



Panhandle Update

ERCOT System Planning

December 15, 2015

ERCOT Regional Planning Group Meeting



Previous Studies

- April 2014, Panhandle Study
 - Assessment of transmission for new wind generation in Panhandle region
- September 2015, Panhandle Transfer Capability Study
 - Identify transmission upgrades for the existing Wind Generation that satisfy PG 6.9 in Panhandle Region
 - PUCT identified second circuit addition as needed under CREZ order
- October 2015, Panhandle Loop Project
 - Identify two synchronous condensers as transmission upgrade that pass the ERCOT economic planning criteria.

Ongoing Studies

- Panhandle Detail Study
 - Review the WSCR methodology and its criteria of 1.5
 - Review the study tool and model adequacy under weak grid condition
 - Will be completed in January, 2016
 - Schedule to present the results to ROS in February, 2016
- Panhandle Export Constraint – Operation Horizon
 - Stability: real time DSA tool
 - WSCR: off-line calculation
 - Real time tool is under development stage and expect to be implemented in 2016.
 - Schedule to complete the study in December, 2016