



**Combined Oncor Set 1 North Central &
South Central Texas Reliability Project &
Oncor Set 2 North Central & South Central
Texas Reliability Project – ERCOT
Independent Review (EIR) Scope**

Tanzila Ahmed

RPG Meeting
February 2, 2026

Introduction

- Oncor submitted the Set 1 North Central and South Central Texas Reliability Project for Regional Planning Group (RPG) review in November 2025
 - This Tier 1 project is estimated to cost \$943.92 million and will require a Certificate of Convenience and Necessity (CCN) filing
 - Estimated in-service dates planned in phases between 2028 and 2034
 - Addresses the thermal overloads and voltage violations in the Bell, Falls, Henderson, Hill, Limestone, McLennan, Milam, and Navarro Counties in the North Central, South Central, and East weather zones
 - This project was identified and included in the both 2024 and 2025 Regional Transmission Plan (RTP)
 - This project aligns with the transmission upgrades proposed in the 2024 RTP 765-kV Strategic Transmission Expansion Plan (STEP) Core Plan

Introduction (cont.)

- Oncor submitted the Set 2 North Central and South Central Texas Reliability Project for RPG review in November 2025
 - This Tier 1 project is estimated to cost \$440.79 million and will require a Certificate of Convenience and Necessity (CCN) filing
 - Estimated in-service dates planned in phases between 2028 and 2034
 - Addresses the thermal overloads and voltage violations in the Hill, McLennan, Navarro, and Smith Counties in the North Central and East weather zones
 - This project was identified and included in the 2024 RTP
 - This project aligns with the transmission upgrades proposed in the 2024 RTP 765-kV STEP Core Plan
- Oncor presented a project overview at the January 2026 RPG Meeting
 - <https://www.ercot.com/calendar/01162026-RPG-Meeting>

Highlights of the Set 1 North Central and South Central Project

Oncor Project Description	RTP Project Number	Counties
<p>Construct a new Tower 345-kV Switch (SW); Terminate the existing Salado SW to Knob Creek SW 345-kV Line into the new Tower 345-kV SW; Construct a new Tower SW to Knob Creek 345-kV Line on separate structures, ~ 1.2-mile; Rebuild the Salado SW to Tower SW 345-kV Line, ~12.4-mile;</p>	2024-NC12	Bell
<p>Rebuild the existing Temple Pecan Creek SW to Bellfalls/STR26/4C 345-kV single-circuit Line, ~2.6-mile; Rebuild the existing Possum Trot SW to Bellfalls/STR26/4C 345-kV single-circuit Line, ~26.1-mile; Rebuild the existing Temple SW to Temple Pecan Creek SW 345-kV double-circuit Line, ~4.5-mile;</p>	2024-NC32	Bell, Falls, McLennan
<p>Rebuild the existing Sam SW to Four Brothers SW 345-kV Line, ~2.3-mile;</p>	2024-NC69	Hill, McLennan
<p>Rebuild the existing Possum Trot SW to St John SW to Bale SW to Stranger SW 345-kV Line Section, ~18.4-mile;</p>	2024-NC23	McLennan, Falls, Limestone
<p>Rebuild the existing Revolution SW to Hubbard 138-kV Line Section, ~27.3-mile;</p>	2024-NC27	Hill, Navarro
<p>Rebuild the existing Mankin SW to Seven Points 138-kV Line Section, ~11.2-mile;</p>	2024-NC44	Henderson
<p>Rebuild the existing Trinidad SW to Mankin SW 138-kV Line Section, ~4.1-mile;</p>	2024-NC34	Henderson
<p>Rebuild the existing Bell County East SW to Gibson SW 345-kV Line Section, ~23.4-mile;</p>	2024-NC60, 2024-NC91	Bell, Milam
<p>Rebuild the existing Bell County East SW to Voss Lake SW 345-kV Line Section, ~29.6-mile; Rebuild the existing Minerva SW to Cannon 138-kV Line Section, ~9.9-mile;</p>	2024-SC28 2024-SC8	Bell, Milam Milam

Projects highlighted in yellow are currently being evaluated in the ongoing EIR for the Oncor and LCRA TSC Muscovy and Voss Lake 345/138-kV Project (25RPG009)

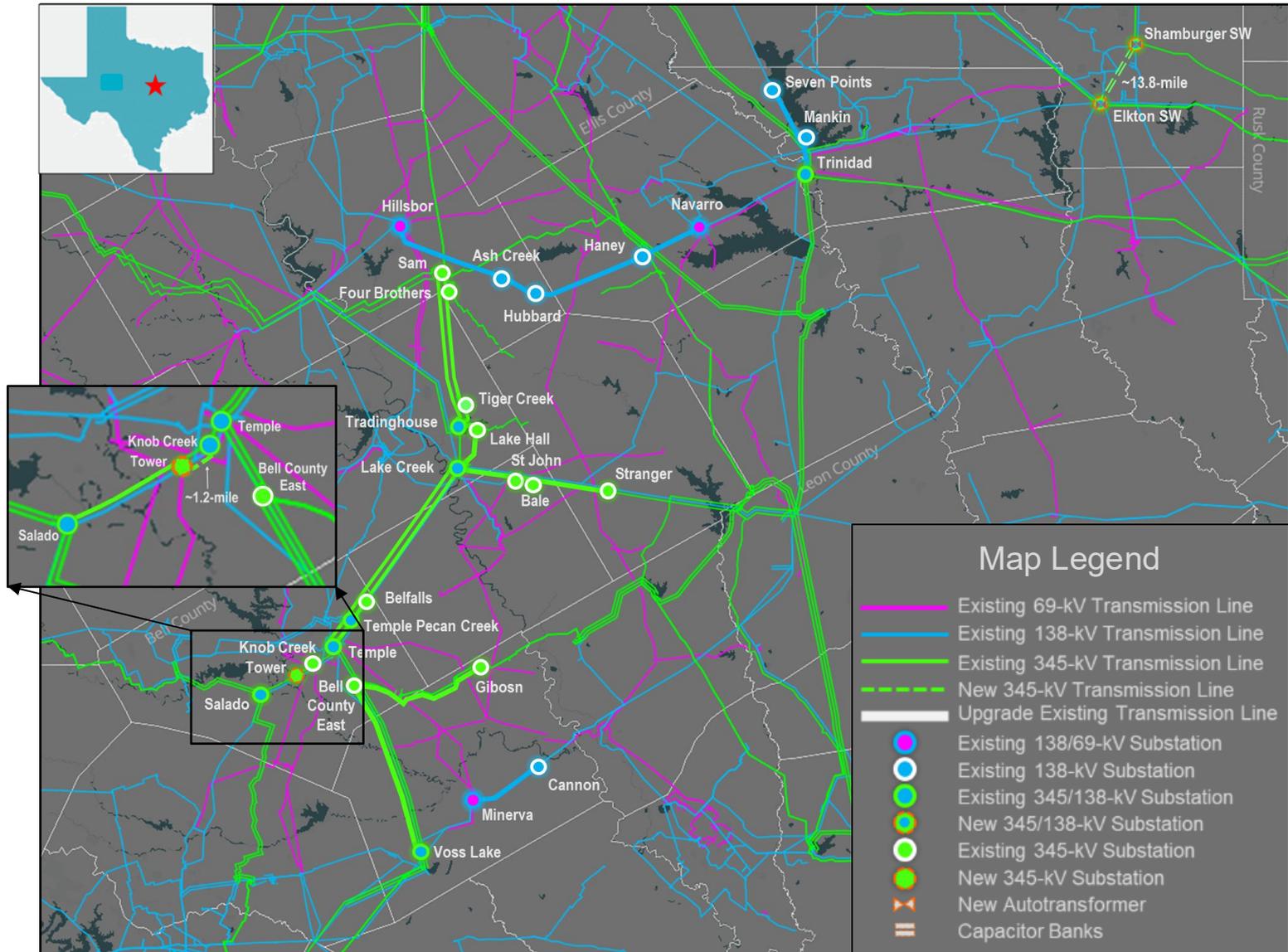
Highlights of the Set 2 North Central and South Central Project

Oncor Project Description	RTP Project Number	Counties
Rebuild the Tradinghouse Switch to Four Brothers Switch 345-kV Line, ~20.6-mile; Rebuild the Tiger Creek Switch to Sam Switch (Lone Star) 345-kV Line, ~21.2-mile; and Rebuild the Possum Trot Switch to Lake Hall Switch to Tradinghouse Switch 345-kV Line, ~9.6-mile.	2024-NC32	Hill, McLennan
Rebuild the Hillsboro Switch to Ash Creek Switch 138-kV line, ~19.30-mile	2024-NC04	Hill
Rebuild the Ash Creek Switch to Hubbard 138-kV line, ~5.1-mile	2024-NC27	Hill, Navarro
Rebuild the existing Elkton 345/138-kV Switch; Install one new 345/138-kV autotransformer at Elkton Switch; Construct a new 345-kV double-circuit line from Elkton Switch to Shamburger Switch, ~13.8-mile; Rebuild the existing Shamburger 345/138 kV Switch; and Install one new 345/138-kV autotransformer at Shamburger	2024-E2	Smith

Summary of the Two Projects Proposed by Oncor

- New 345-kV and 138-kV lines
 - 345-kV single-circuit line, approximately 1.2 circuit-miles
 - 138-kV double-circuit lines, approximately 13.8 circuit-miles
- Upgrade of existing 345-kV and 138-kV lines
 - 345-kV double-circuit lines, approximately 86.2 circuit-miles
 - 345-kV single-circuit lines, approximately 84.5 circuit-miles
 - 138-kV single-circuit lines, approximately 76.9 circuit-miles
- One new 345-kV substation
- Rebuild of existing substations and transformers
 - Two 345/138-kV substations and add one 345/138-kV transformer at each
- Total cost is about \$1.385 billion

Map of the Two Projects Proposed by Oncor



Study Evaluations

- ERCOT will evaluate the overlapping upgrades (highlighted on slide 4) as part of the ongoing EIR for the Oncor and LCRA TSC Muscovy and Voss Lake 345/138-kV Project (25RPG009)
- ERCOT will determine the subset of upgrades that can be confirmed and approved based on the reliability need identified in both the 2024 and 2025 RTP evaluations to expedite the RPG review process
- ERCOT will conduct an independent review for the subset of upgrades that did not meet the reliability need based on the latest 2025 RTP evaluations

Deliverables

- Tentative Timelines
 - Status updates at future RPG meetings
 - Final recommendation – Q3 2026

Thank you!



Stakeholder comments also welcomed through:

Tanzila.Ahmed@ercot.com

Robert.Golen@ercot.com