

Oncor Delaware Basin Stages 3 and 4 Project

**ERCOT RPG Meeting
5/14/2024**

Oncor Electric Delivery

WE DELIVER.



ERCOT Delaware Basin Load Integration Study

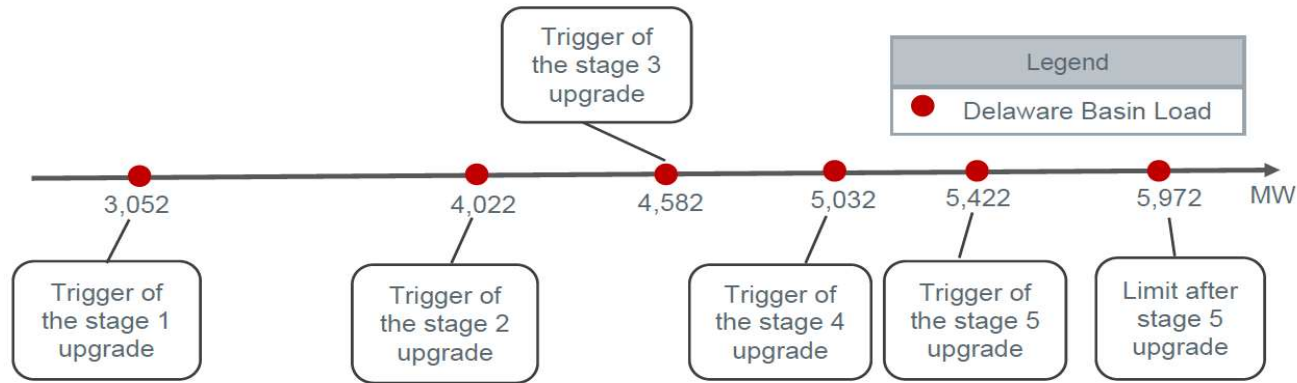


Figure 1. Delaware Basin Transmission Upgrade Roadmap

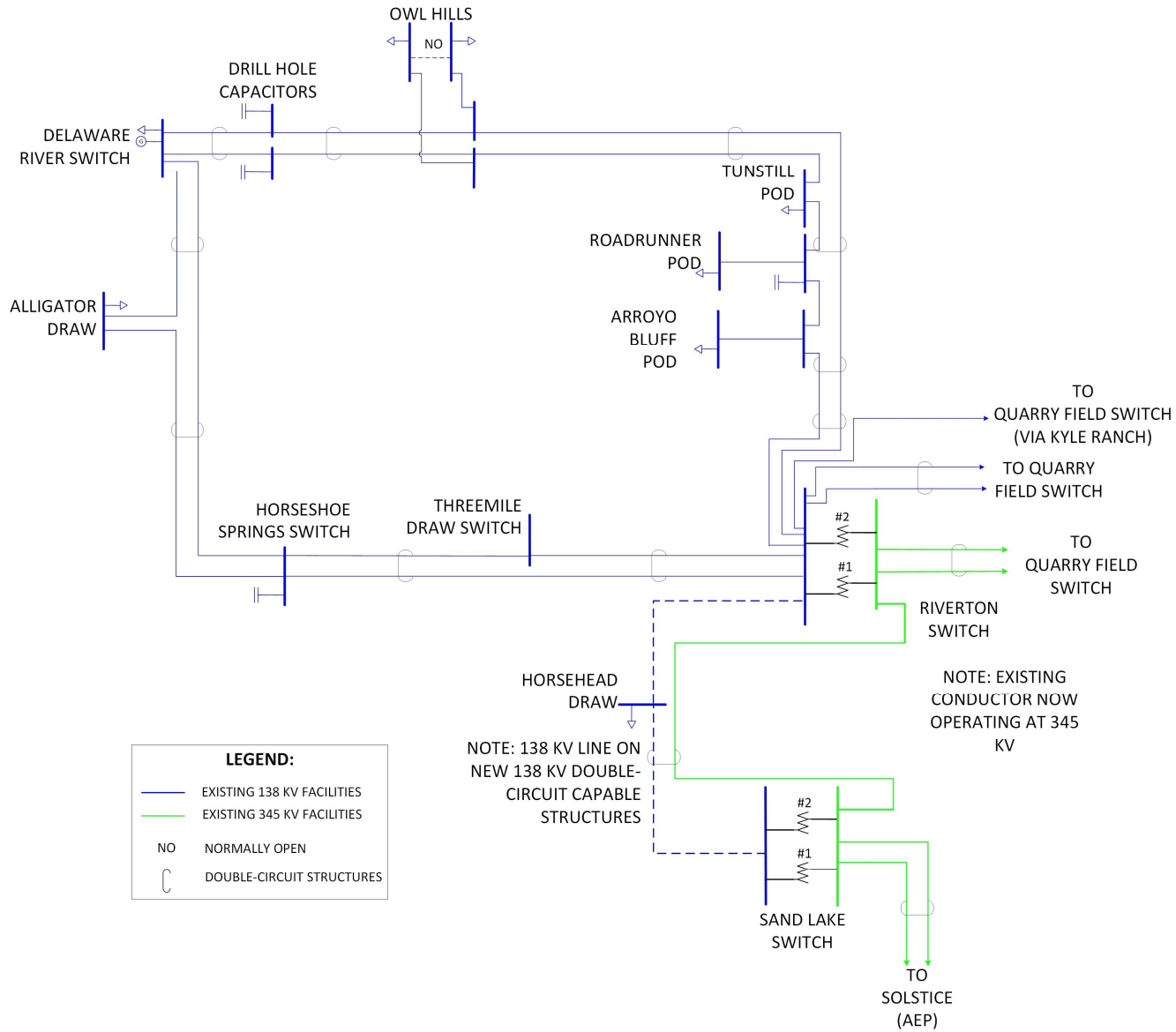
Stage	Estimated Delaware Basin Load Level (MW)	Upgrade Element	Estimated Upgrade Cost (\$M)	Trigger
1	3,052	Add a second circuit on the existing Big Hill - Bakersfield 345-kV line	69	Import Needs
2	4,022	A new Bearkat - North McCamey - Sand Lake double circuit 345-kV line	371	Import Needs
3	4,582	A new Riverton - Owl Hills single circuit 345-kV line	41	Culberson Loop Needs
4	5,032	Riverton - Sand Lake 138-kV to 345-kV conversion and a new Riverton - Sand Lake 138-kV line	56	Culberson Loop Needs
5	5,422	A new Faraday - Lamesa - Clearfork - Riverton double circuit 345-kV line	444	Import Needs

Table 1. ERCOT Delaware Basin Transmission Upgrade Roadmap – Detailed Project List

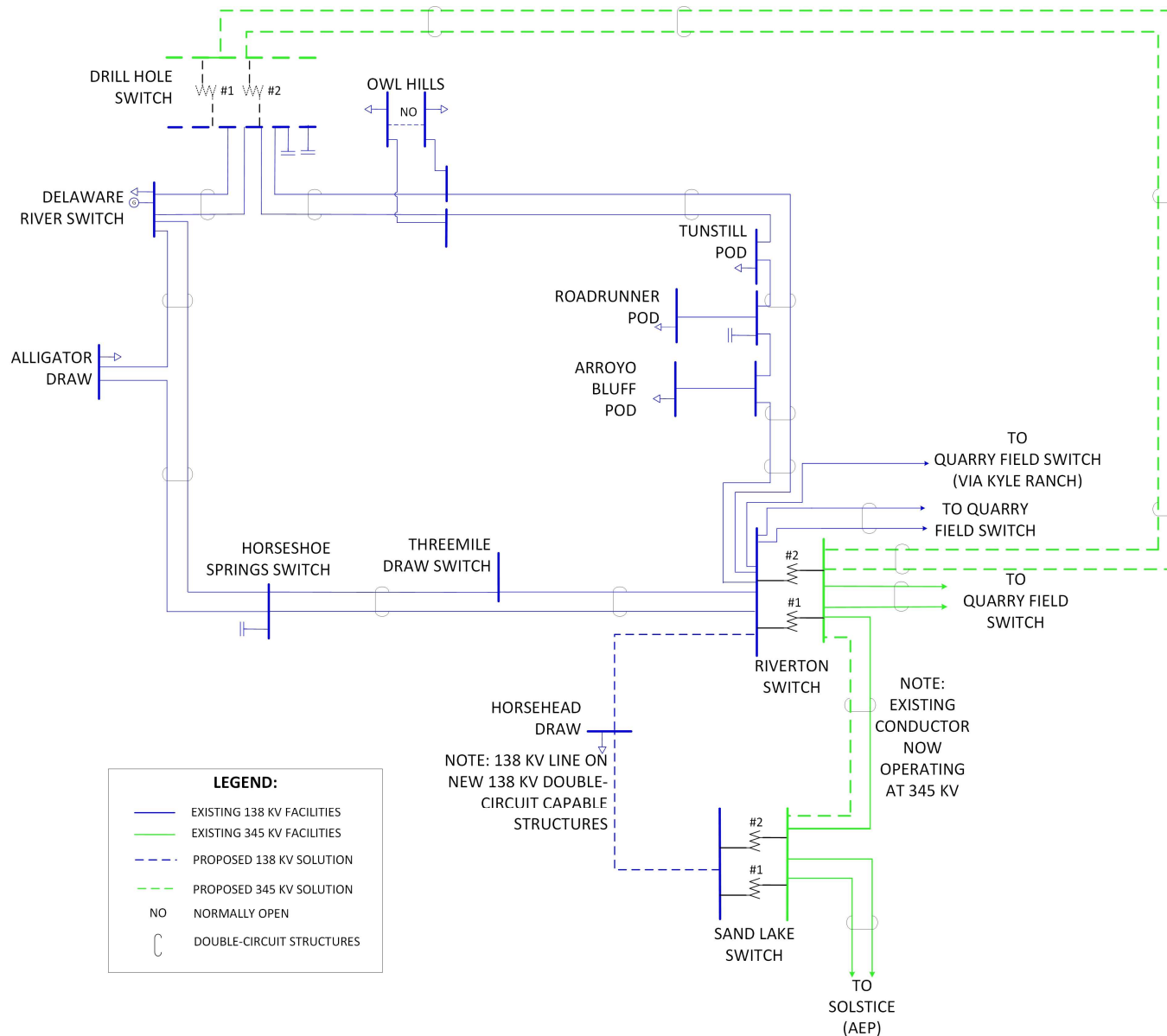
Project Overview

- Delaware Basin Stage 3 and 4 load thresholds exceeded by Summer 2024
- P1 contingencies heavily load both Riverton 345/138 kV Autotransformers
- Oncor proposes the following system upgrades to reliably meet the growing load demands within the Permian Basin:
 - 40 miles of greenfield 138 kV transmission line
 - 40 miles of 345 kV transmission line conversion
 - 18 miles of greenfield 345 kV DCKT transmission line
 - 1 new 345 kV Switching Station (Drill Hole Switch)
 - 2 new 600 MVA, 345/138 kV Autotransformers
- Total cost of Proposed RPG Project - \$202.2 million
- All components in Oncor's project address the scope identified in Stages 3 and 4 of the ERCOT Delaware Basin Load Integration Study

Project Vicinity – Pre-Project



Project Vicinity – Post-Project



Progress

- Anticipating multiple CCN applications/submittals
- Construction expected to begin in 2025
- Anticipated to take 2 years to complete entire set of projects in the Proposed RPG Submittal
- Proposed RPG Submittal cleared RPG phase 4/11/2024
 - ERCOT Independent Review to be complete by 9/8/2024

QUESTIONS

