



LP&L ERCOT Integration

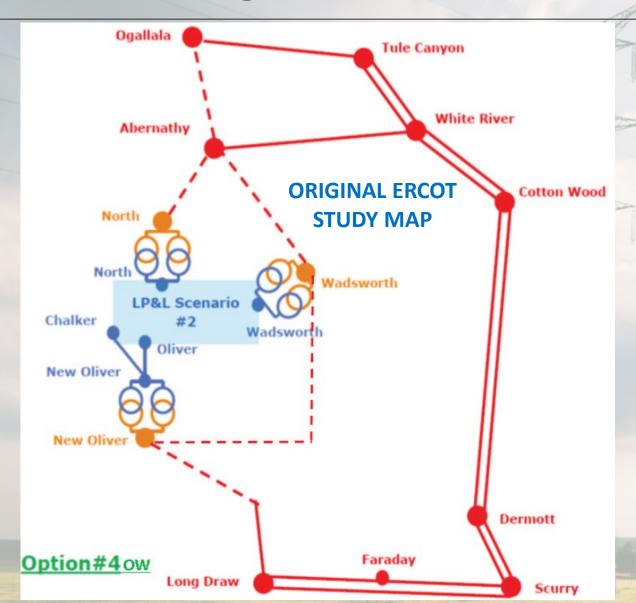
ON TRACK FOR INTEGRATION IN JUNE 2021

ERCOT Benefits – Acceptance of LP&L's membership application:

- Reinforces ERCOT reliability
 - Balances ERCOT's panhandle transmission system as Lubbock's transmission interconnections create an improved network and more highways for electricity to travel, improved ability to schedule transmission outages
 - Achieves significant system strength benefits to the ERCOT Panhandle region
 - Creates greater transmission capacity and increased generation deliverability with load addition and new 345 kV transmission lines
- Improves economies of scale throughout the ERCOT system
 - Introduces a large member to share costs
 - Makes use of LP&L's existing system to stabilize the grid
- Partners ERCOT with the largest municipality in the Texas panhandle for the long-term
 - Allows the entrance of the 11th largest city in Texas as an active participant in ERCOT
 - Boosts additional consumption of electricity in a constrained region

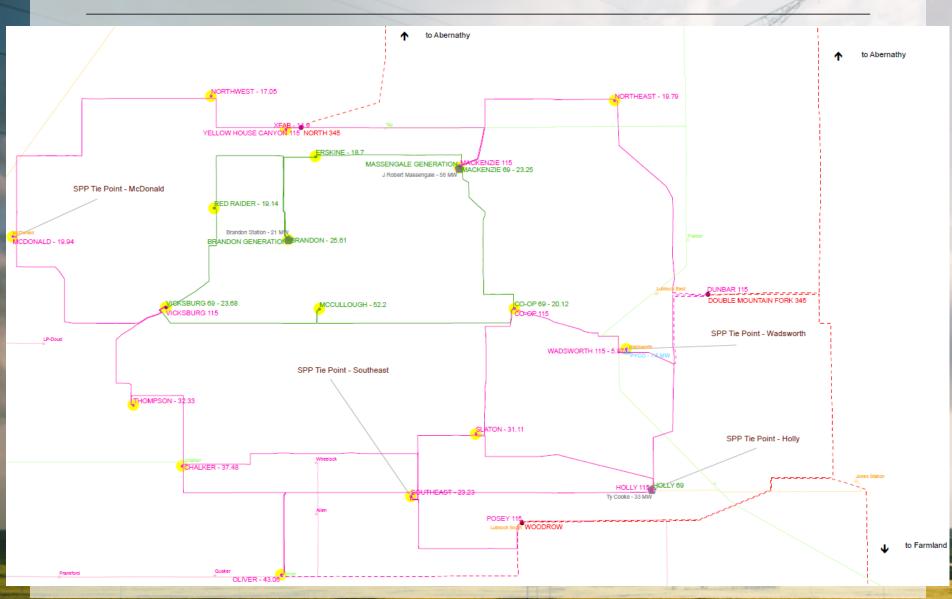


ERCOT Integration: Transmission





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LP&L ERCOT Integration: Status

- Total LPL peak load forecast 640 MW
- SPS will provide partial requirements service for 170 MW
 - This portion of load will remain in SPP
- Peak load proposed to interconnect with ERCOT 480 MW+
 - Will connect initially as a NOIE
 - Transition to retail competition
 - Upon governing body approval
 - West Load Zone, North Weather Zone
 - No block load transfer capability planned
- LPL generation coming to ERCOT 112 MW summer capability
 - Brandon 21 MW, Distributed Generation Resource
 - Massengale 38 MW (McKenzie 115 kV POI)
 - Massengale 20 MW (McKenzie 69 kV POI)
 - Ty Cooke 16 MW (Holly POI)
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- LPL upgrade of existing system to 115 kV well underway
- Models currently in Planning Cases and being continuously updated
- Work on Operations Model starting by March 2020



LP&L ERCOT Integration: Status

- Held several meetings with ERCOT
- Held several meeting with SPP & TRE
- Compliance activities underway
- Generation Resource Integration underway
 - RARFs Submitted
 - SSO/SSR Data Gathering underway
- Steady State Reliability Study of LPL After Transition to ERCOT
 - 2021 Summer Peak Case
 - LPL Load at 489 MW
 - Three levels of LPL Generation (0%, one unit, and 100%)
 - Ran all NERC/ERCOT Contingencies within and 3 levels outside LPL
 - No issues or concerns identified except for P6 Contingencies
- Preliminary Transition Plan completed (Timeline next slide)
- Final ERCOT Transition Plan underway
 - Dependent on reliability analysis of switching plan
- Power System Analysis of Switching Plan underway



LP&L ERCOT Integration Timeline

- Nov 2019
 - TSP: Develop EPS Meter Design Proposals
- Jan 2020
 - QSE: Designate QSE for LSE and RE
- Feb 2020
 - RE: Recommended date to complete RARFs for LP&L generation
- Apr 2020
 - TO: Test Telemetry and Voice with ERCOT
- May 2020
 - TSP: Certify EPS Meter Inspector
- Jun 2020
 - TSP/DSP: Prepare 4-Coincident Peak (4CP) Data with ERCOT (ongoing from this date)
 - DSP: Provide 4CP Data to ERCOT
- Aug 2020
 - ERCOT's preferred date for adding LP&L's system into NOM
 - TSP: Develop Network Operations Model with ERCOT
 - DSP: Provide 3 years of total Historical Load Data to ERCOT for forecasting
- Sep 2020
 - TSP: Execute a WAN Agreement, install WAN (if applicable), and test WAN in order to become a TO
 - TSP: Maintain Network Operations Model with ERCOT (ongoing from this date)
- Nov 2020
 - RE: Deadline to establish data links with LP&L's designated QSE
- Feb 2021
 - TO: Finalize Transmission Operator Switching Sequence Plan for Integration
- Apr 2021
 - RE: Deadline to provide Emergency Operations Plans and Weatherization Plans for LP&L's generators to ERCOT
 - NOIE: Deadline to provide Unregistered Distributed Generation Reporting data to ERCOT
 - NOIE: Deadline to provide NOIE Identification and Meter Point Registration information to ERCOT
 - TSP: Prepare Backup and Load Shedding Plans with ERCOT
 - TO: Log Outages with ERCOT
 - TO: Deadline to train and Certify LP&L's Transmission Operators
 - DSP: Complete Annual Load Data Request (ALDR) and Network Modeling
 - DSP: Develop Load Shedding Plans with ERCOT
- Jun 2021
 - TO: Coordinate outages with ERCOT (ongoing from this date)



LP&L ERCOT Integration

QUESTIONS & DISCUSSION

Thank You for your time and attention.