



Lower Rio Grande Valley (LRGV) System Enhancement Project – Status Update

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ERCOT System Planning

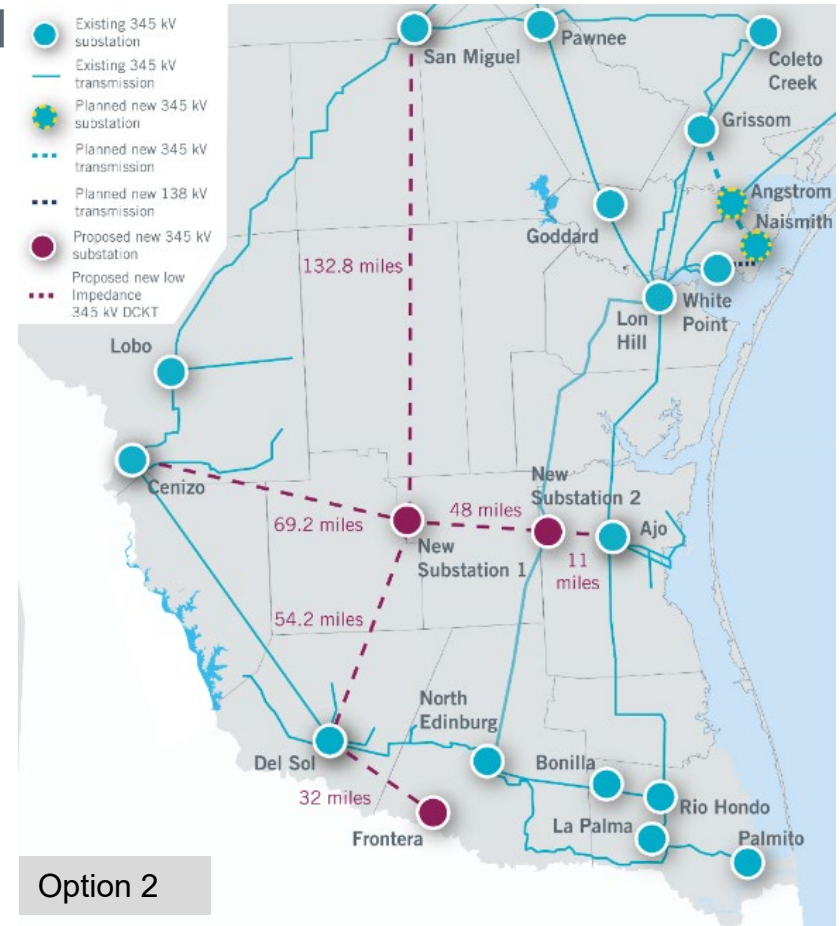
Regional Planning Group Meeting
October 15, 2021

Status Update

- ERCOT presented the LRGV System Enhancement project at the September RPG meeting.
- Option 2 is the recommended improvement option.
- The deadline of RPG comment period was October 6. ERCOT received 16 comments and addressed all the comments.

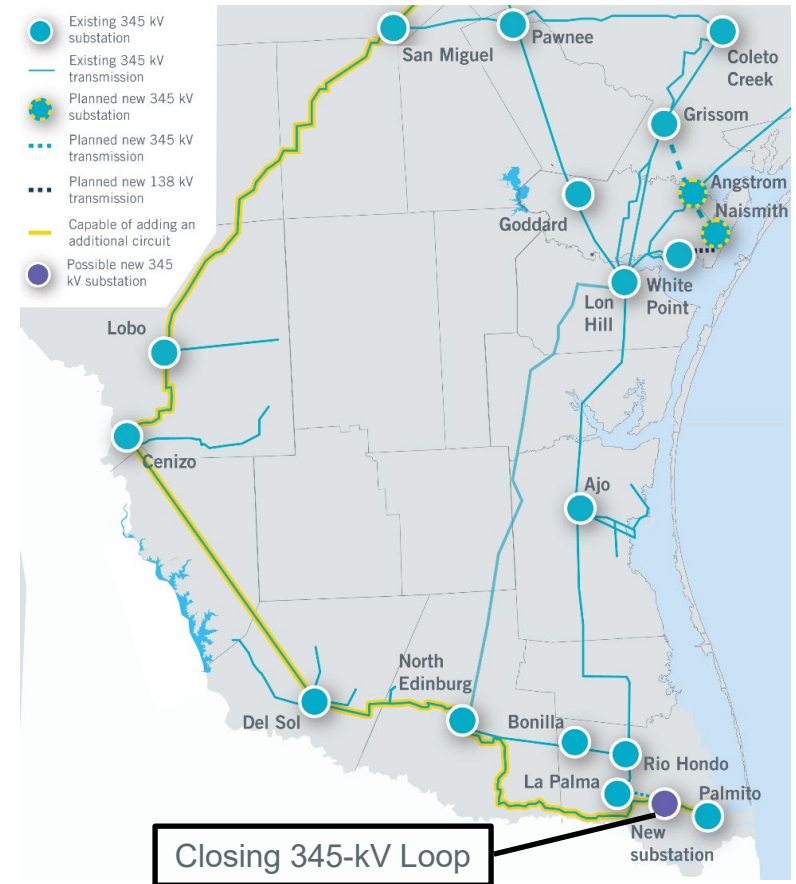
Recommended LRGV Improvement: Option 2

- ERCOT recommends Option 2 based on the following considerations:
 - Improve load serving capability in LRGV
 - Improve system resilience, including extreme weather and generation/transmission outages
 - Improve stability constraints in LRGV
 - Provide reliable long-term infrastructure in LRGV for future load and generation development
 - Minimize the construction impact to the existing system
 - Estimated cost: ~\$1.28 Billion
 - Estimated new right of way: 351 miles
 - Anticipated implementation: by 2027



Additional System Improvements

- At the September 23, 2021 PUCT Open Meeting, the Commission
 - Ordered the construction of a new second circuit on the double-circuit capable 345-kV transmission line that runs from San Miguel to Palmito and new transmission facilities to close the loop from Palmito to North Edinburg.
 - Requested that the Option 2 be endorsed by the end of 2021 following the RPG process and for ERCOT to deem it critical for reliability.



Next Steps

- ERCOT designates the recommended project “critical” to the reliability of the system per PUCT Substantive Rule 25.101(b)(3)(D).
- ERCOT plans to complete the report in October 2021, and seeks for TAC review and BOD endorsement by the end of 2021.