

# Sub-Regional RTEP Committee – Mid-Atlantic PPL Supplemental Projects

September 18<sup>th</sup> , 2025

# Needs

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

# PPL Transmission Zone: Supplemental Derry, PA

**Need Number:** PPL-2025-0020

**Process Stage:** Need Meeting

09/18/2025

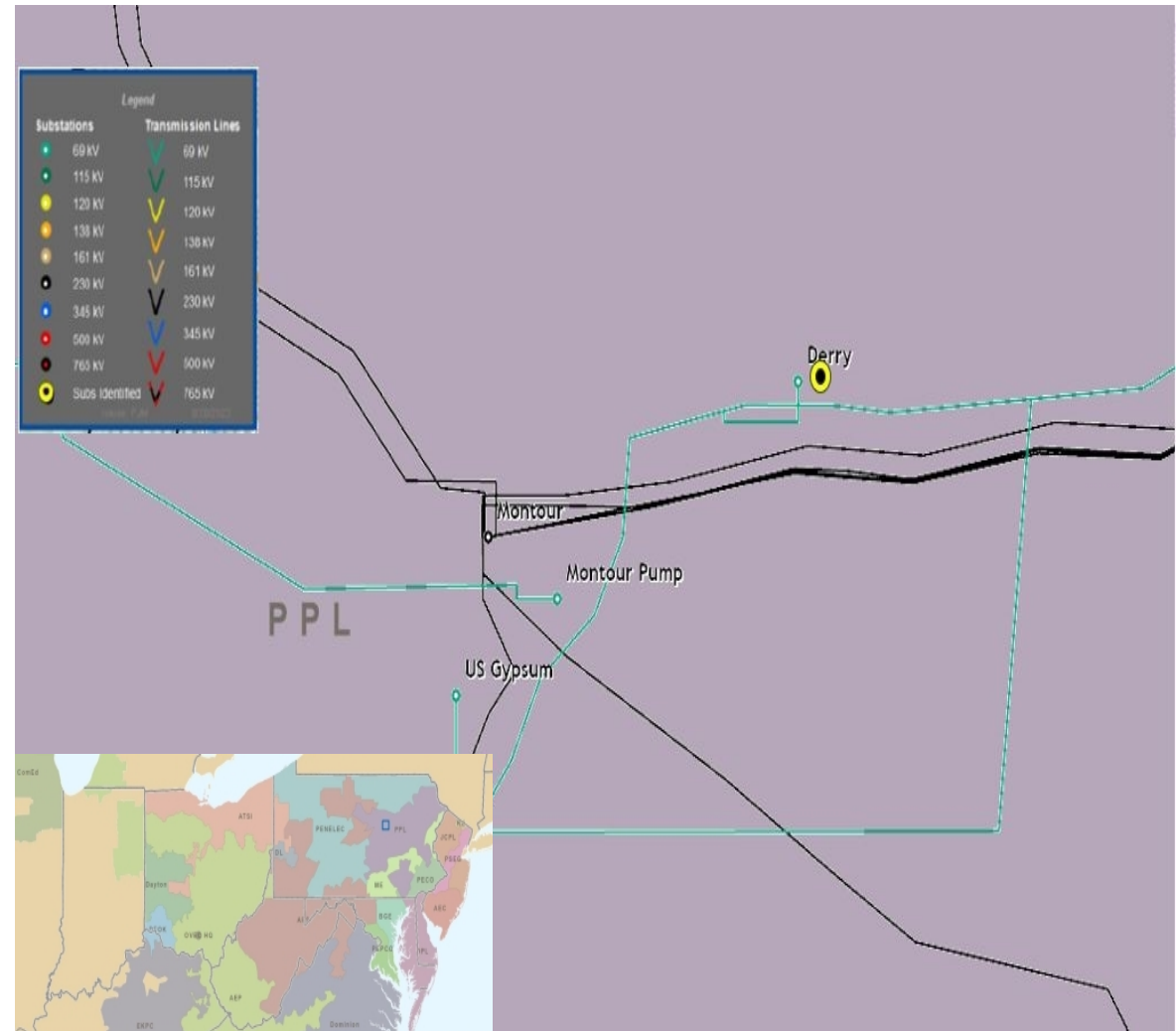
**Project Driver:** Customer Service

**Specific Assumption References:**

PPL 2025 Annual Assumptions

## Problem Statement:

PPL Distribution has submitted a request to relocate an existing 69-12kV substation from Derry Township, PA to Bloomsburg, PA. The existing station is currently in a high-risk flood plain.



# PPL Transmission Zone: Supplemental Hughesville, PA

**Need Number:** PPL-2025-0021

**Process Stage:** Need Meeting

09/18/2025

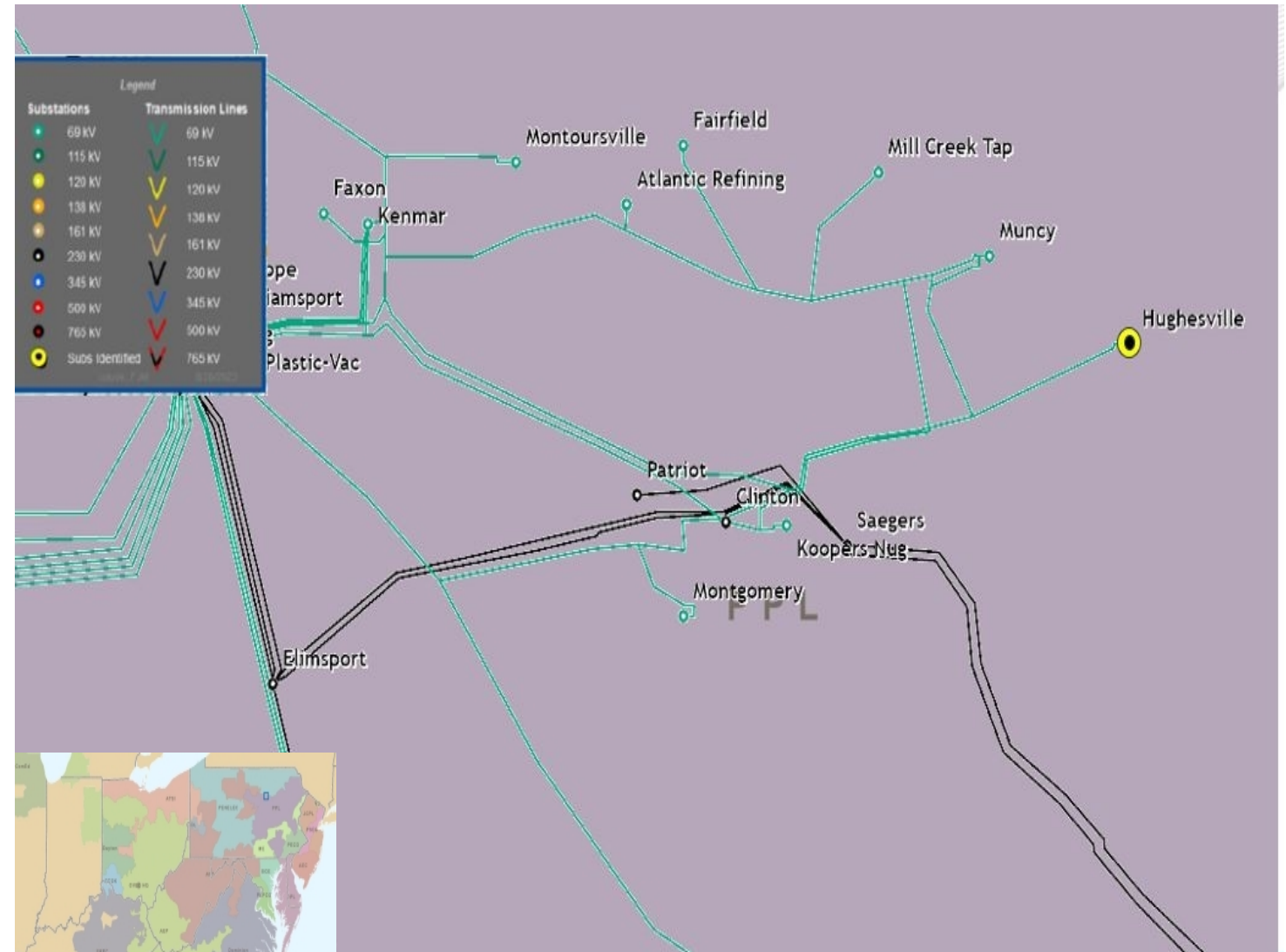
**Project Driver:** Customer Service

**Specific Assumption References:**

PPL 2025 Annual Assumptions

## Problem Statement:

PPL Distribution has submitted a request for a second 69kV feed at Hughesville Substation to increase reliability.



# PPL Transmission Zone: Supplemental Coopersburg, PA

**Need Number:** PPL-2025-0022

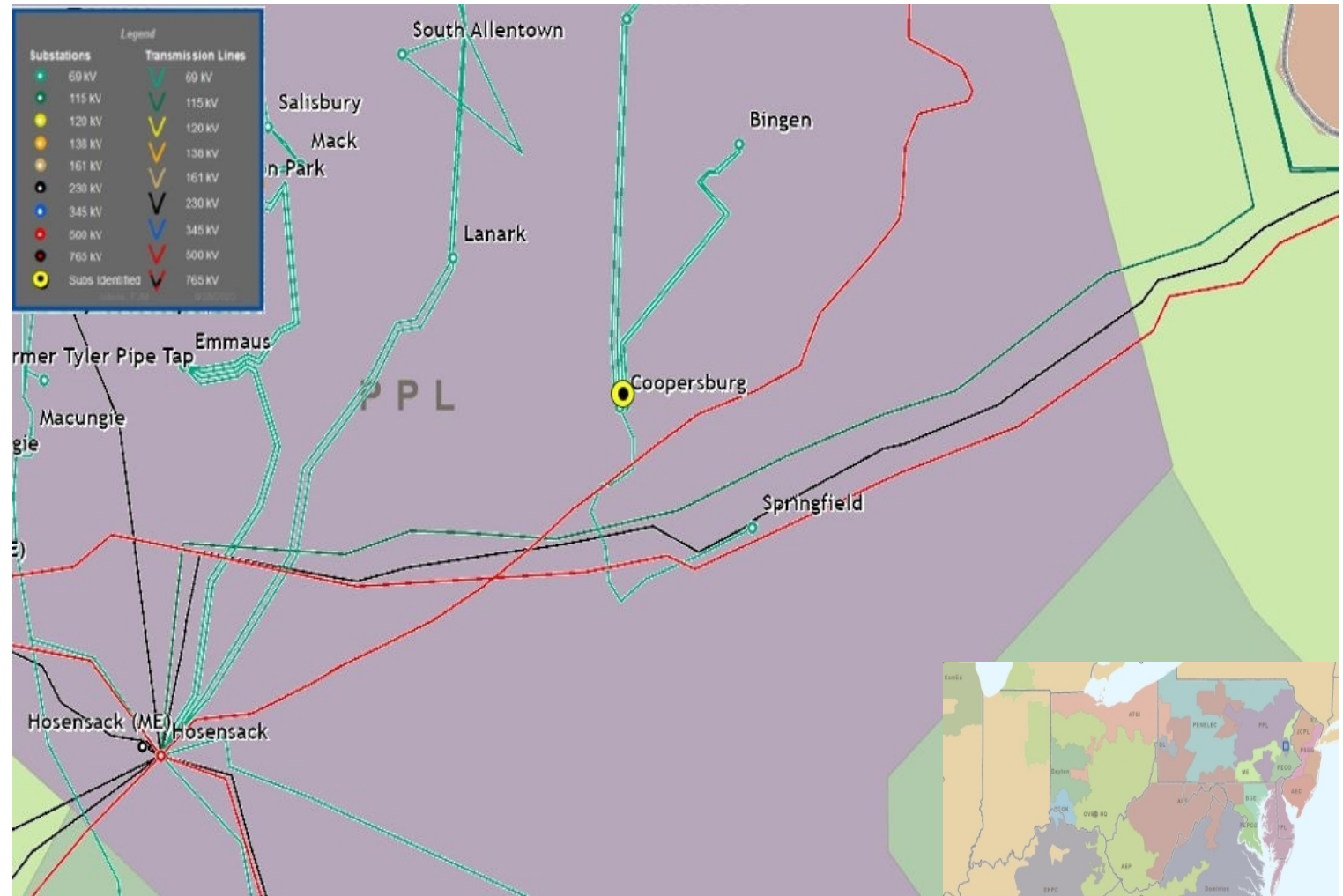
**Process Stage:** Need Meeting  
09/18/2025

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2025 Annual Assumptions

## Problem Statement:

PPL Distribution has submitted a request to relocate an existing 69-12kV substation from Coopersburg, PA to Center Valley, PA. The existing station is currently in a high-risk flood plain.



# Solutions

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process



# PPL Transmission Zone: Supplemental Rutherford, PA

**Need Number:** PPL-2025-0001

**Process Stage:** Solution Meeting

SR RTEP-MA - 09/18/2025

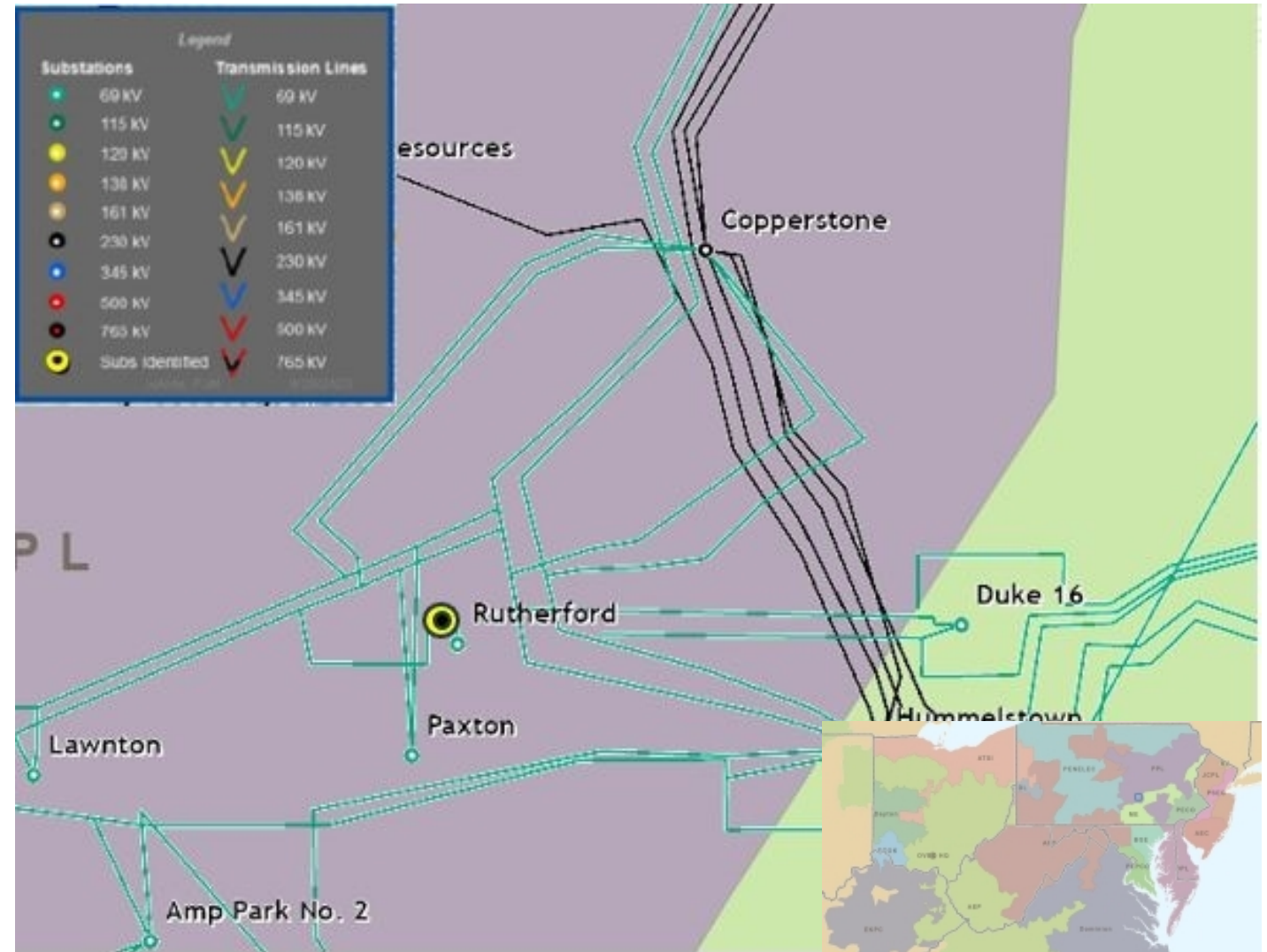
**Previously Presented:** Need Meeting  
02/13/2025

**Project Driver:** Operational Flexibility  
and Efficiency

**Specific Assumption References:**  
2025 Annual Assumptions

## Problem Statement:

PPL Distribution is requesting to energize the on-site spare transformer at Rutherford 69-12kV Substation to improve operational flexibility and reliability. Requested in-service 5/2026.



# PPL Transmission Zone: Supplemental Rutherford, PA

**Need number(s):** PPL-2025-0001

**Process Stage:** Solution Meeting  
SRRTEP-MA - 09/18/2025

**Proposed Solution:**

**Copperstone-Harrisburg 2:** Install loops to tap the existing Copperstone-Harrisburg 2 69kV line to interconnect the spare transformer to Rutherford distribution substation. Build new loops using 556 ACSR conductor.. Estimated Cost: \$0.5 M

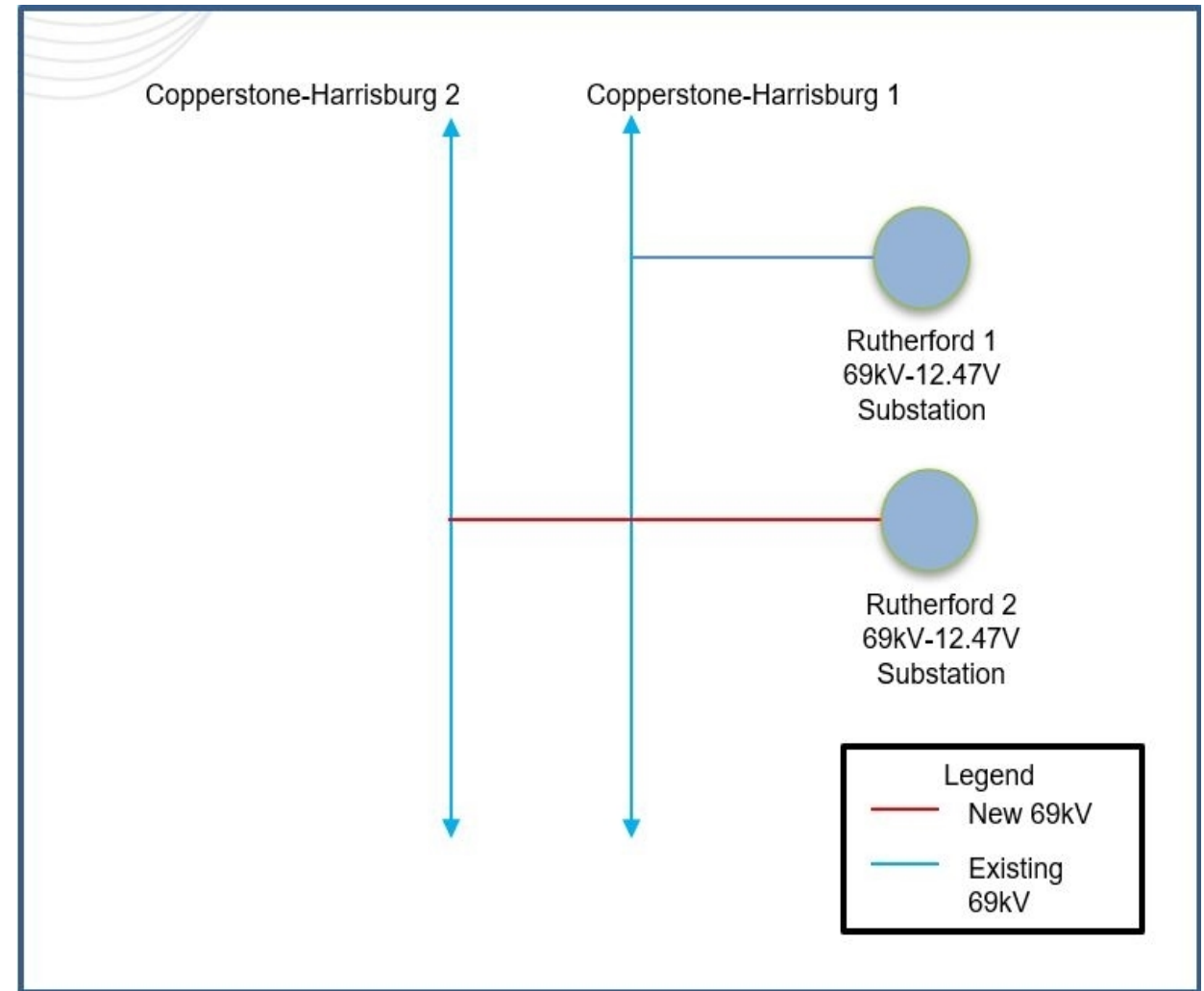
**Transmission Cost Estimate:** \$0.5 M

**Alternatives Considered:**

No feasible alternatives

**Projected In-Service:** 05/30/2027

**Project Status:** Conceptual





# PPL Transmission Zone: Supplemental Frackville, PA

**Need Number:** PPL-2019-0004

**Process Stage:** Solution Meeting  
SRRTEP-MA - 09/18/2025

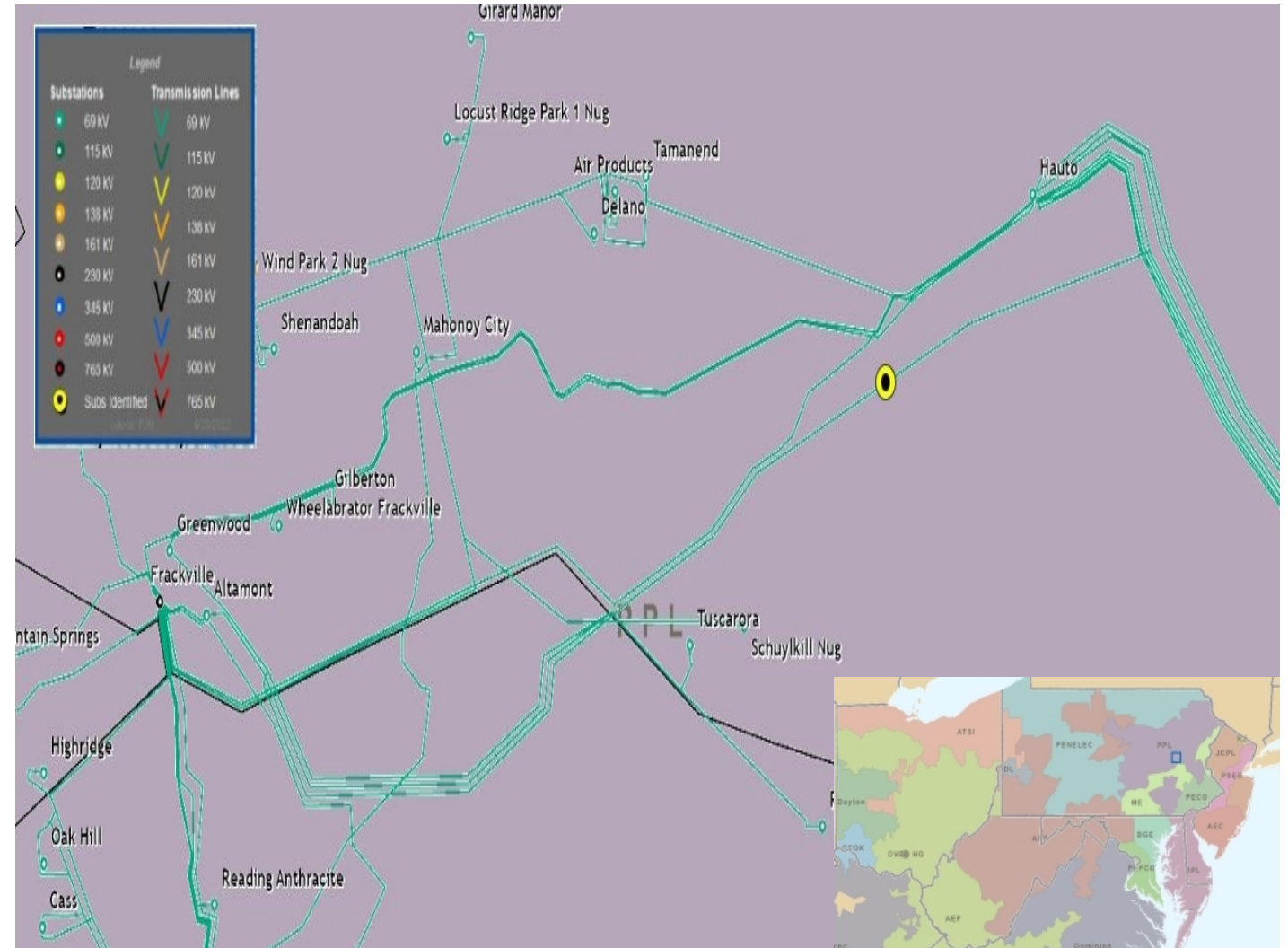
**Previously Presented:** Need Meeting  
06/12/2025, 02/22/2019

**Project Driver:** Equipment  
Condition/Performance/Risk

**Specific Assumption References:**  
PPL 2025 Annual Assumptions

## Problem Statement:

The Hauto-Frackville #1 69kV line is a reliability risk due to poor asset health. The line is in poor condition with the original assets installed in 1923. The line consists of 193 vintage wood poles, 27 towers, and 92 steel poles. The majority of the line is 336 ACSR conductor which was installed in 1967.



# PPL Transmission Zone: Supplemental Frackville, PA

**Need number(s):** PPL-2019-0004

**Process Stage:** Solution Meeting  
SRRTEP-MA - 09/18/2025

**Proposed Solution:**

**Frackville-Greenwood 69kV (Formerly Hauto-Frackville 1):** Rebuild 5 miles of the Frackville-Greenwood and Frackville-Orwigsburg 1 lines as double circuit 69kV. Rebuild 13 miles of the Frackville-Greenwood line as a single circuit 69kV.. Estimated Cost: \$45 M

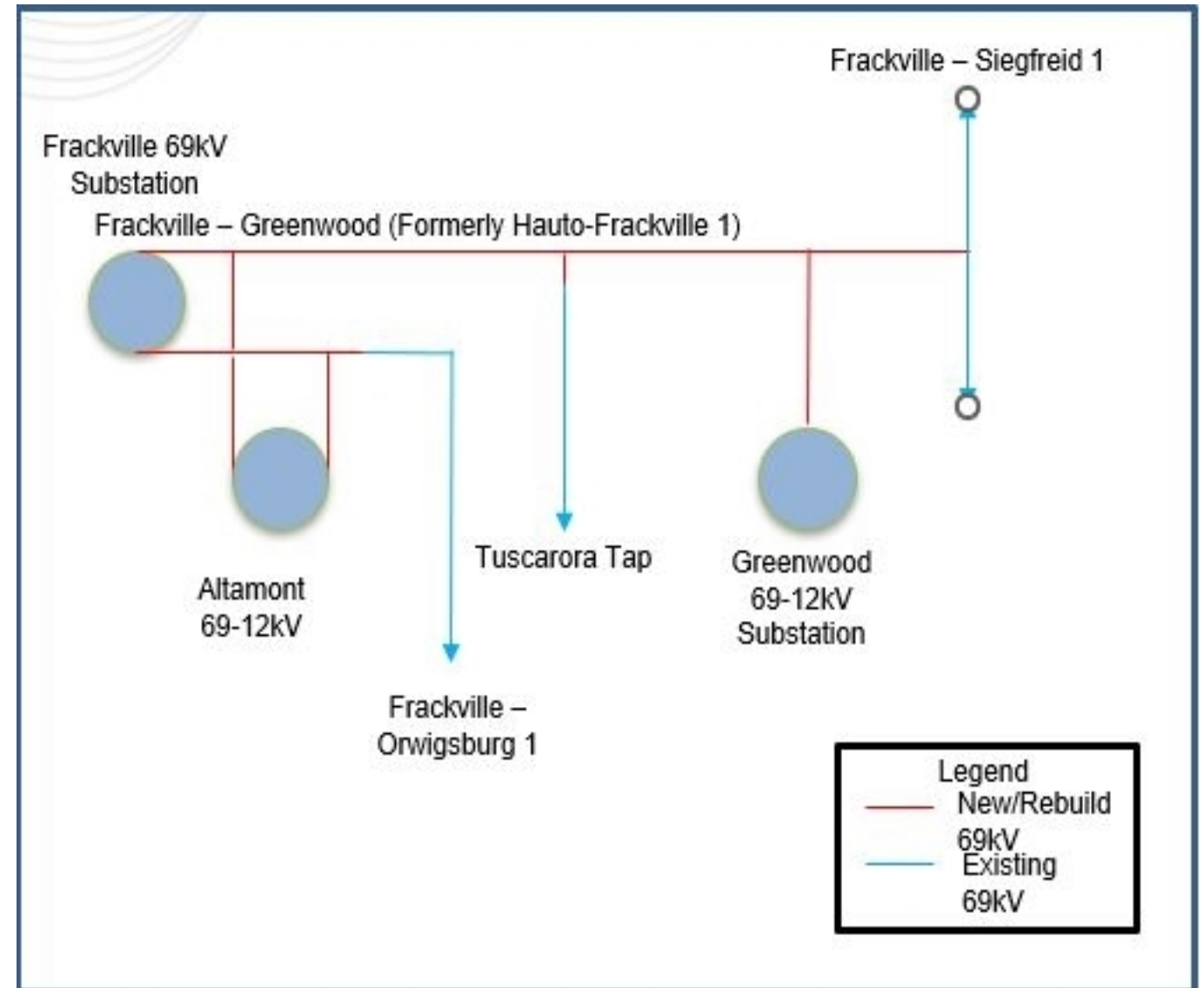
**Transmission Cost Estimate:** \$45 M

**Alternatives Considered:**

No feasible alternatives.

**Projected In-Service:** 06/30/2028

**Project Status:** Conceptual



# PPL Transmission Zone: Supplemental Keystone, PA

**Need Number:** PPL-2025-0016

**Process Stage:** Solution Meeting

**SR RTEP-MA - 09/18/2025**

**Previously Presented:** Need Meeting  
08/14/2025

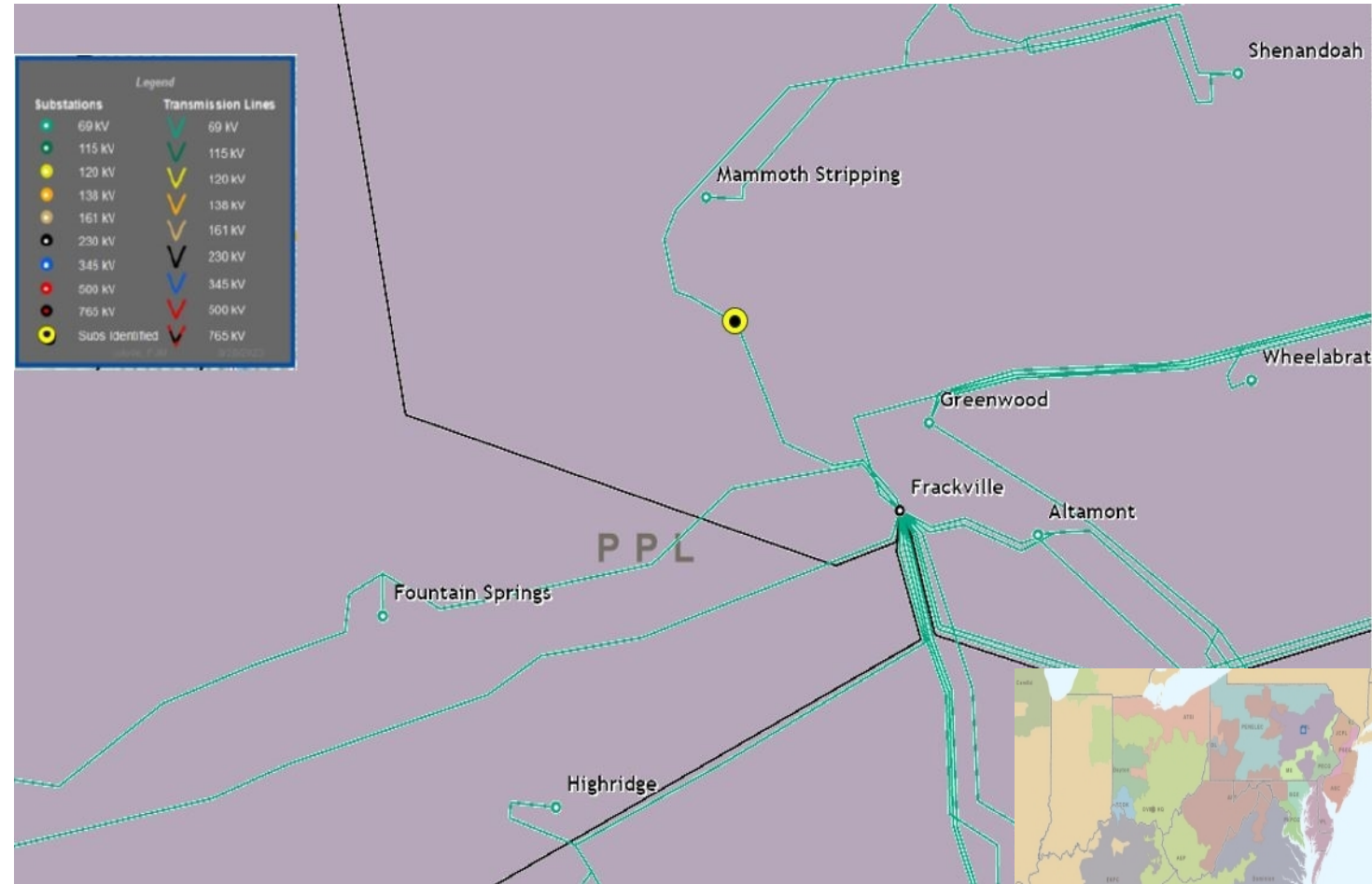
**Project Driver:** Customer Service

**Specific Assumption References:**

PPL 2025 Annual Assumptions

## Problem Statement:

A customer has submitted a request to have their facility served from a 69kV transmission line in Girardville, PA. The load is approximately 2MVA.



# PPL Transmission Zone: Supplemental Rutherford, PA

**Need number(s):** PPL-2025-0016

**Process Stage:** Solution Meeting  
SRRTEP-MA - 09/18/2025

**Proposed Solution:**

**Frackville-Siegfried 2:** Extend a new circuit 69kV tap from the existing Frackville-Siegfried 2 69kV line to interconnect the new Customer substation. Build 0.1 miles of new 69kV single circuit line using 556 ACSR conductor. Initial loading of ~2MVA. Estimated Cost: \$0.7 M

**Transmission Cost Estimate:** \$0.7 M

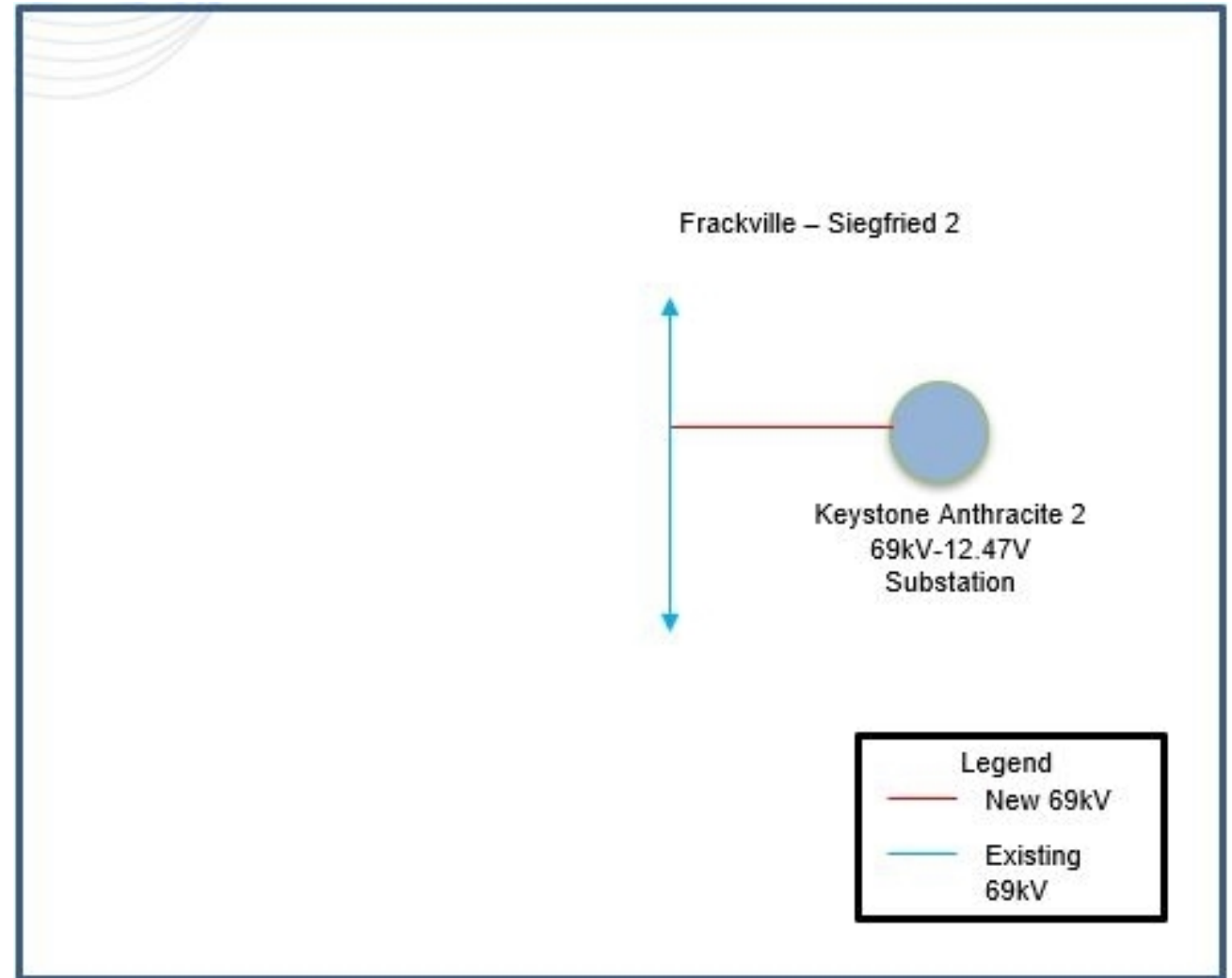
**Alternatives Considered:**

No feasible alternatives

**Projected In-Service:** 02/28/2027

**Project Status:** Conceptual

SRRTEP : Mid-Atlantic – PPL Supplemental 09/18/2025



# Appendix

# High level M-3 Meeting Schedule

## Assumptions

Activity	Timing
Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
Stakeholder comments	10 days after Assumptions Meeting

## Needs

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

## Solutions

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

## Submission of Supplemental Projects & Local Plan

Activity	Timing
Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Post selected solution(s)	Following completion of DNH analysis
Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions



# Revision History

09/05/2025 – V1 – Original version posted to pjm.com