



RPG Submittal Review and Expectation: Construction Outage and New Confirmed Load

Transmission Planning, ERCOT

Regional Planning Group (RPG)
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Consideration of Construction Outages

- Depending on the scope of RPG projects, transmission outage(s) may be required while implementing the transmission improvements. Such outage(s) may cause some impact, such as congestion, in operations.
- ERCOT is requesting stakeholder feedback on whether we are appropriately considering the impact of outages that may be required for the implementation of transmission improvements.
- Stakeholder's input related to considering construction outages in planning studies can be sent to SunWook.Kang@ercot.com by end of January.

Example

- Hamilton-Maxwell 138 kV Line Rebuild Tier 3 Project:
 - Based on experience and knowledge in the area, ERCOT performed a cursory analysis to review the potential impact of construction outages related to the project.
 - No significant congestion impact was observed in a UPLAN study of the construction outage
 - AEP also provided additional information to RPG:
 - Transmission system in the area, other than the Hamilton-Maxwell 138 kV line, is expected to stay intact during the line rebuild
 - Results of additional studies with the construction outage indicated no reliability or congestion issues in the area
 - Cost of the line rebuild with construction outage is \$33.5M, compared to \$37.5M if energized (hot) construction method is used
 - Energized construction or new line construction is more expensive and may require new rights of way

Information Necessary for New Load – ERCOT Independent Review

- If Tier 1 or Tier 2 RPG projects are driven by a new load, the following data should be submitted to ERCOT for an independent review:
 - A signed load interconnection agreement, notice to proceed, and any financial security required for the upgrades needed to serve that customer
 - Data associated with the new load
 - In-service year
 - MW and MVAR
 - Yearly load projection associated with the new load
 - Location of the new load (i.e., point of interconnection)
 - Nature of the new load (e.g., industrial load)



Stakeholder's Feedback to SunWook.Kang@ercot.com