



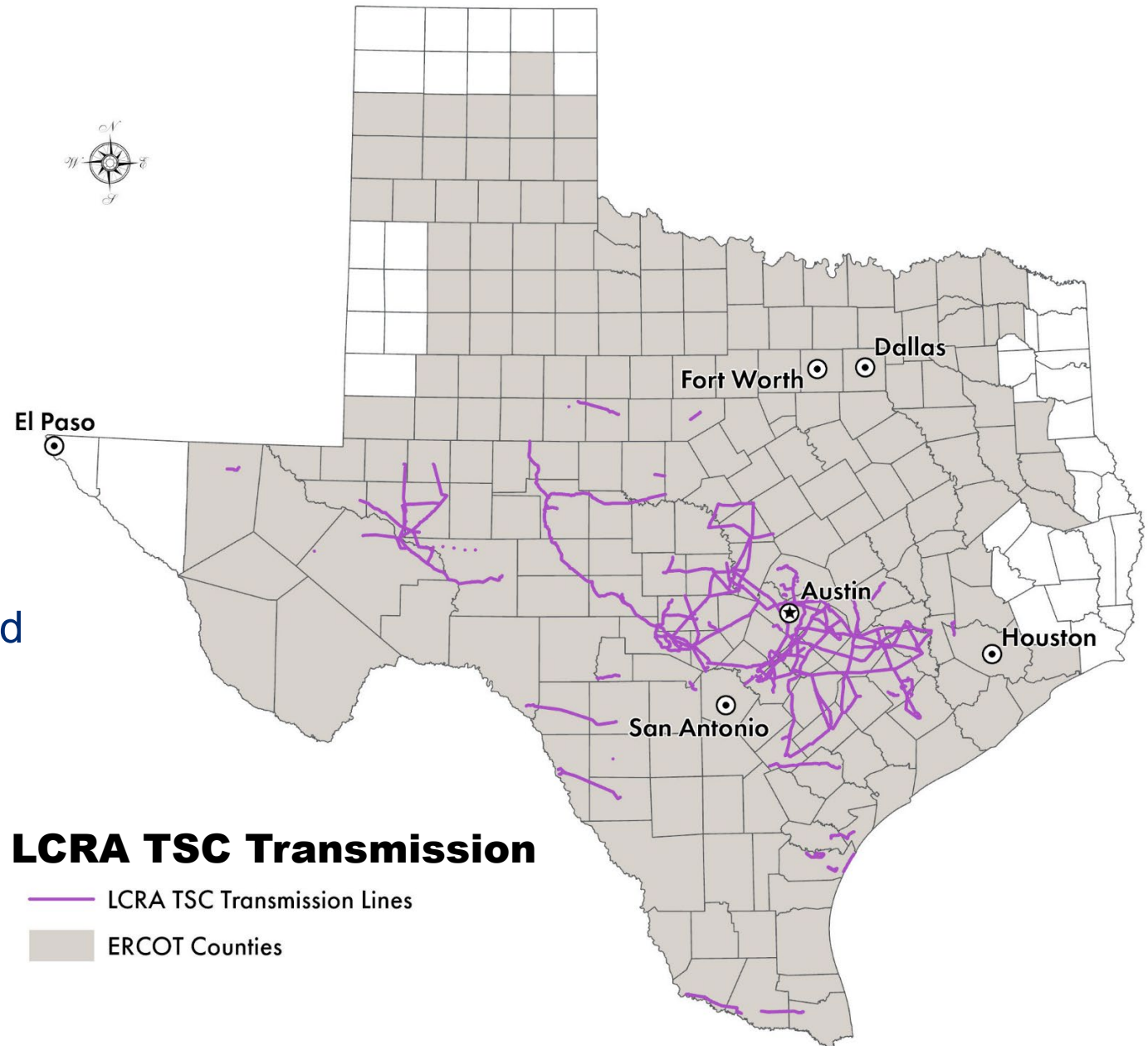
Comprehensive Transmission Planning

ERCOT Board Meeting
September 14-15, 2026



LCRA TSC

- Created by LCRA in 2002 in response to unbundling and to provide safe, reliable service and open access to the grid
- Registered with NERC as a Transmission Planner, Transmission Owner, and a Transmission Operator
- About 5,100 miles of 69-kV, 138-kV, and 345-kV transmission lines owned/operated
- Assets installed at over 460 substations
- Facilities in more than 70 counties
- Interconnects about 18.2 GW of generation



With CTP, do the following:



- Develop tools that streamline Large Load intake and Batch study processes
- Find alignment between ERCOT and TDSP workstreams
- Ensure credible and supported foundation for base case study assumptions
- Codify repeatable and effective processes that provide certainty
- Highlight and communicate benefits of transmission projects



Don't do the following:

- Go it alone
- Rush the development of the new framework
- Overcomplicate the case building process
- Eliminate a pathway for projects to independently be submitted to RPG by TSPs

What success looks like:



- An actionable plan for all ERCOT stakeholders
- Credible and stakeholder-reviewed load forecast
- TSP-engaged, vetted, and viable transmission project solutions
- Efficient and effective support of Texans' needs





ERCOT Board

Stakeholder Engagement

Investor-Owned Utility Segment

Ed De Varona

**Senior Vice President Electric
Business**

September 14-15, 2026



CenterPoint Energy Houston Electric Service Territory



Greater Houston area currently has the **4th largest population in the U.S.**



Texas Medical Center is the **world's largest medical center**



The Port of Houston is one of the **busiest container ports in the U.S.**



Serves both **George Bush Intercontinental Airport** and **William P. Hobby Airport**



Houston accounts for **~1/3 of the nation's base petrochemical manufacturing** capacity

2.9M

Metered
customers

~25%

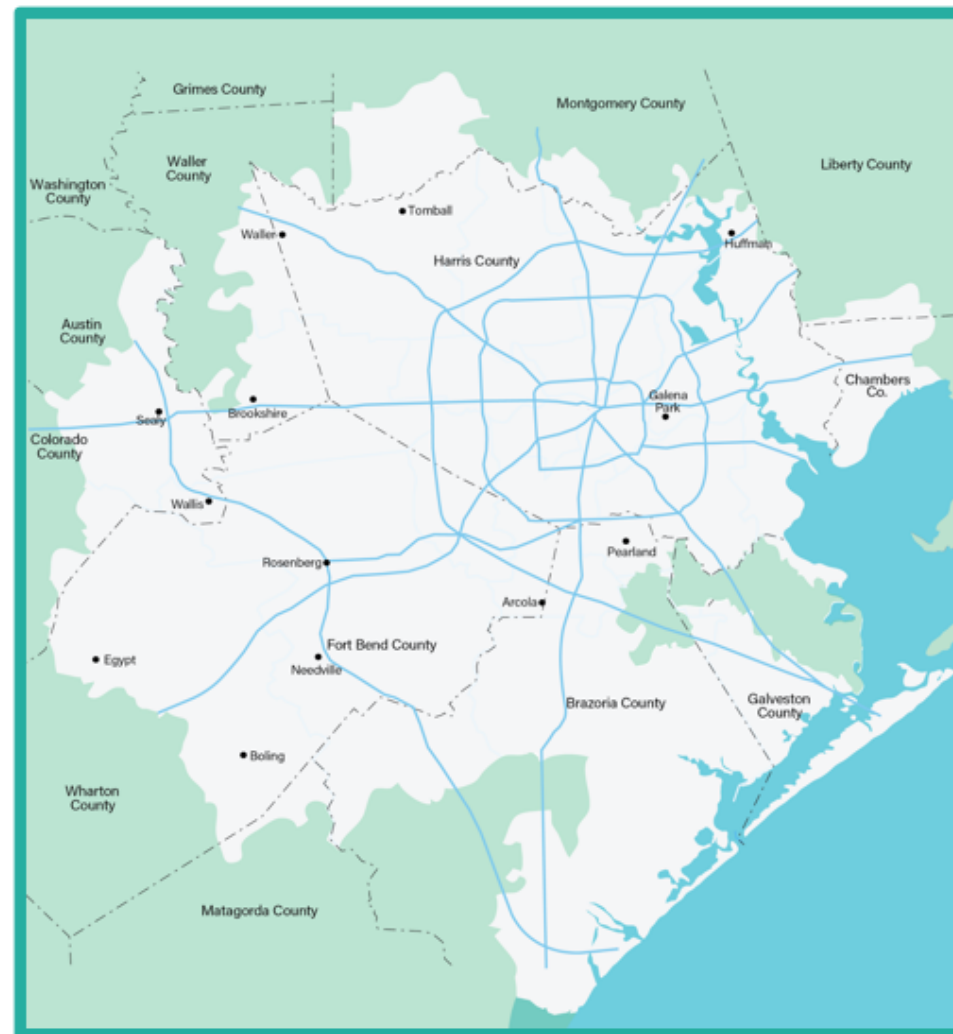
of ERCOT
peak load

4,000

Miles of
transmission

~60,000

Miles of
distribution



Current ERCOT Planning vs. Batch and Comprehensive Transmission Planning (CTP) processes

- Goals of Updated ERCOT Batch Process & Comprehensive Transmission Planning:
 - Process improvements should maintain system reliability, but better meet the speed of business, and result in actionable projects
 - Improve efficiency and reduce duplicative work that slows transmission development
 - TSPs need the ability to move forward with intraregional/local reliability and resiliency projects
 - Align model building and load forecasting
 - Balance number of cases built with need for off peak cases
 - Establish separate Large Load and Medium Load processes with clear paths & set milestones for customers to interconnect

- Comprehensive annual CTP for entire system review only
- TSPs led geographic span/system impact vs. ERCOT led (revise Tier 3 and 4 definitions)
- TSPs should be allowed to continue to build Tier 4 projects without stakeholder review
- Maintain limited stakeholder transparency through a Tier 3-like process for intraregional/local projects
- Higher level of collaboration needed between ERCOT and TSPs
- CTP stakeholder comment period **during** vs. after

Most important changes needed:

- One single set of models for ERCOT/TSP analysis
- Sync up SSWG, DWG, SPWG case building
- Improve power flow models: node breaker adoption, improve generation dispatch, short circuit models
- Establish clear handoffs between ILLEs, TSPs, and ERCOT
- TSP collaboration is essential to interconnection and upgrade development
- Develop integrated resource planning paths for local reliability, growth and TSP economic development needs
- Study off peak scenarios
- Establish an ERCOT single point of contact for each TSP

Q&A