

RPG
November 18, 2014
9:30 a.m. to 12:00 p.m.

Misc. Updates

1. Last week we sent the Independent Review on the Jones Creek Project
 - a. Had a load update that came in; some MW changed, total still about the same
 - b. Took comments from last RPG, tested additional G-1 scenarios
2. 200 MW plant at Cottonwood, interconnection agreement
 - a. Sharyland has additional 500 MW plant
3. CPS LCRA Transmission Addition Project
 - a. Current deadline pushed to Dec. 11, hope to get report out by end of year
4. Tomorrow, November 19, SSO workshop
5. December 5th: new planning geomagnetic disturbance task force
6. Review of PLWG agenda for afternoon of 11/18
7. Brady Area IR completed
8. Sandeep: RTP/LTSA
 - a. Wrapping up reliability portion of LTSA
 - b. RTP almost done, hoping to get report out for review prior to Thanksgiving
9. MIS: Interconnection studies have now been classified certified documents: TSP only
 - a. Q: Why can't we see those now, we should be able to see what we could always see
 - b. Jeff to check into details and report back

LCRA Goldthwaite-Lampasas Project: Cole Dietert, Dylan Preas

- Proposing to upgrade the 69kV to 138kV
- 7 options considered
- Best solution to convert Goldthwaite to Lampasas from 69 kV, 42 MVA to 138 kV, 223 MVA by June 2017
- Benefits:
 - Eliminate thermal and voltage violations
 - Maximize generation deliverability in the area
 - Eliminate approx. \$15 Million 69 kV line overhaul

2015 West Texas Study Introduction: Jeff Billo

Study Need

- Rapid oil and gas development in Permian Basin

- 2014 RTP study used 2013 load forecast data that may not reflect latest trends; working to get latest load forecast data and utilize that information
- Recent report published by Texas Tech
 - Permian Basin has greatest rig count of any basin/region in the world
 - Since December 2013, the number of horizontal oil-directed rigs in area rose by 63%
 - See Report at:
 - <http://www.depts.ttu.edu/communications/media/downloads/PermianBasin.pdf>
- Study Goals: identify transmission needs using latest forecast data and develop comprehensive transmission plan to address identified needs through 2020.
- Receive updated load forecast data by working with oil and gas industry to provide data by November 28, 2014. TDSPs to provide model updates (idevs) to ERCOT by December 12, 2014.
- Study Approach
 - Assumptions
 - Use final WFW reliability cases from 2014 RTP (2015, 2017, 2019, 2020)
 - Use economic cases from 2014 RTP for economic analysis (2017 and 2020)
 - Update load forecast data for West and Far West
 - Update generation per latest information
 - All other assumptions consistent with 2014 RTP
 - Analysis
 - Steady-state reliability (N-1, G-1+N-1, X-1+N-1)
 - Economic (N-1)
 - Additional sensitivities TBD
- Deliverables: cases will be posted on MIS, updates given at RPG meetings, and final report including project recommendations.

Q: How much energy does a horizontal well use?

A: It's horizontal recovery and it's about 4 to 5 times the vertical recovery, about 130 HP for horizontal

Q: Permian basin rose by 63%, what kind of count

A: might be in report referenced

Q: Oil prices drop, how is that going to be reflected in load forecast data?

A: ERCOT is asking the oil and gas industry to provide us with their data. We will also bring consultant on board, to help us fill in the gaps.

Q: Can you tell us when you plan to have the consultant on board for this?

A: We're looking right now.

Q: How will you address loads beyond two-year window if you do a long-term study?

A: We've been meeting with some folks in the industry (Permian Basin Petroleum Association). We've stressed our need to have data that far out and they have committed that they believe that they can provide that information to us.

Q: Different dispatches—low wind, high wind, etc. are you looking at those dispatches as well?

A: Thinking that we'll do a low wind, same as RTP, and a no-wind analysis as well.