Lubbock Power & Light

LP&L West Loop Project (25RPG037)

ERCOT RPG Meeting

1/16/2026

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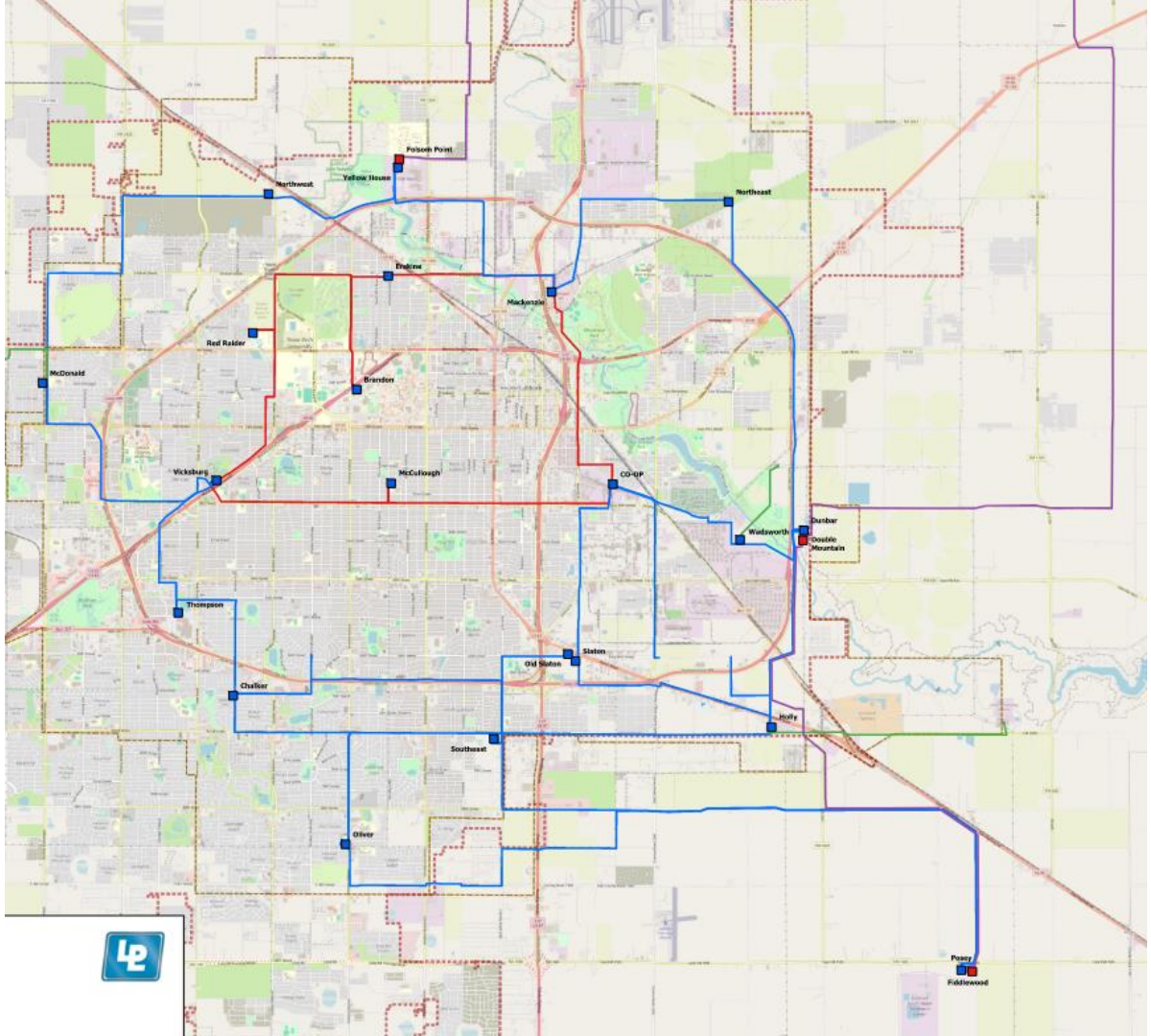
Project Overview

- Tier 1 Project in Lubbock County
- Resolves thermal, voltage, and stability violations, alleviates congestion, and improves system reliability
- New and upgraded lines and stations at 345 kV, 115 kV, and 69 kV
- Estimated Cost: $309 Million
- Estimated In-service Date: Summer 2030

Background

- 2021 – LP&L joined ERCOT with 70% of its native load (~470 MW)
- 2023 – LP&L moved remaining 30% of load to ERCOT (~170 MW)
- 2023 – LP&L decommissioned its generation fleet (~100 MW)

Background, Continued



Project Need

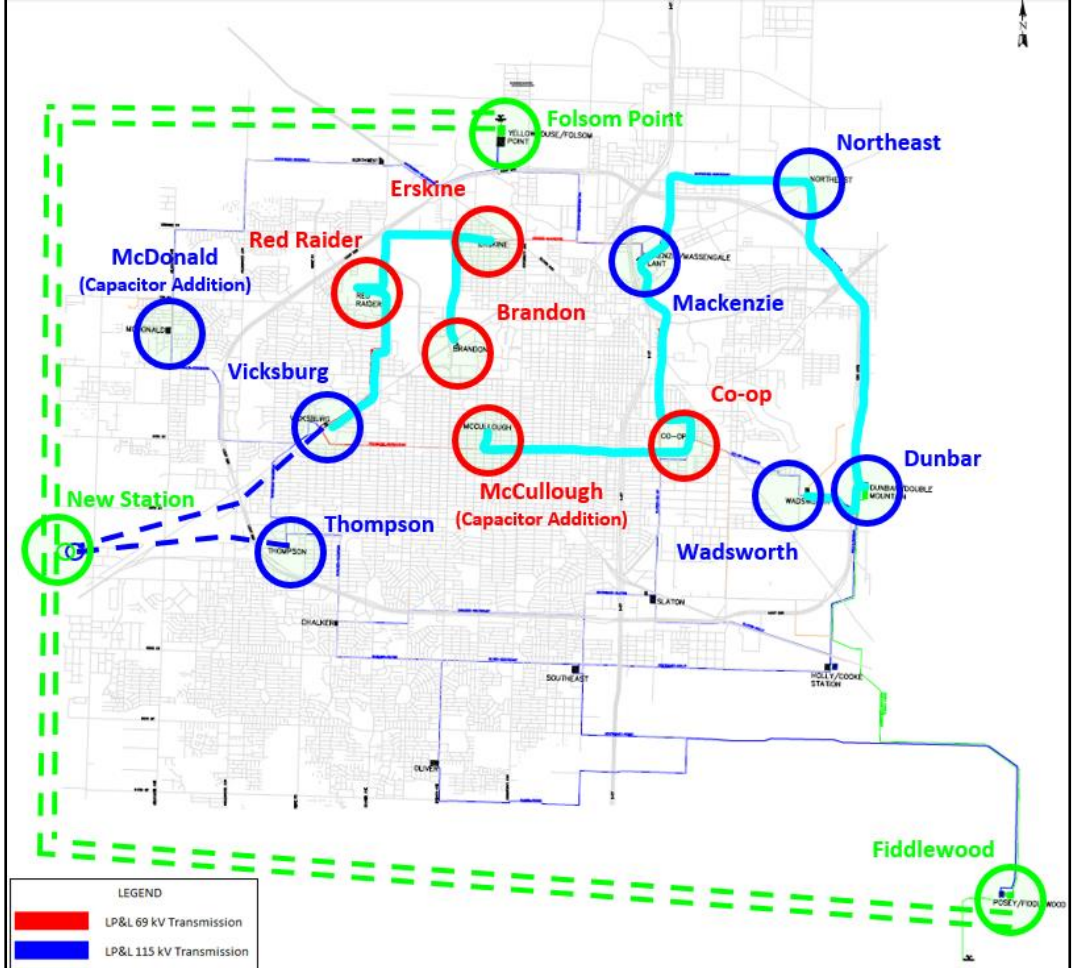
- Numerous thermal and voltage violations
- Many violations are caused by interruption of external 345 kV line flows
- This forces power to flow through LP&L's 115 kV and 69 kV systems
- Congestion and reliability issues result

Steady State Violations		
Contingency Category	Thermal Violations (2027-2030)	Voltage Violations (2027-2030)
P0	0	0
P1	2-5	0
P2	1-6	0
P3	29-63	8
P4	11-26	0
P5	2-3	33-36
P6	112-254	298-516
P1 + P7	69-164	56-188
P7/ERCOT1	1	1
ERCOT2	7-10	10
ERCOT3	10-50	20-82
ERCOT4	0	0
EE	1	33-37

Project Scope

- 32 miles of double-circuit 345 kV lines
- New 345/115 kV station
- 34 miles of 115 kV and 69 kV new and upgraded lines (both single and double-circuit)
- 1 new 40 MVAR 115 kV capacitor
- 1 new 30 MVAR 69 kV capacitor
- Install associated equipment at existing stations to support above upgrades

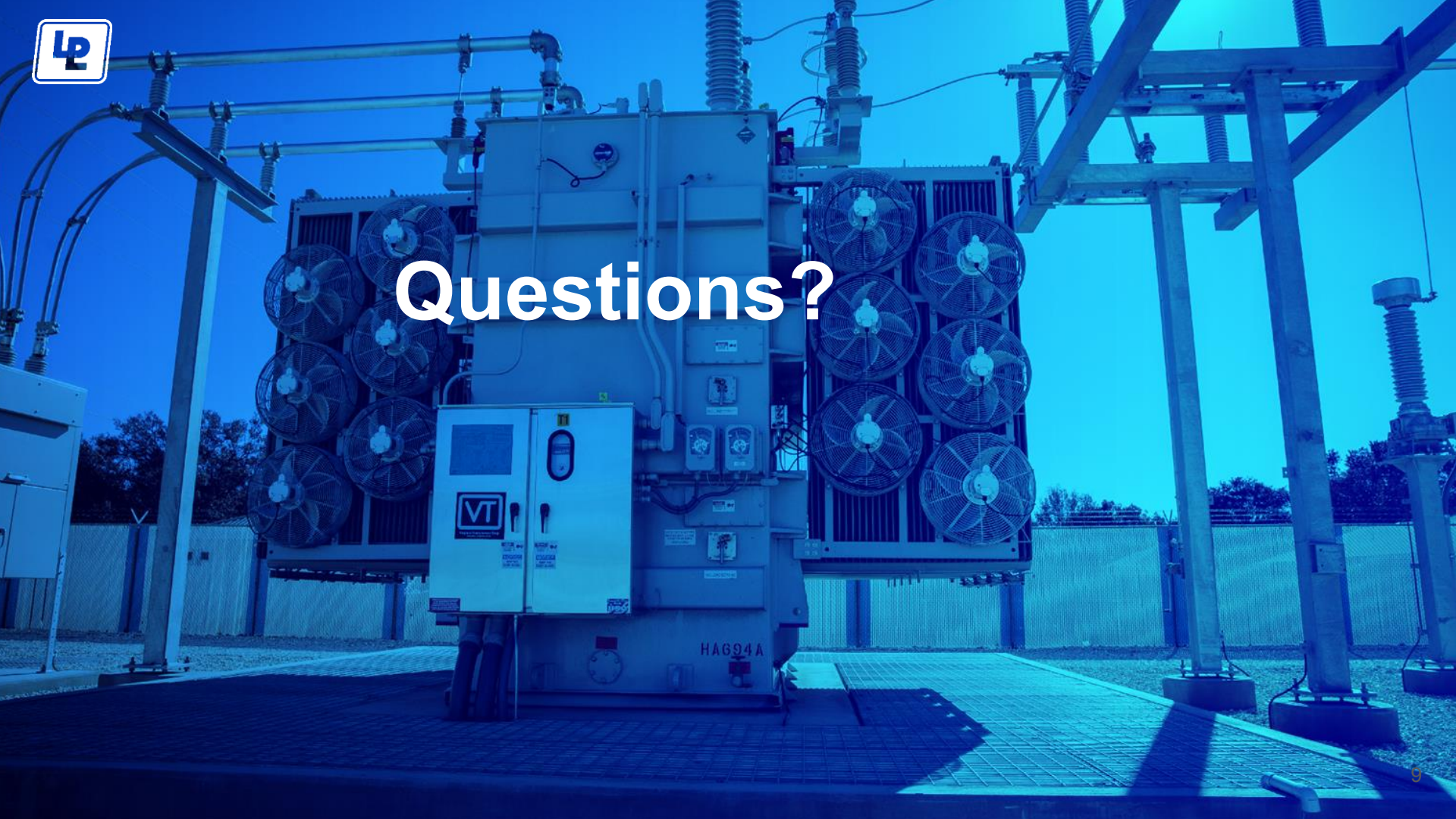
Project Scope, Continued



The proposed route is not final and is subject to substantial change.
This map is for illustration purposes only.

Summary

- LP&L is proposing this Tier 1 project with an estimated cost of $309 Million
- This project will solve hundreds of thermal and voltage violations, along with congestion and reliability issues
- It includes new and upgraded lines and stations at 345 kV, 115 kV, and 69 kV
- The Estimated In-Service Date is Summer of 2030


Questions?
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