

DPL 2026

Submission of Supplemental Project for
Inclusion in the Local Plan

Need Number: DPL-2025-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 3/12/2026

Previously Presented:

Needs Meeting 8/14/2025

Solutions Meeting 9/18/2025

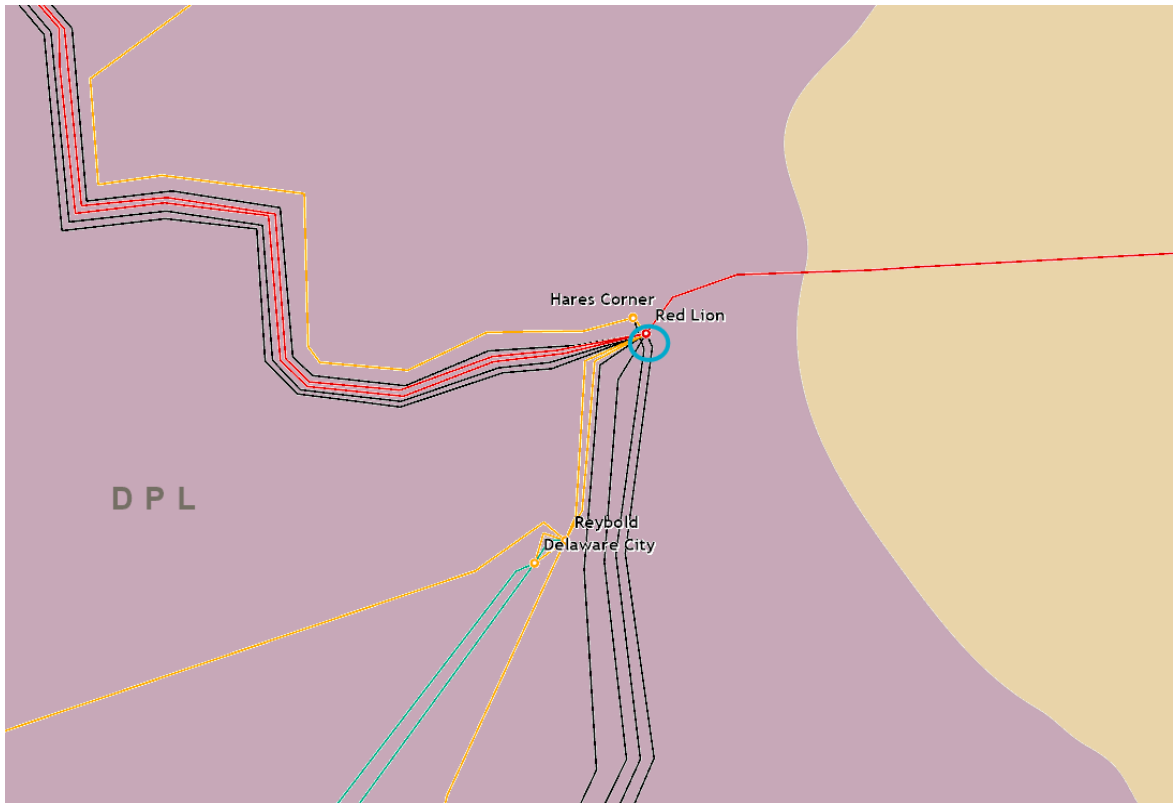
Project Driver: Customer Service

Specific Assumption Reference:

- Transmission system configuration changes due to new or expansion of existing distribution substations

Problem Statement:

- DPL capacity planning is forecasting additional industrial and residential load growth in the region located near Red Lion substation, and existing distribution facilities do not have the capacity to support this growing demand. Additionally, Red Lion substation has only a single distribution transformer, impacting reliability to customers in the region.



Need Number: DPL-2025-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 3/12/2026

Selected Solution:

- Install (2) new 2000A 138 kV breakers on the Red Lion 138kV ring bus to create a position for the new transformer

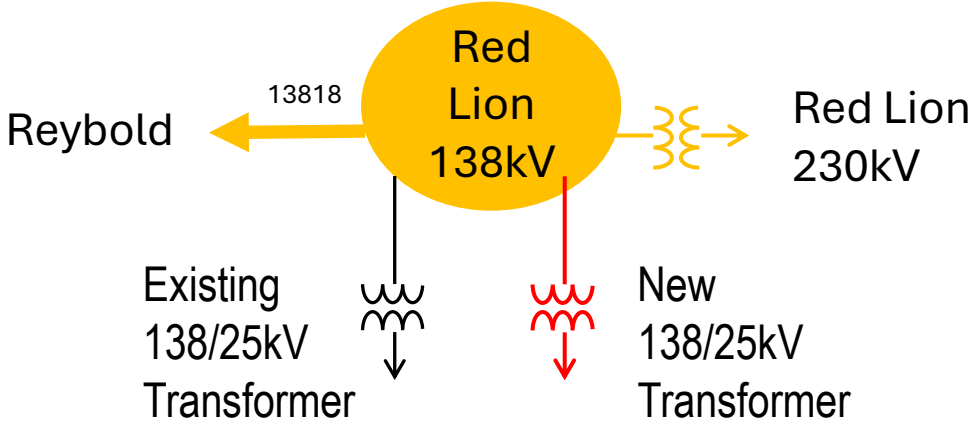
Transmission Cost: \$4.9 million

In-Service: 12/19/2025

Supplemental Project ID: s3785

Project Status: Complete

Model: 2029 RTEP



New 25KV Transformer 
Existing 25KV Transformer 
Existing 138KV equipment 

Need Number: DPL-2025-002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 3/12/2026

Previously Presented:

Needs Meeting 9/18/2025

Solutions Meeting 10/16/2025

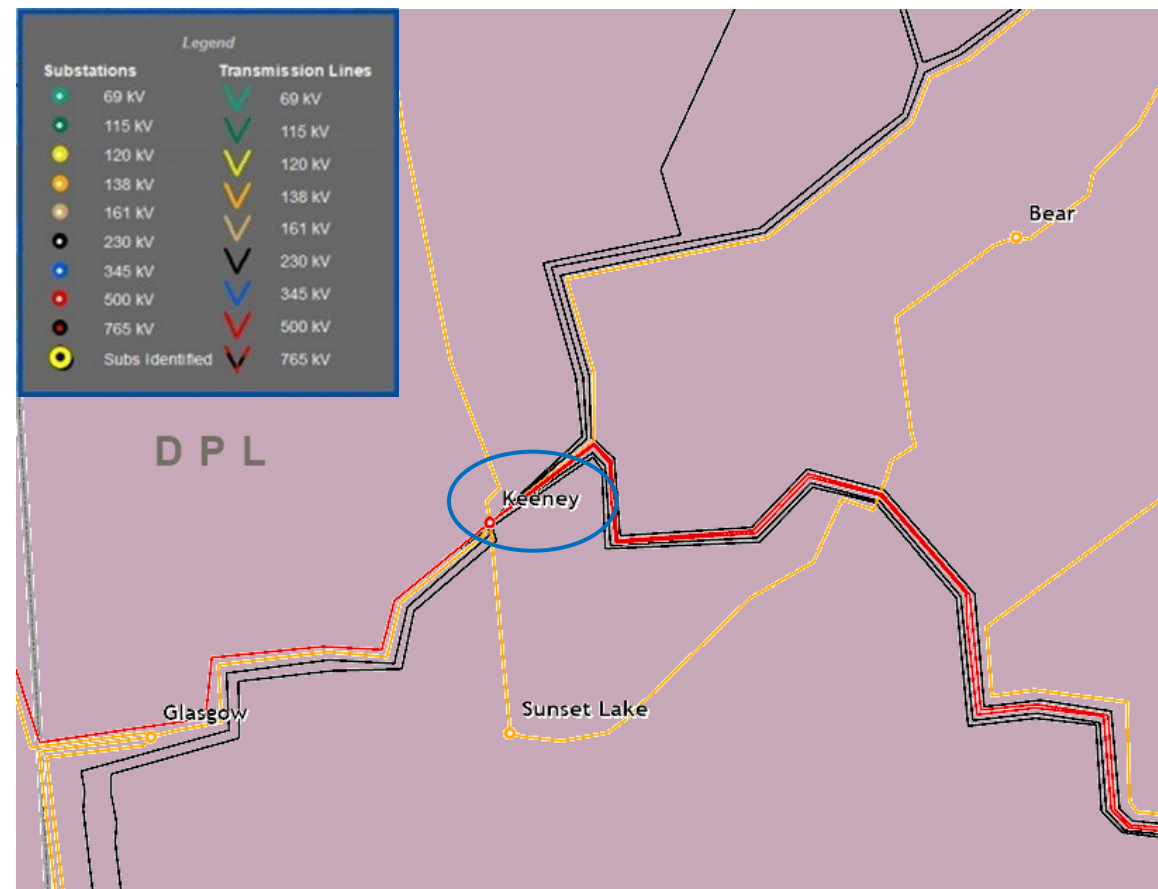
Project Driver: Operational Flexibility and Efficiency

Specific Assumption Reference:

- Increasing system capacity
- Remedy recurring operational problems

Problem Statement:

- The Keeney EHV to Keeney 138 kV line facility has experienced operational challenges due to real-time conditions, requiring operator actions.



Need Number: DPL-2025-002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 3/12/2026

Selected Solution:

- Upgrade bus conductor at Keeney 138 kV from 954 ACSR to 2-954 ACSR.
- Ratings on the Keeney 138KV to Keeney EHV line will be increased as shown in the table below.

	Summer Ratings (Normal/Emergency/Load Dump) (MVA)	Winter Ratings (Normal/Emergency/Load Dump) (MVA)
Existing Ratings	280/348/401	318/389/447
New Ratings	392/478/540	449/478/550

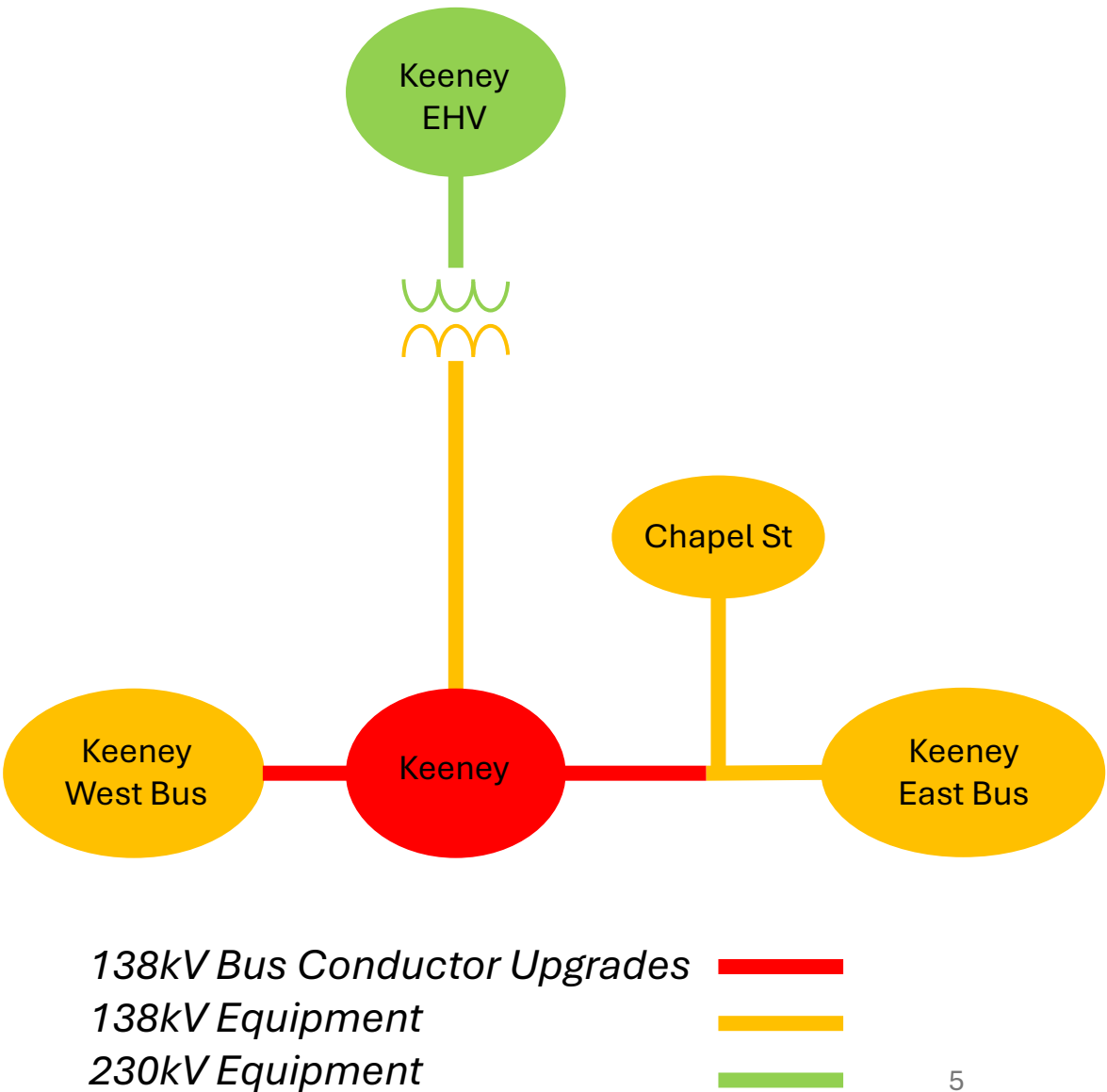
Transmission Cost: \$0.15 million

In-Service: 12/12/2025

Supplemental Project ID: s3788

Project Status: Complete

Model: 2029 RTEP





Version History

3/12/2026 – V1 – Slides #1-5 s3785, s3788