



# ERCOT GTC Updates

Transmission Operations Planning

ROS Meeting  
10/07/2021

# Recent GTC Update Summary

- McCamey GTC Update
  - Based on 2021 Q3 and Q4 QSA studies and a follow-up GTC study
  - The update is for multiple new generation resources (GRs) in McCamey, especially 345kV connected GRs
  - GTC interface update
    - The previous GTC interface is comprised of 345kV lines, 138kV lines, 69kV lines and 138/69kV transformers. It is a close-loop interface.
    - The updated GTC interface is only comprised of 345kV lines. It is an open-loop interface.
    - 345kV connected GRs have a higher stability impact than 138kV connected GRs, based on recent QSA/GTC studies

\* <https://mis.ercot.com/secure/data-products/grid/transmission?id=NP3-770-M>

## Recent GTC Update Summary

- McCamey GTC Update
  - SOL/GTL update
    - The previous GTL is only applied to prior outage conditions. No constraint (GTL = 9999) is applied to no prior outage condition.
    - Limited GTL is applied to no prior outage condition in the updated GTC.
  - McCamy GTLs/SOLs become IROLs in the updated GTC
    - System-wide instability is observed when the SOL is exceeded.

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