ERCOT GTC Updates

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Panhandle GTC Update

- The update is based on Q2 2024 QSA study.
- No interface definition change.
- With this update, Panhandle GTLs under both no prior outage and with prior outage conditions are based on nearby Panhandle IBRs (Wind & Solar) dispatched at 90%.
- This GTC update became effective on August 1, 2024. This GTC interface and associated Generic Transmission Limit (GTLs) are available in the posted Generic Transmission Constraints Methodology.
  https://mis.ercot.com/secure/data-products/grid/transmission?id=NP3-770-M

Large Load Impact on McCamey GTC Limits (GTLs)

- Seven operational Large Loads (LLs) within McCamey GTC
  - All connected to the 138kV system
  - ~480MW (ERCOT approved) and included in the study
- Dynamic model for LLs
  - Composite load model “CMLD**U2” (motor + electronic) as provided by TSPs (LCRA & TNMP)
  - In the QSA/GTC study, the electronic component of LL is assumed to be tripped with no reconnection once the voltage drops below 0.75pu, based on the observation in the recent actual events.
- In this McCamey GTC update, LLs start to have material impact on the GTC limits, which have been posted at ERCOT MIS. For example, under no prior outage condition, ~200 MW (~6%) reduction of GTL is observed for McCamey GTC.