

Oncor Connell 345/138 kV Switch and Connell to Rockhound 345 kV Double- Circuit Line Project

**Overview for ERCOT RPG Meeting
8/13/2024**

Oncor Electric Delivery

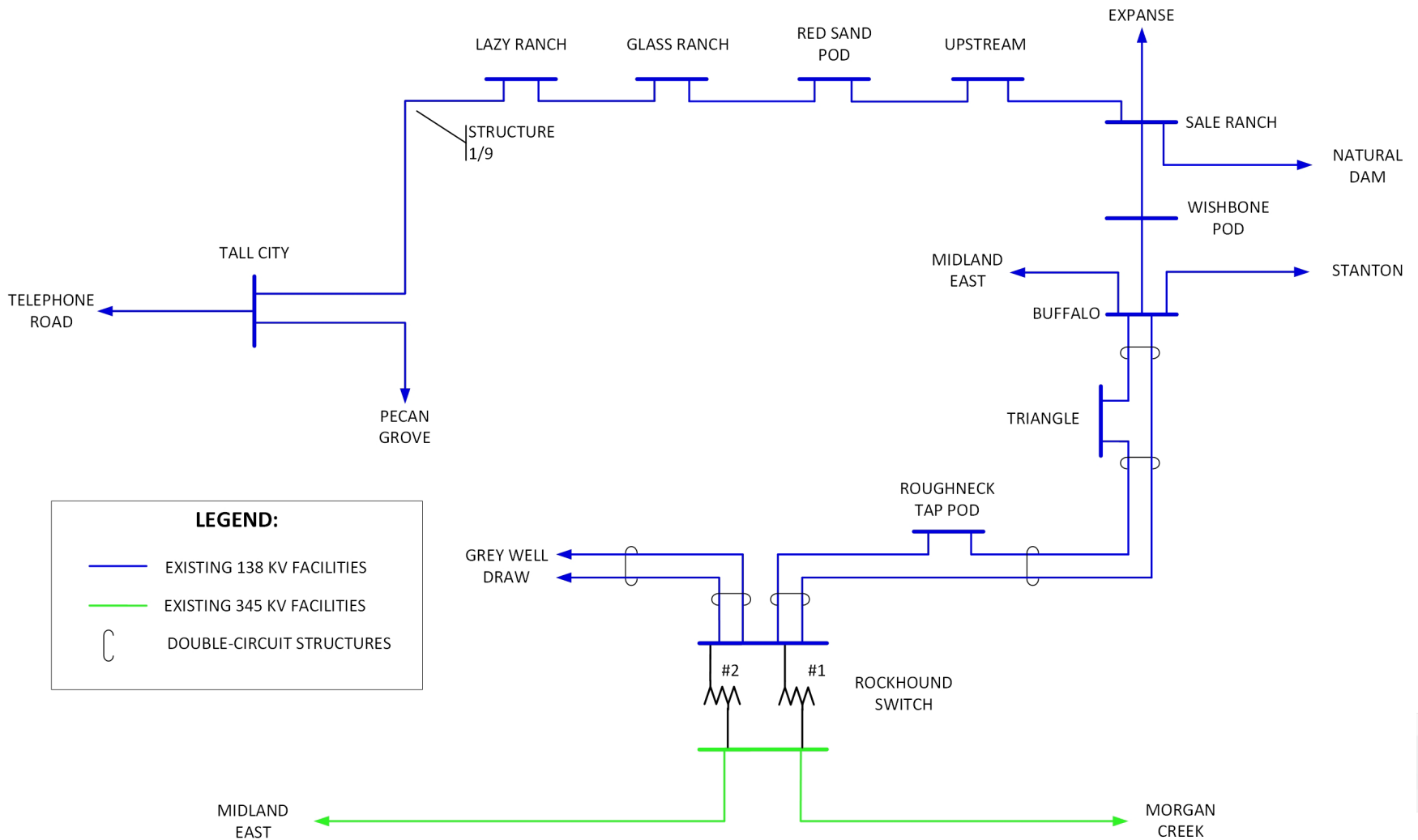
WE DELIVER.



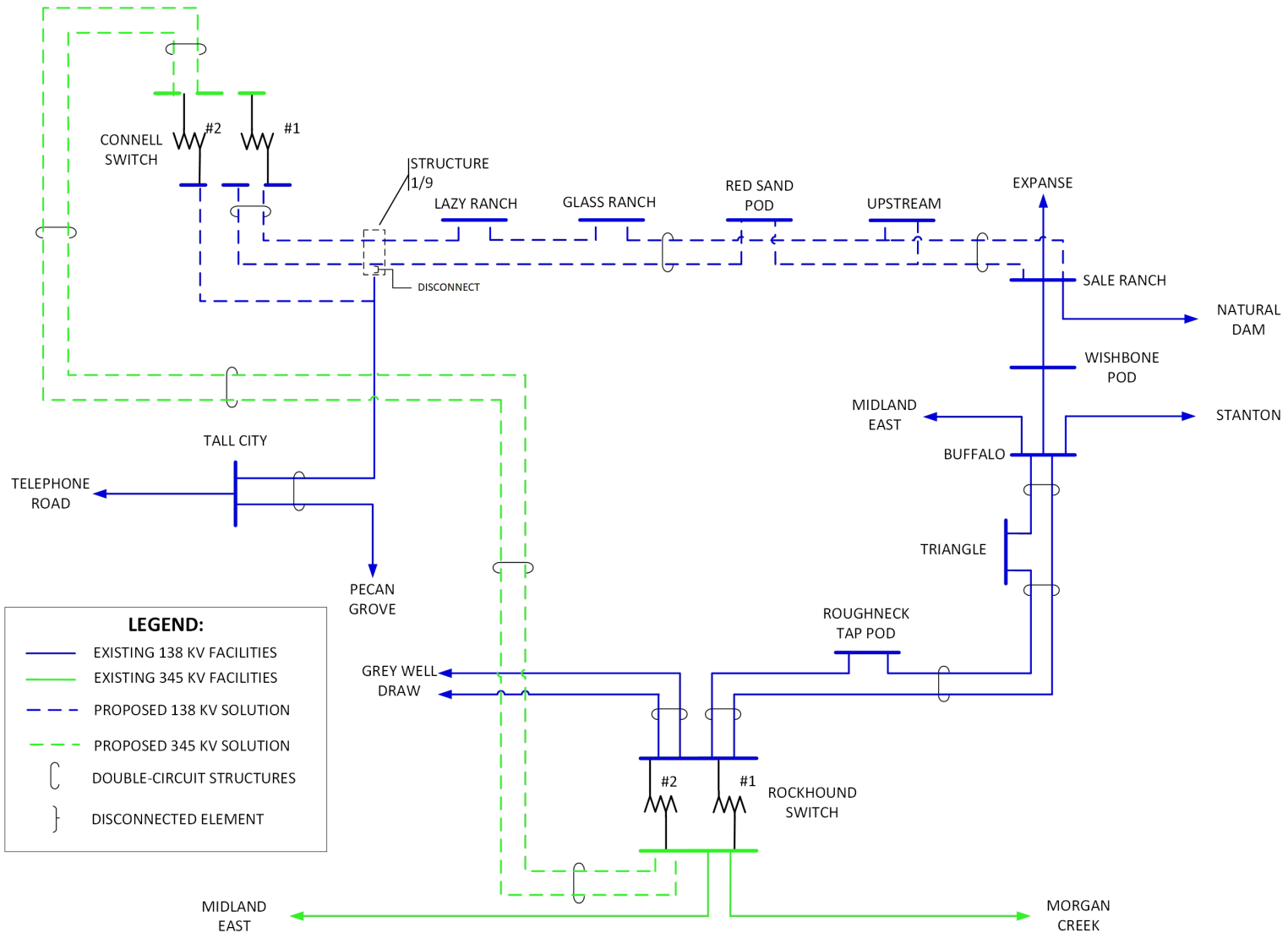
Project Overview

- Load growth in the area introduces post contingency low voltages and thermal overloads in Oncor's system
- P2.1 contingencies produce low voltages on the Sale Ranch – Tall City 138 kV Line
- P6 and ERCOT 3 contingencies overload nameplate value of both Rockhound 345/138 kV Autotransformers
- Oncor proposes the following system upgrades to meet the growing load demands within the Permian Basin:
 - 9.2 miles of 138 kV transmission line rebuilds
 - 13 miles of greenfield 345 kV DCKT transmission line (CCN required)
 - 1 new 345 kV Switching Station (Connell)
 - 2 new 600 MVA, 345/138 kV Autotransformers (Connell)
 - Total cost of Proposed RPG Project - \$110.62 million

Project Vicinity – Pre-Project



Project Vicinity – Post-Project



Progress

- Anticipating one CCN application/submittal
 - Connell – Rockhound 345 kV DCKT Line (approximately 13 miles)
- Construction expected to begin in 2025
- Anticipated to take 2 years to complete entire set of projects in the Proposed RPG Submittal
- RPG review completed 7/10/2024
 - ERCOT Independent Review to be complete by 12/7/2024

QUESTIONS

