)(D) as, *“Any relevant personnel directly responsible for implementing, maintaining, or overseeing the weather preparations and operations measures, or taking action as part of the weather response in accordance with §25.55 Weather Emergency Preparedness.”*