



Panhandle Generic Transmission Constraint (GTC)

ERCOT

October 20, 2015

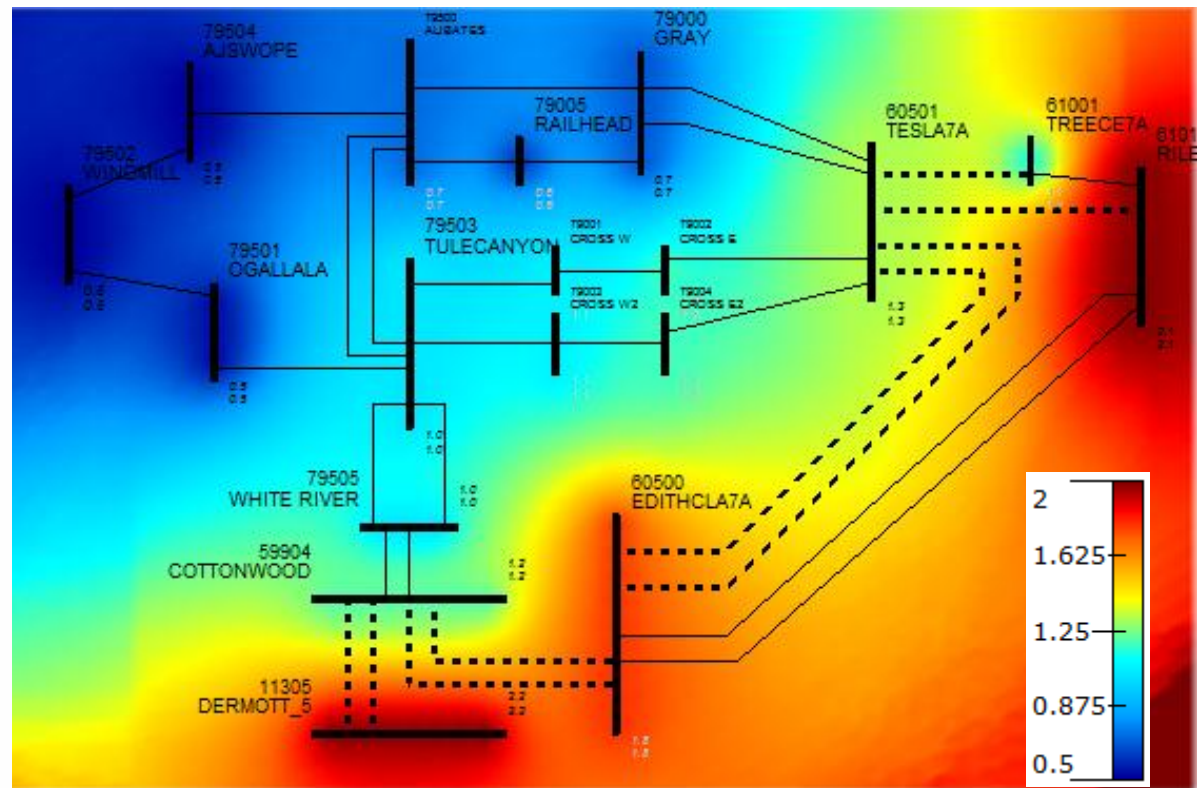
ERCOT Regional Planning Group Meeting

Panhandle GTC

- Panhandle Interface
- Panhandle Export Consideration and Management

Panhandle Interface

- The interface (dash line in the figure) is defined based on short circuit levels.
- Cottonwood – Dermott (Double Circuits)
- Cottonwood – Edith Clarke (Double Circuits)
- Tesla – Edith Clarke (Double Circuits)
- Tesla – Jim Treece/Riley (Double Circuits)



Panhandle Export Consideration

- Reliability Requirement
 - Thermal
 - Stability
 - System Strength
- Maintaining the proposed minimum system strength (an WSCR at or above 1.5) by managing the Panhandle generation export is recommended for real time operations to avoid potential wind generation control issues.
- Work on determining the most appropriate methods and requirements for assessing system strength for weak grid conditions is in progress. (Panhandle Detail Study Project, is expected to finish by December 31, 2015).

Panhandle Export Management

- Thermal: RTCA
- Stability: DSA Tools
- System Strength: WSCR
 - An WSCR tool is expected to be implemented in 2Q, 2016.
 - Prior to the tool implementation, an offline analysis will be conducted to determine the export limit for real time operations.