



2025 RTP – 765-kV Update

November 2025 RPG

ERCOT

Regional Transmission Planning

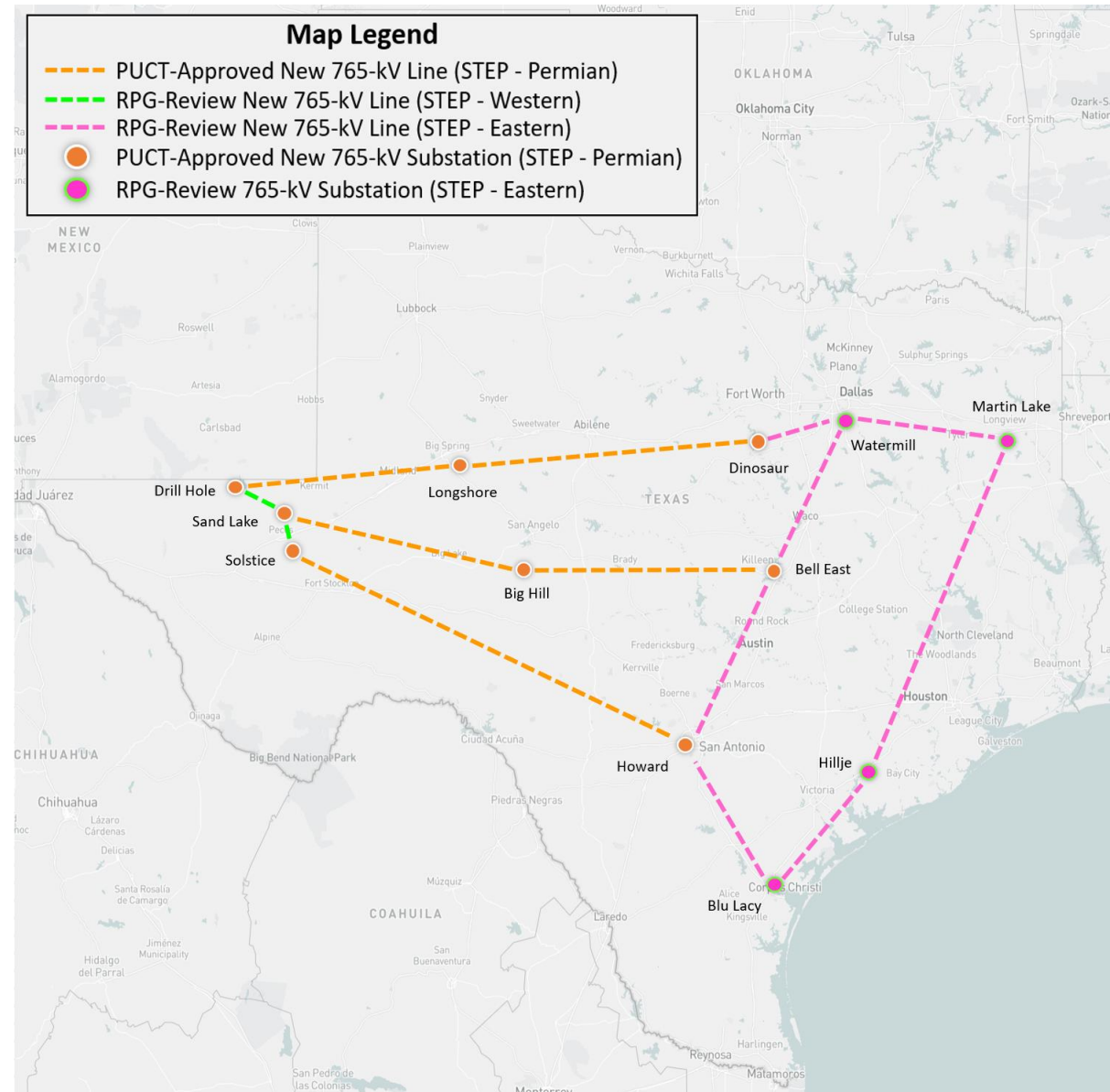
November 11, 2025

2025 RTP – Timeline

- April 8 – [ERCOT Adjusted Load Forecast](#) presented at the Board of Directors meeting.
- May 1 – ERCOT filed [Update on ERCOT’s Adjusted Load Forecast and Request for Good Cause Exception for 2025 Regional Transmission Plan](#) under PUCT Project No. 55999.
- June 4 – ERCOT filed [Revisions to Adjusted Load Forecasts](#) under PUCT Project No. 55999.
- June 5 – The PUC granted ERCOT Good Cause Exception authorizing the use of the [ERCOT Transmission Planning Adjusted Load Forecast](#).
- June 27 – Received final load substantiations from Load Serving Entities.
- August 5 – ERCOT posted 2025 RTP start cases.
- December – ERCOT will post 2025 RTP final cases, project lists, and report.

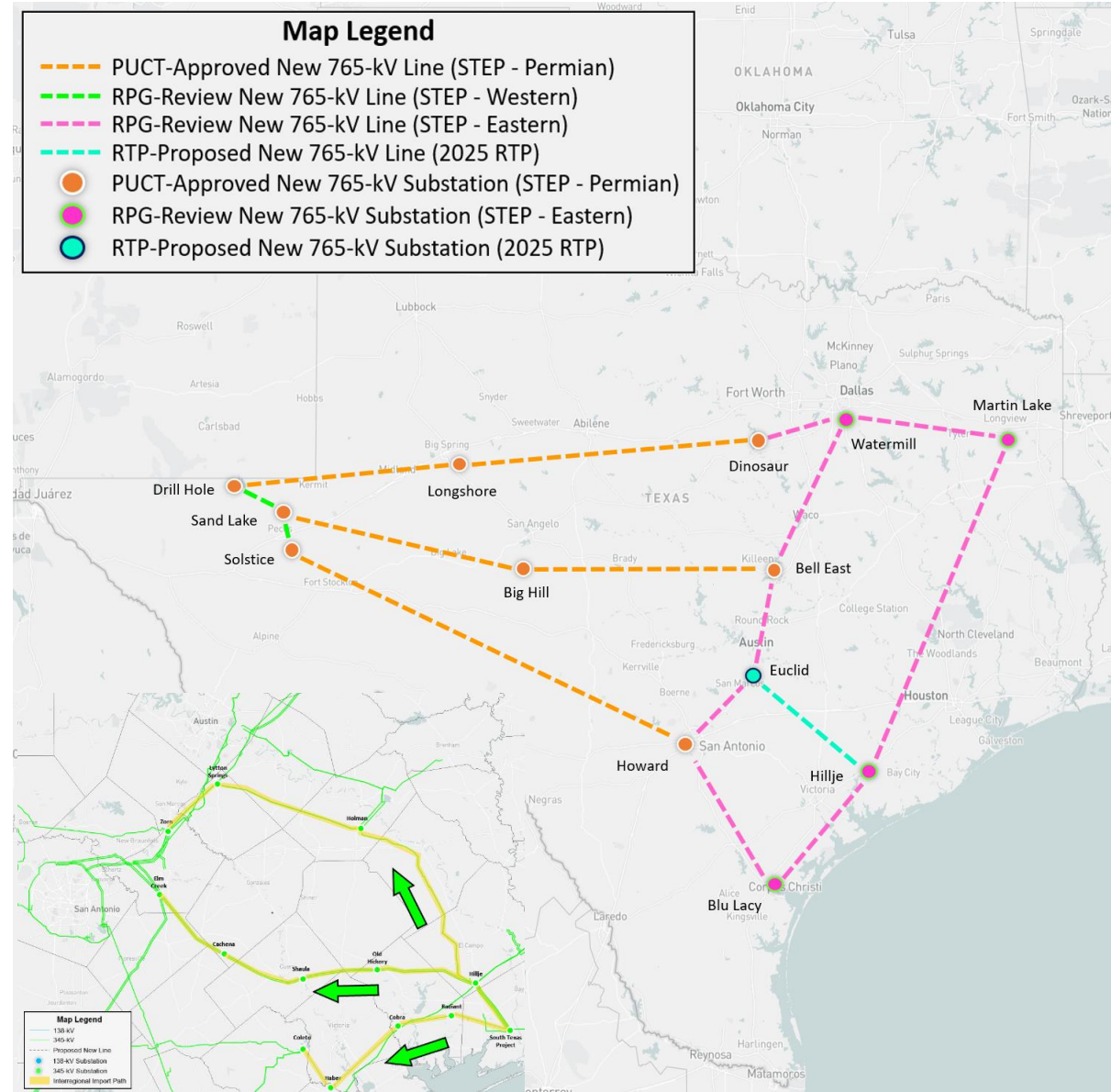
Texas 765-kV Strategic Transmission Expansion Plan (STEP)

- Jan 27: Published [2024 Regional Transmission Plan \(RTP\) 345-kV Plan and Texas 765-kV Strategic Transmission Expansion Plan Comparison](#) which captured the results of the previous year's detailed analysis.
- April 24: Public Utility Commission of Texas approved 765-kV Permian Basin import paths.
- July 7 & 17: Texas 765-kV STEP Western Loop and Eastern Backbone Projects submitted to RPG, respectively.
- November 11: Final recommendation at RPG.
- December 8: Presentation to Board of Directors.
- 765-kV STEP, as proposed in the 2024 RTP, and submitted to RPG, was included in the 2025 RTP 2030 and 2031 starting base cases to address base case violations.
- The 2025 RTP saw continued benefit of STEP in addressing additional new load growth and did not see a need to remove any elements of the plan.



2025 RTP – Additional 765-kV Analysis

- The 2025 RTP evaluated potential additional 765-kV equipment to address additional new load growth.
- Additional 765-kV equipment was added to address a growing import need in central Texas.
- The 2023 and 2024 RTPs identified strained import capability into the central Texas region. Additional regional load growth incorporated into the 2025 RTP strained import capability further.
- The Euclid substation plus ~130-mile Euclid – Hillje 765-kV line brings approximately 2,500 additional MW into central Texas, reduces the need for some previously-identified 345-kV upgrades, and provides Operational outage flexibility for remaining 345-kV upgrades needed.



Questions/Comments

- Please send to:
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