

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

May 14th, 2026

# 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 Electric Utilities

# PPL Transmission Zone: Supplemental Milford, PA

**Need Number:** PPL-2026-0032

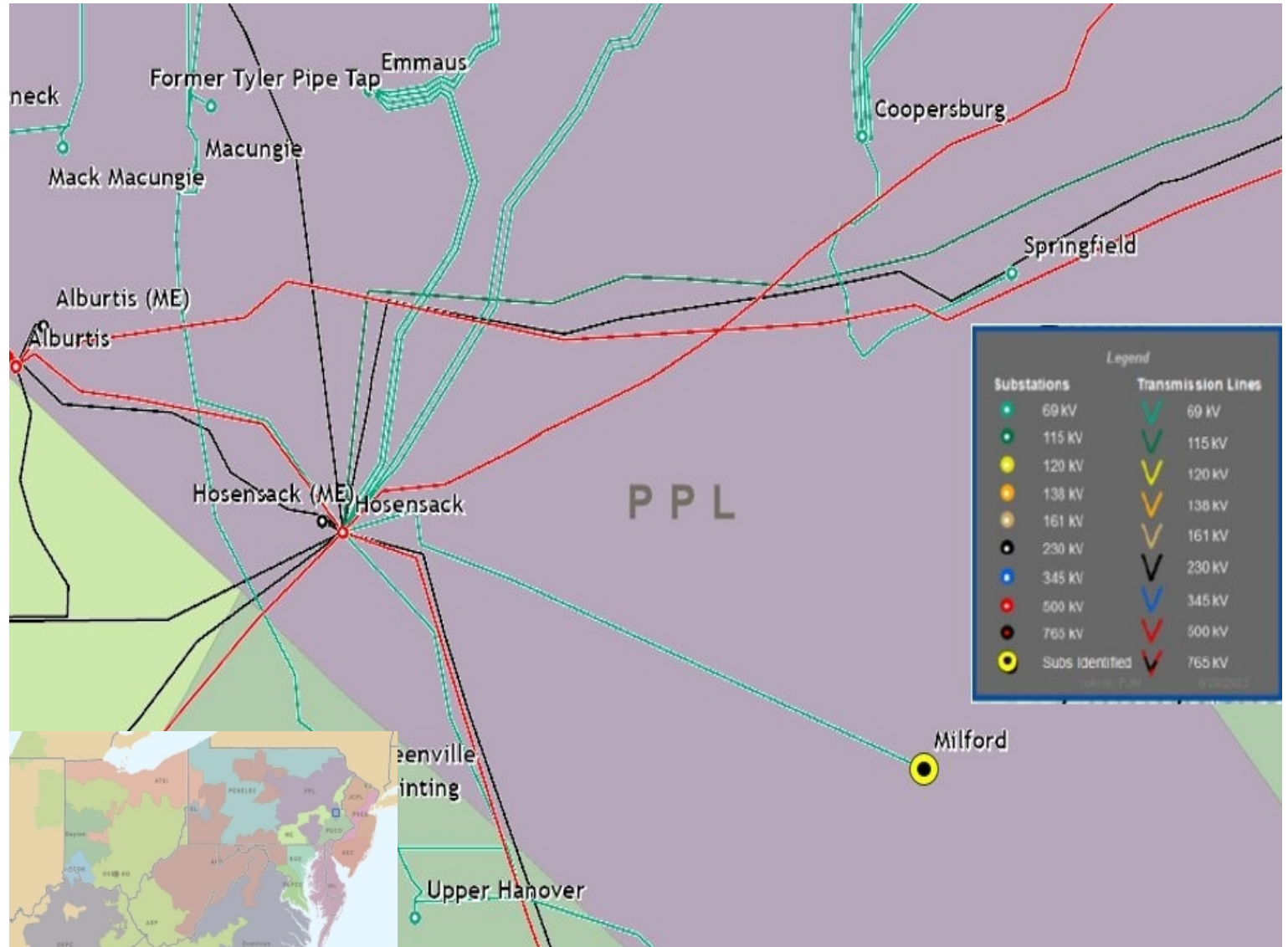
**Process Stage:** Need Meeting  
05/14/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

## Problem Statement:

PPL Distribution is requesting to feed the Milford 69-12kV Substation from an additional source to improve operational flexibility and reliability. Requested in-service 11/30/2030.





PPL Electric Utilities

# PPL Transmission Zone: Supplemental Allentown, PA

**Need Number:** PPL-2026-0035

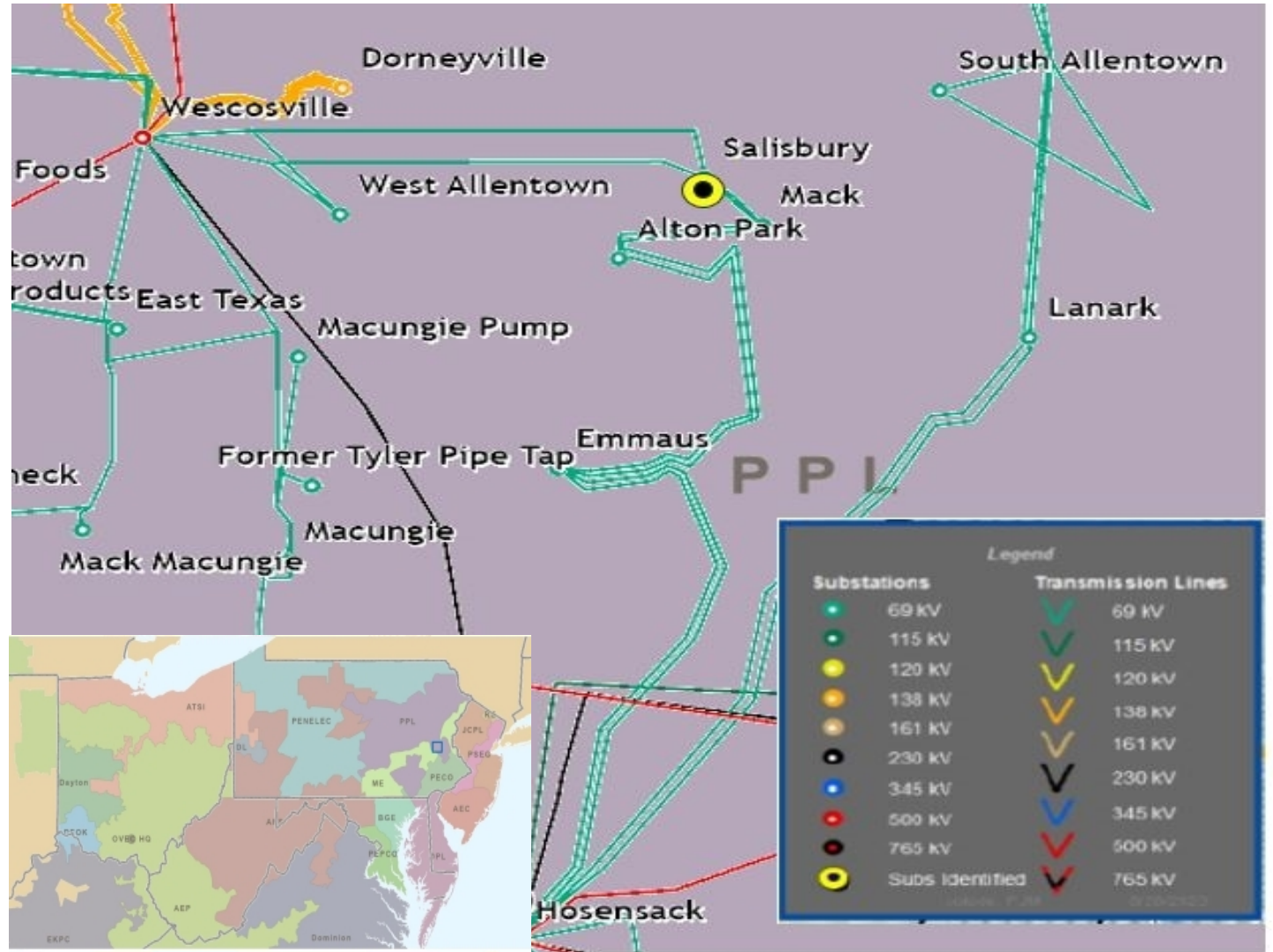
**Process Stage:** Need Meeting  
05/14/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

## Problem Statement:

A customer has submitted a request to have their facility served from a 69kV source in Allentown, PA. The requested 69kV service from these taps is for 75MW.





# PPL Transmission Zone: Supplemental Macungie, PA

**Need Number:** PPL-2026-0036

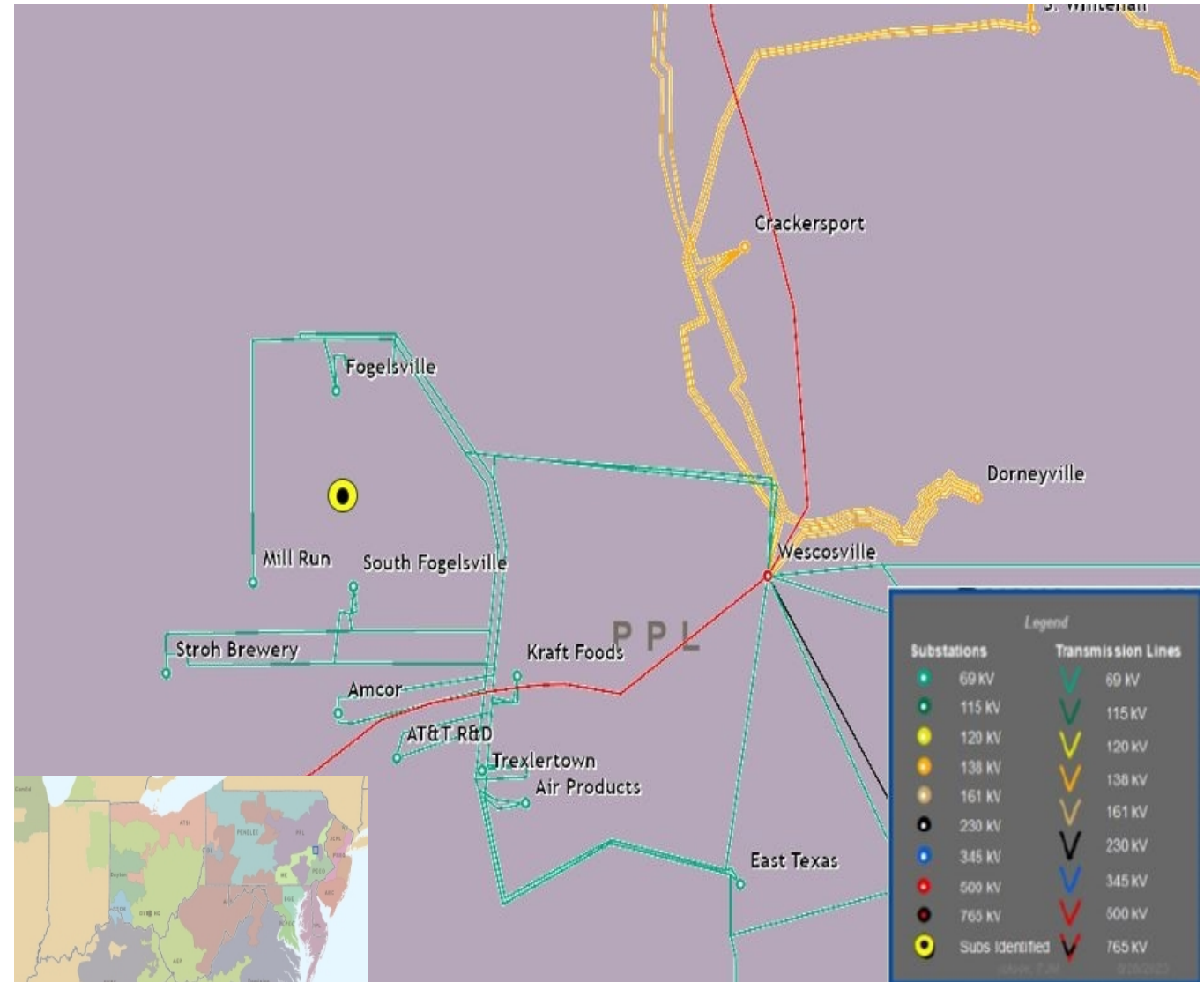
**Process Stage:** Need Meeting  
05/14/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

## Problem Statement:

A customer has submitted a request to have their facility served from a 69kV source in Upper Macungie Township, PA. The requested 69kV service from these taps is for 15MW.



# 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

**Need Number:** PPL-2026-0006

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

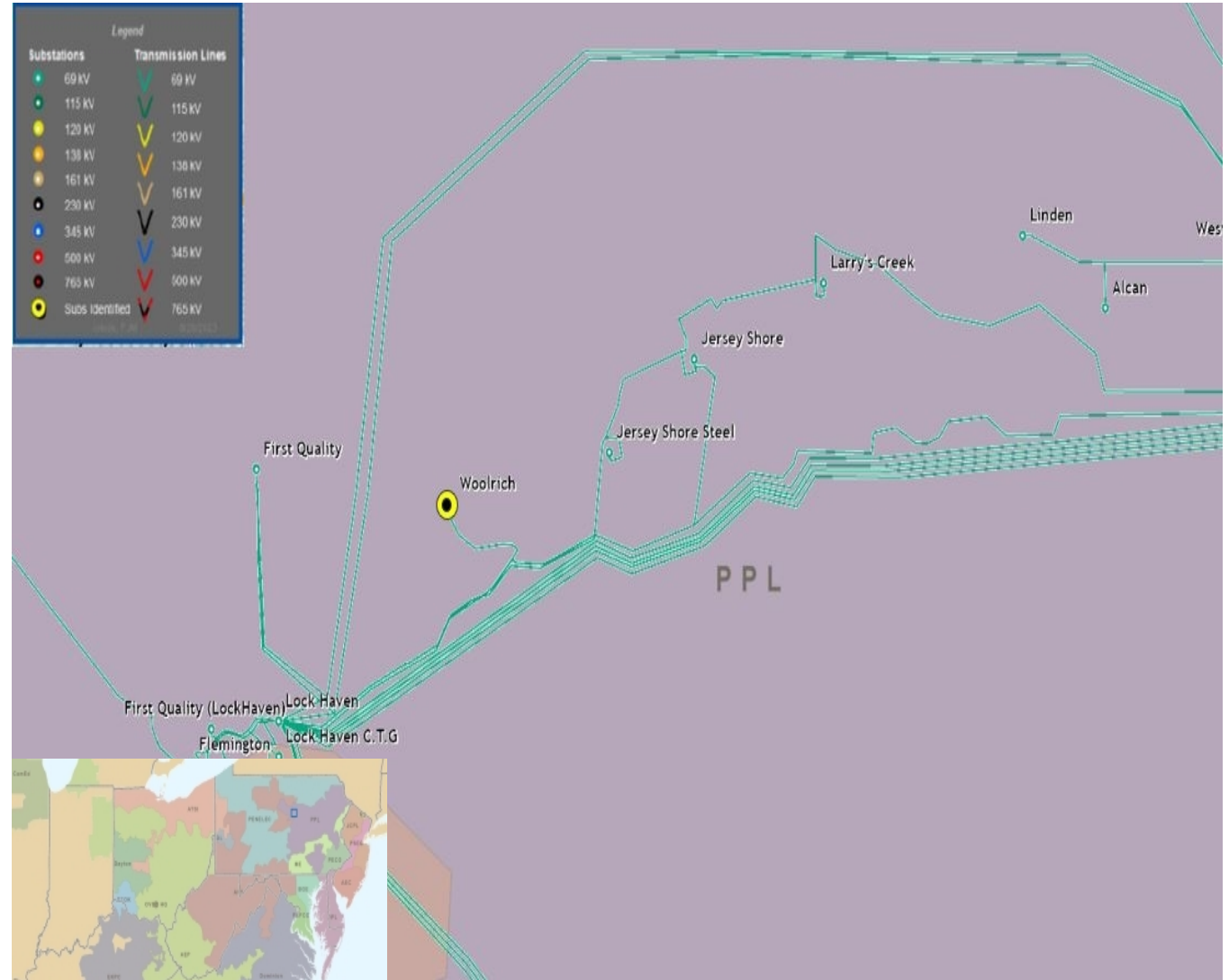
**Previously Presented:** Need Meeting  
03/18/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

**Problem Statement:**

PPL Distribution is requesting to feed the Woolrich 69-12kV Substation from an additional independent source to improve operational flexibility and reliability. Requested in-service 11/30/2028.





# PPL Transmission Zone: Supplemental Woolrich, PA

**Need number(s):** PPL-2026-0006

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**Woolrich Tap:** Tap the existing Lycoming - Lock Haven #4 69kV line and extend ~0.9 miles to Woolrich Substation transformer bay 2 position. Utilize 556 ACSR. Estimated Cost: \$2.1 M

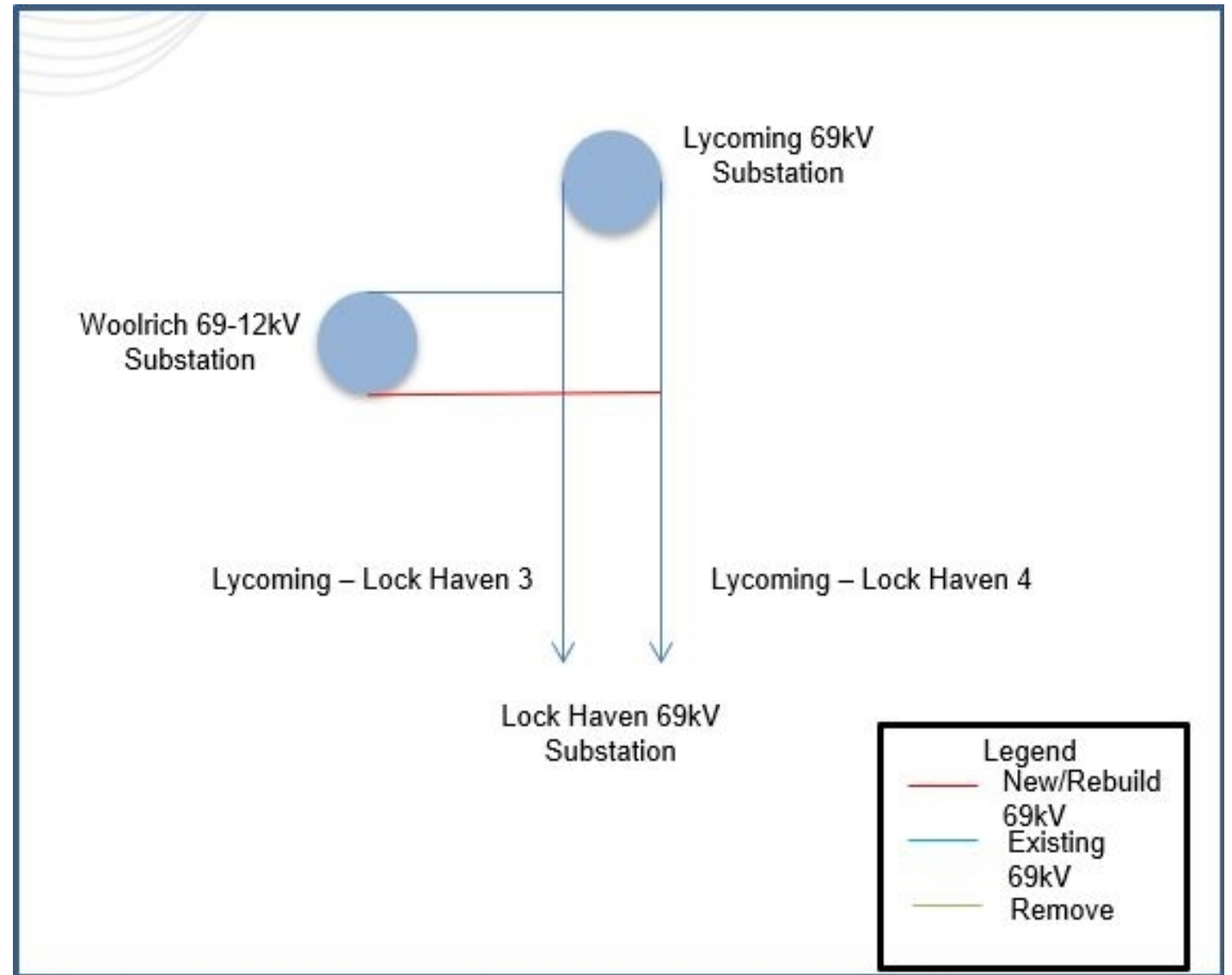
**Transmission Cost Estimate:** \$2.1 M

**Alternatives Considered:**

N/A

**Projected In-Service:** 11/30/2028

**Project Status:** Conceptual





# PPL Transmission Zone: Supplemental Northampton, PA

**Need Number:** PPL-2026-0015

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

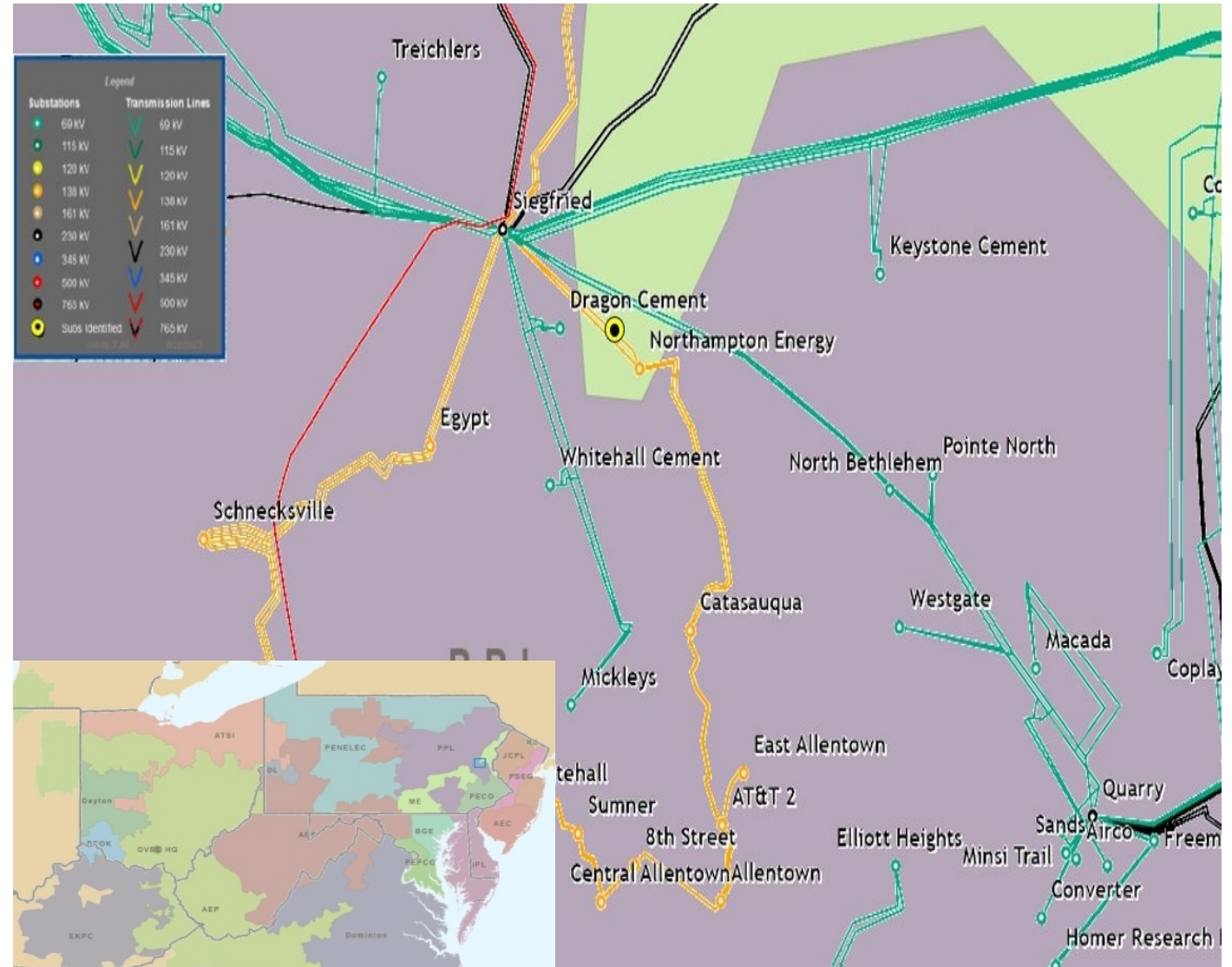
**Previously Presented:** Need Meeting  
04/14/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

## Problem Statement:

A customer has submitted a request to have their facility served from a 138kV source in Northampton, PA. The requested 138kV service from these taps is for 100 MW.





# PPL Transmission Zone: Supplemental Northampton, PA

**Need number(s):** PPL-2026-0015

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**North Bath:** Tap the existing ALLE-SIEG #1 & #2 138kV lines and extend 0.2 miles to the customer substation. Utilize 556 ACSR. . Estimated Cost: \$1.5 M

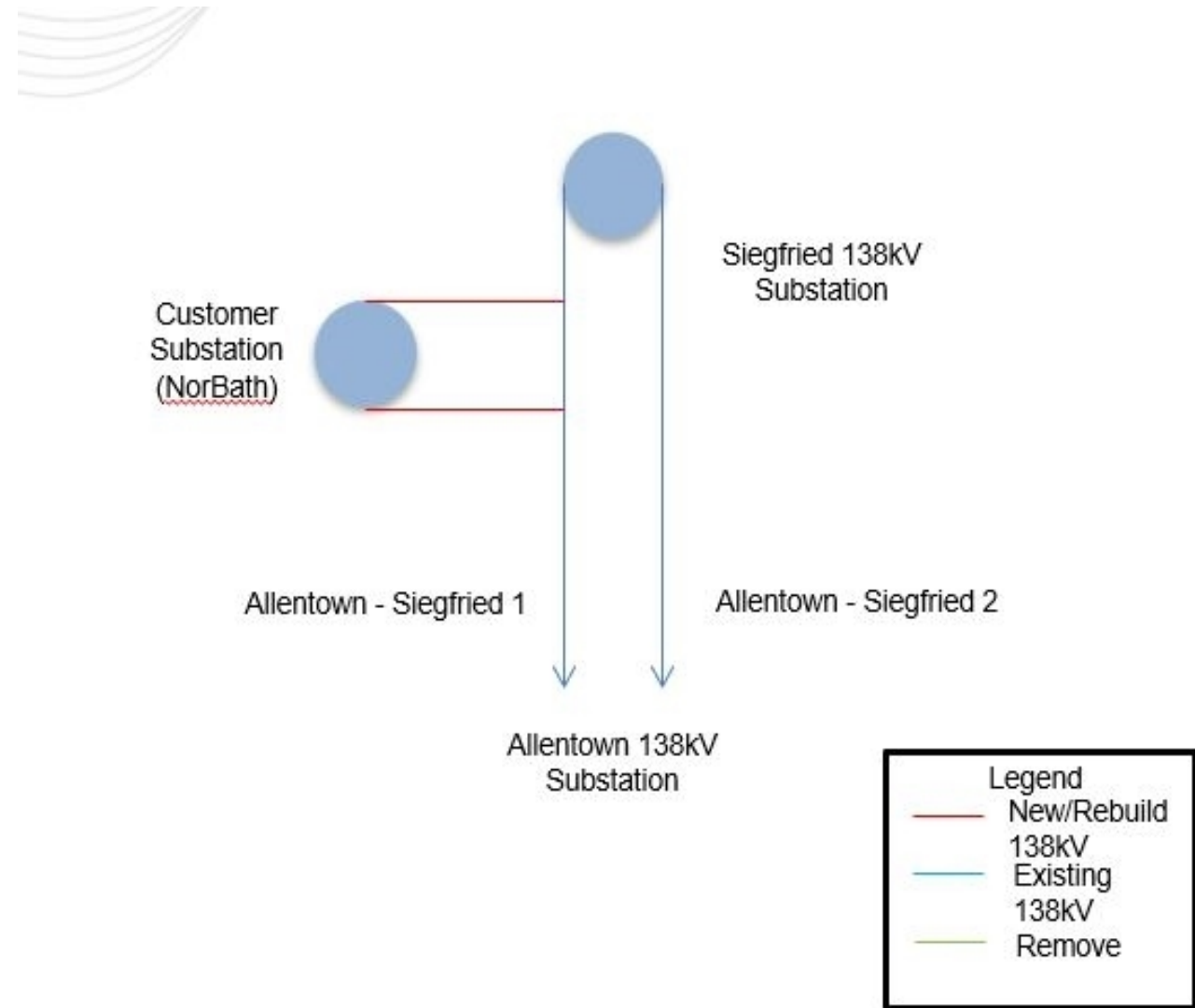
**Transmission Cost Estimate:** \$1.5 M

**Alternatives Considered:**

N/A

**Projected In-Service:** 07/31/2027

**Project Status:** Conceptual





# PPL Transmission Zone: Supplemental Dupont, PA

**Need Number:** PPL-2026-0019

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

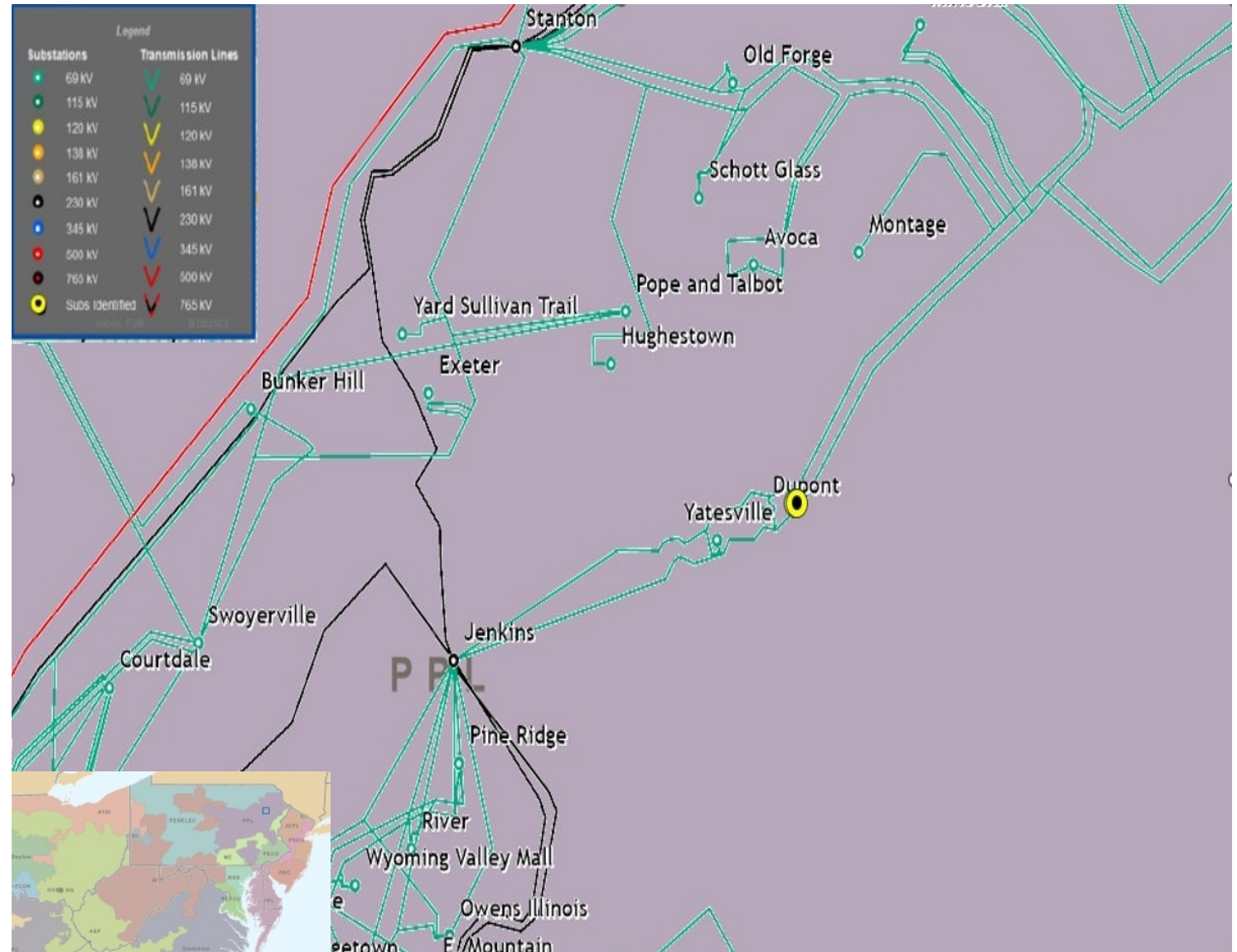
**Previously Presented:** Need Meeting  
03/18/2026

**Project Driver:** Customer Service,  
Operational Flexibility and Efficiency

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

## **Problem Statement:**

PPL Distribution is requesting to feed the Dupont 69-12kV Substation from an additional independent source to improve operational flexibility and reliability. Requested in-service 11/30/2028.





# PPL Transmission Zone: Supplemental Dupont, PA

**Need number(s):** PPL-2026-0019

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**Dupont Substation Tap:** Tap the existing Jenkins - Scranton #2 69kV line and extend ~0.1 miles to Dupont Substation transformer bay 2 position. Utilize 556 ACSR. . Estimated Cost: \$0.9 M

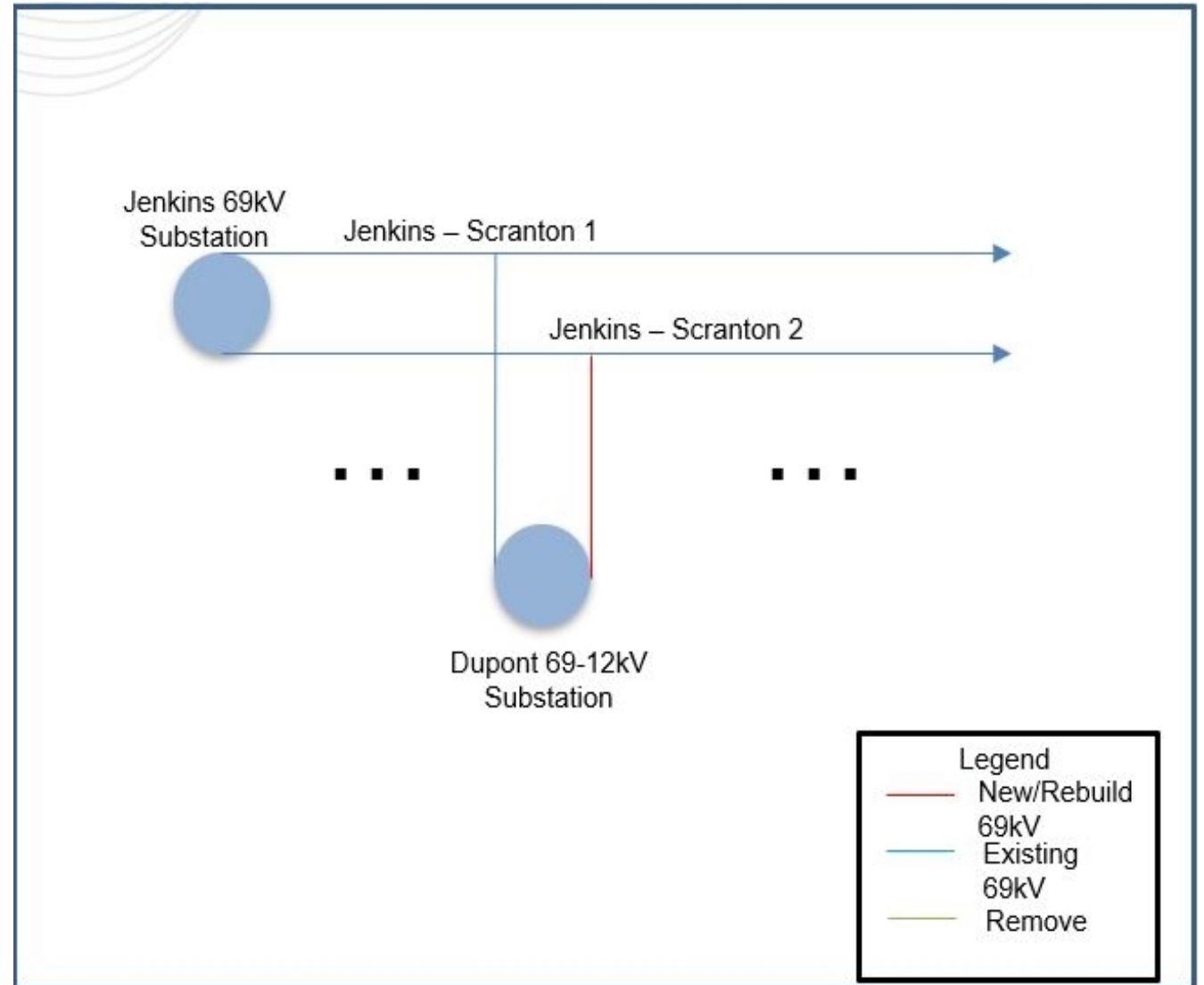
**Transmission Cost Estimate:** \$0.9 M

**Alternatives Considered:**

N/A

**Projected In-Service:** 11/30/2028

**Project Status:** Conceptual



**Need Number:** PPL-2026-0025

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

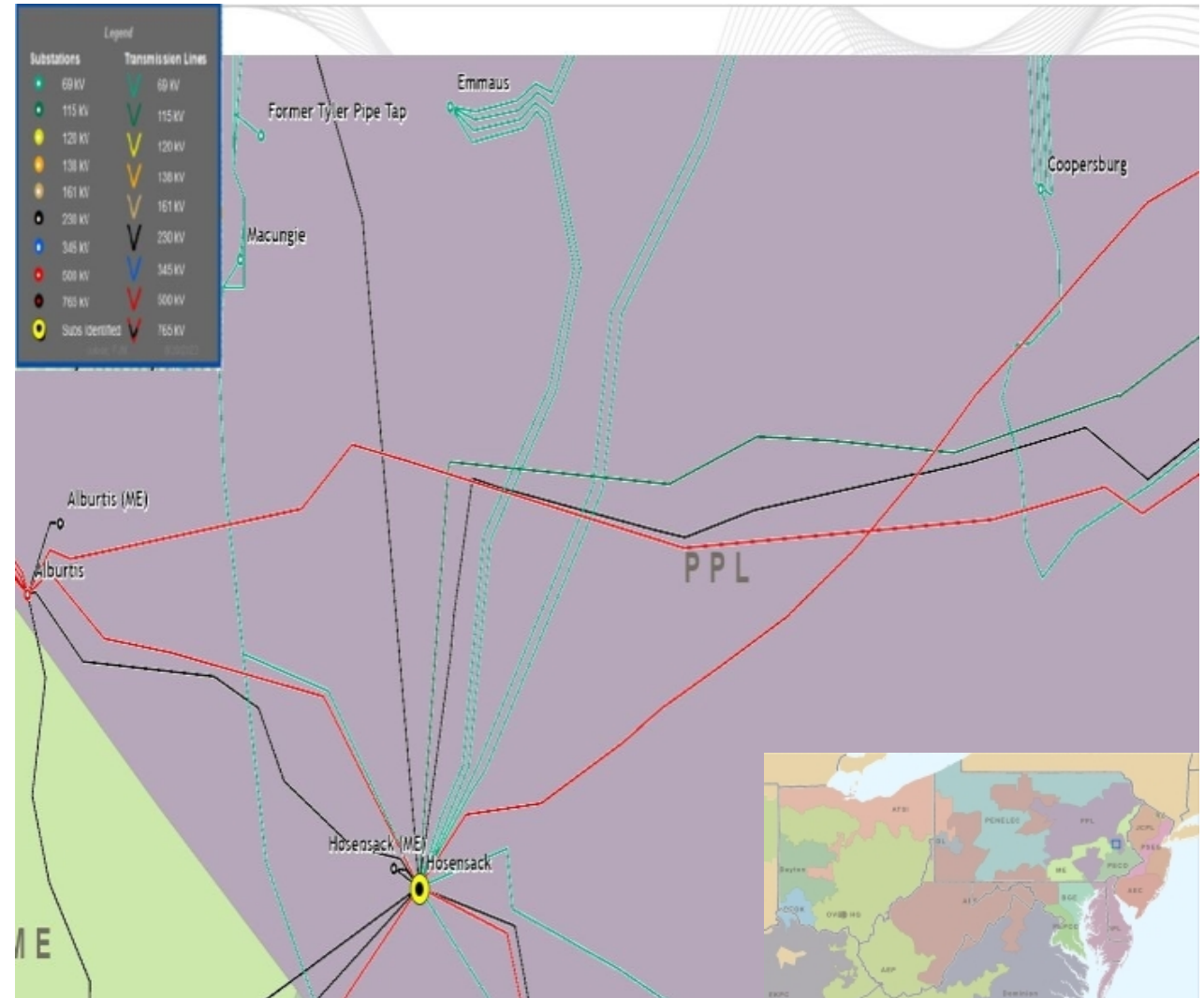
**Previously Presented:** Need Meeting  
03/18/2026

**Project Driver:** Operational Flexibility  
and Efficiency

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

**Problem Statement:**

The Hosensack 69 kV Yard is designed for a Double Bus-Double Breaker configuration, but several bays remain single-bus-fed, creating unnecessary customer outage exposure during P4 multiple-contingency events. Requested in-service 5/1/2028.





# PPL Transmission Zone: Supplemental Hosensack, PA

**Need number(s):** PPL-2026-0025

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**Hosensack 69kV circuit breaker upgrade:** Upgrade the Hosensack 69kV yard to complete Double breaker-double bus design. Install 5 new 2000A breakers.. Estimated Cost: \$3.4 M

**Transmission Cost Estimate:** \$3.4 M

**Alternatives Considered:**

N/A

**Projected In-Service:** 11/30/2028

**Project Status:** Conceptual





# PPL Transmission Zone: Supplemental Port Carbon, PA

**Need Number:** PPL-2026-0026

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

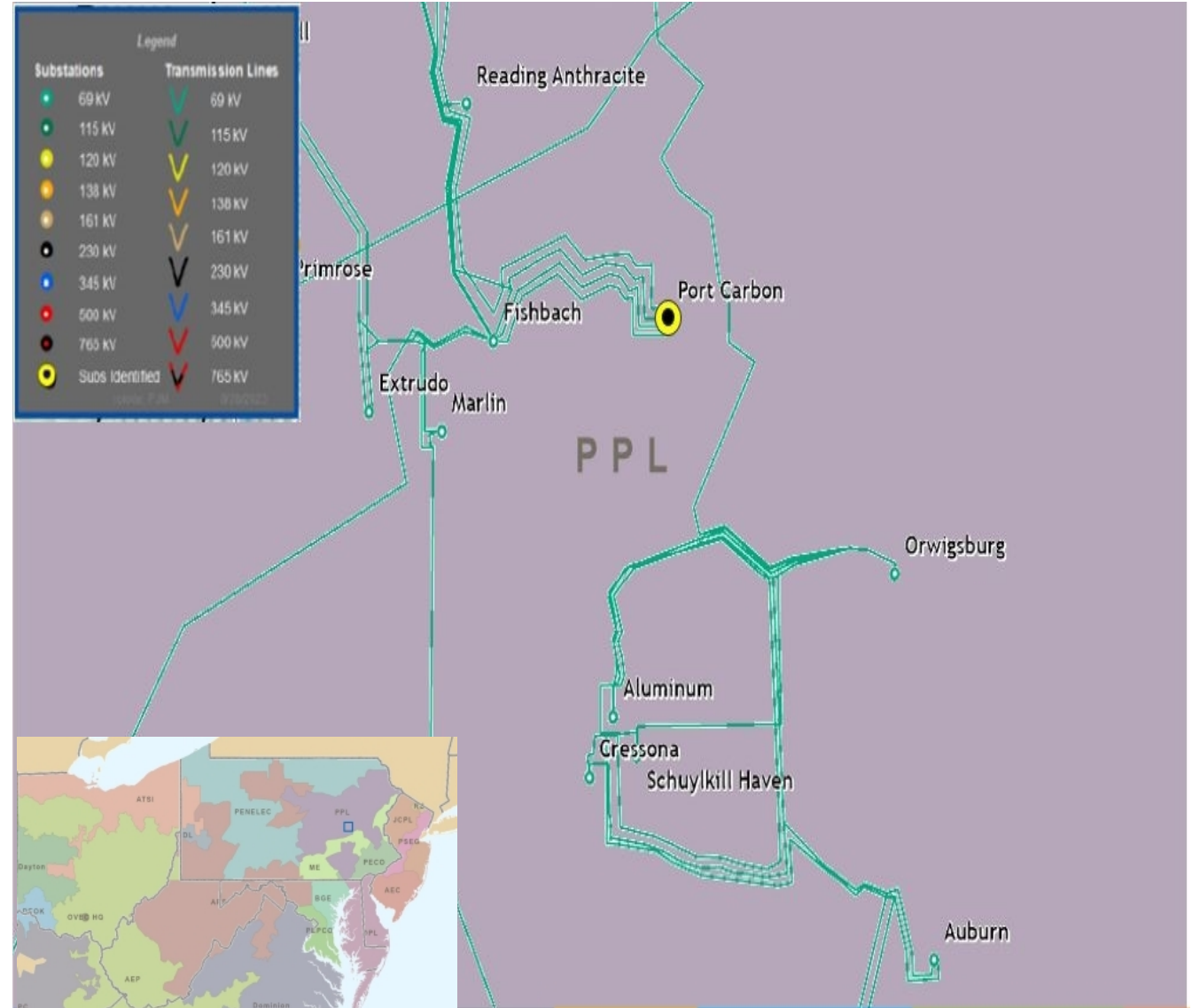
**Previously Presented:** Need Meeting  
03/18/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 Annual Assumptions

## Problem Statement:

PPL Distribution is requesting to connect an existing on-site spare transformer at the Port Carbon 69-12kV to improve operational flexibility and reliability. Requested in-service 11/30/2028.





# PPL Transmission Zone: Supplemental Port Carbon, PA

**Need number(s):** PPL-2026-0026

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**Port Carbon Tap:** Extend the existing Port Carbon Tap 2 ~2.5 miles from Frackville - Orwigsburg 2 69kV line to Port Carbon Substation transformer bay 2 position. Utilize 556 ACSR. .

Estimated Cost: \$7.2 M

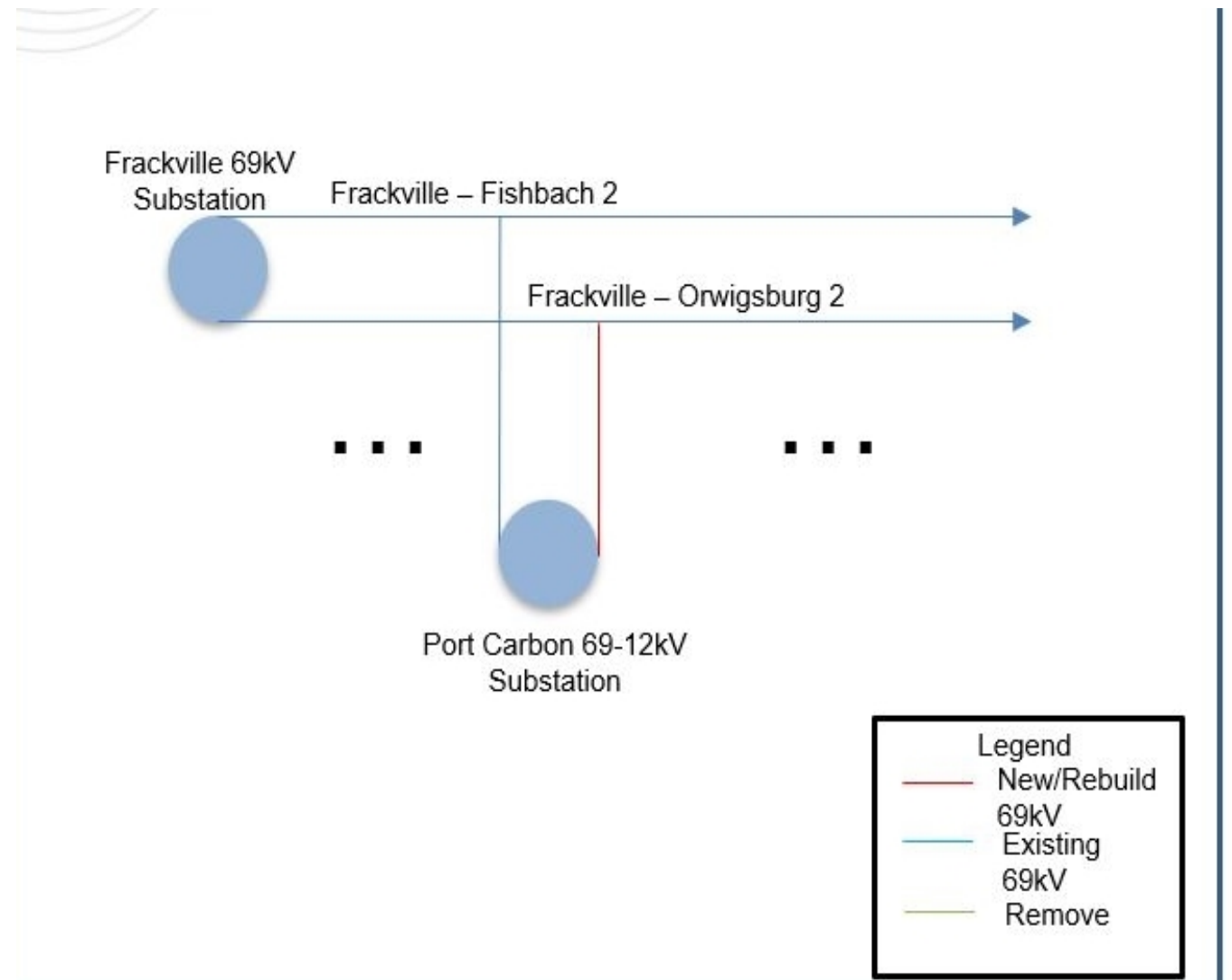
**Transmission Cost Estimate:** \$7.2 M

**Alternatives Considered:**

N/A

**Projected In-Service:** 11/30/2028

**Project Status:** Conceptual





# PPL Transmission Zone: Supplemental Allentown, PA

**Need Number:** PPL-2026-0033

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

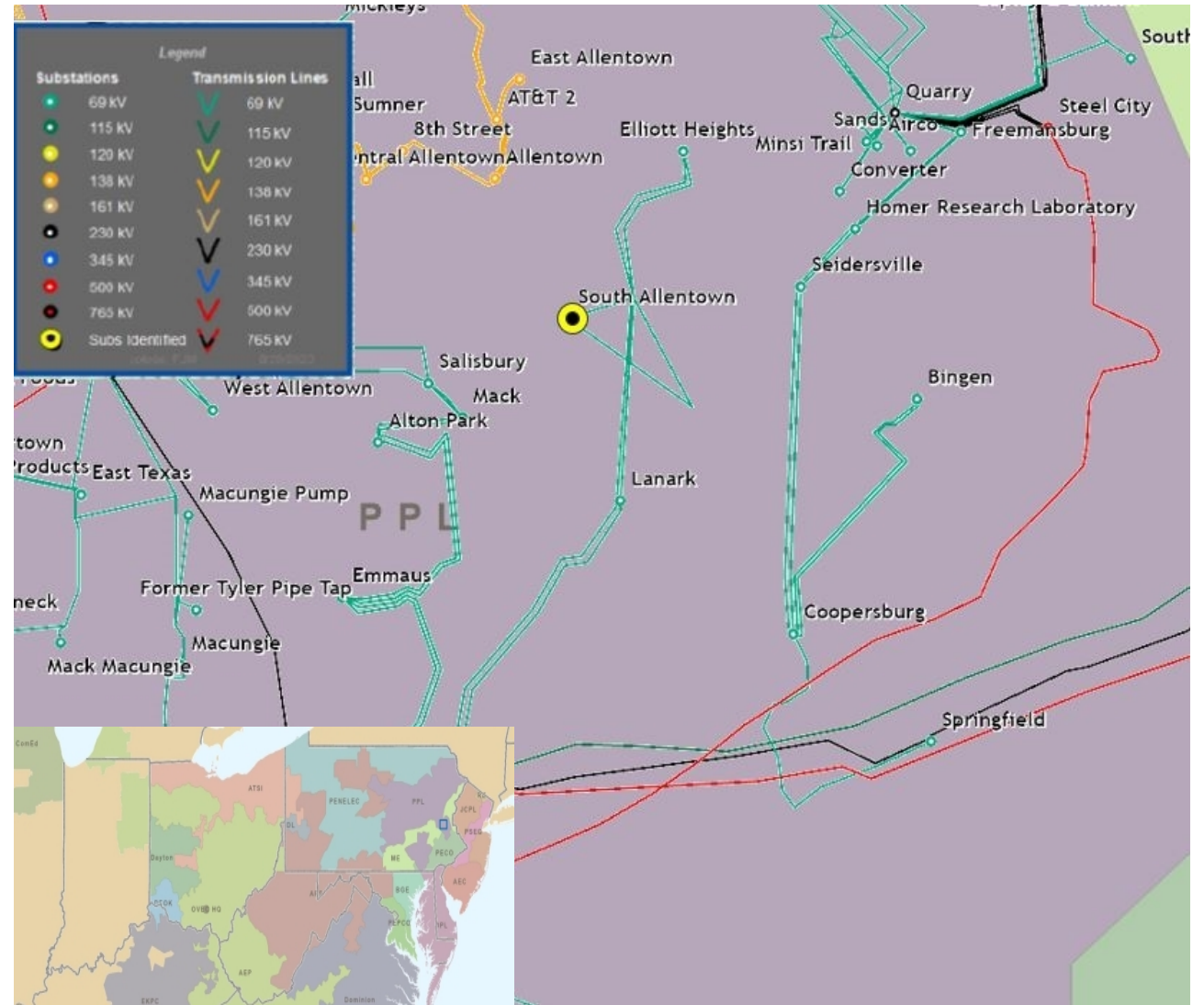
**Previously Presented:** Need Meeting  
04/14/2026

**Project Driver:** Customer Service

**Specific Assumption References:**  
PPL 2026 ANNUAL ASSUMPTIONS

## Problem Statement:

PPL Distribution is requesting to feed the South Allentown 69-12kV Substation from an additional source to improve operational flexibility and reliability. Requested in-service 11/30/2026.





# PPL Transmission Zone: Supplemental Allentown, PA

**Need number(s):** PPL-2026-0033

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**South Allentown Tap:** Tap the existing Hosensack-Quarry #2 line and extend 0.5 miles to the Hosensack 2 South Allentown Tap. Utilize 556 ACSR..  
Estimated Cost: \$3.6 M

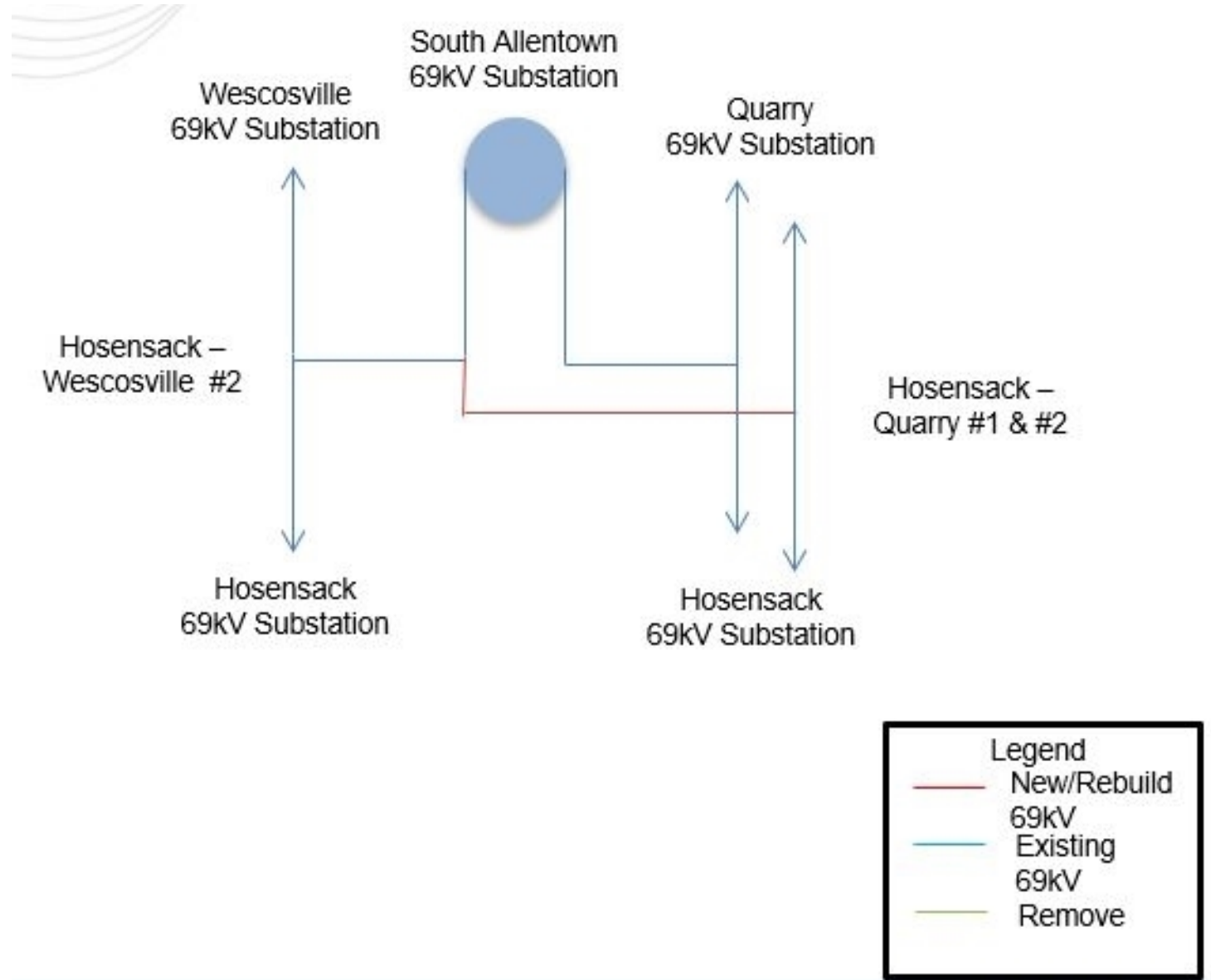
**Transmission Cost Estimate:** \$3.6 M

**Alternatives Considered:**

Install a normally open switch between South Allentown T1 and T2. This solution was deemed less reliable and limit operational flexibility.

**Projected In-Service:** 01/30/2028

**Project Status:** Conceptual





PPL Electric Utilities

# PPL Transmission Zone: Supplemental Quarry, PA

**Need Number:** PPL-2026-0034

**Process Stage:** Solution Meeting

SRRTEP-MA - 05/14/2026

**Previously Presented:** Need Meeting 04/14/2026

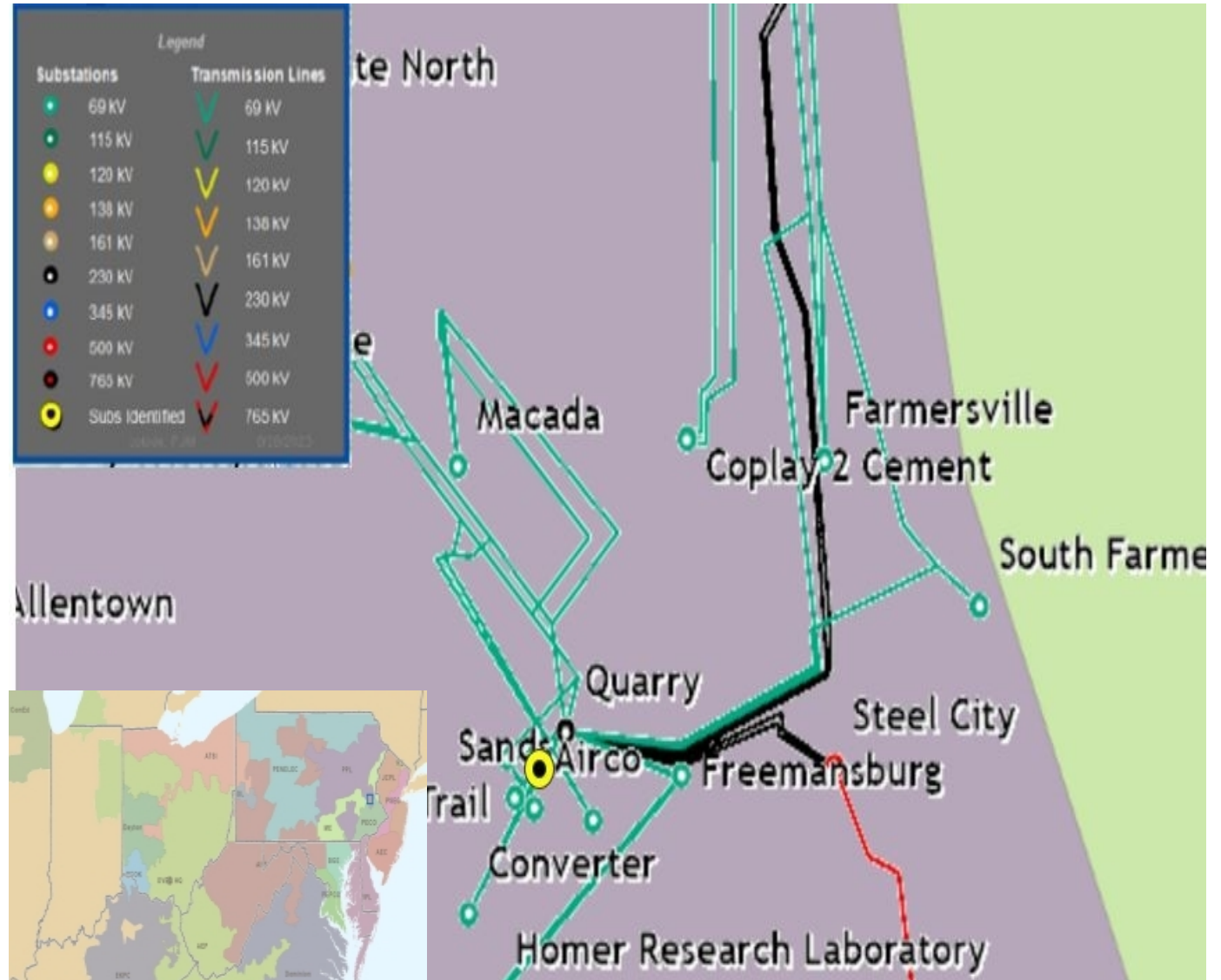
**Project Driver:** Equipment Condition/Performance/Risk

**Specific Assumption References:** PPL 2026 Annual Assumptions

## Problem Statement:

The Quarry-Sands #1 & #2 69kV line currently uses Copperweld conductor. Copperweld conductor historically has shown to fail elongation tests due to galvanic corrosion and has shown risks of strands breaking. Additionally, an overwhelming majority of the aging lattice structures on the line are rated to be in poor or severe condition.

SRRTEP : Mid-Atlantic – PPL Supplemental 05/14/2026





# PPL Transmission Zone: Supplemental Allentown, PA

**Need number(s):** PPL-2026-0034

**Process Stage:** Solution Meeting  
SRRTEP-MA - 05/14/2026

**Proposed Solution:**

**Quarry-Sands 1 & 2 Copperweld replacement:** Rebuild 0.5 miles of the Quarry-Sands 1 & 2 lines. Utilize 556 ACSR. . Estimated Cost: \$1.3 M

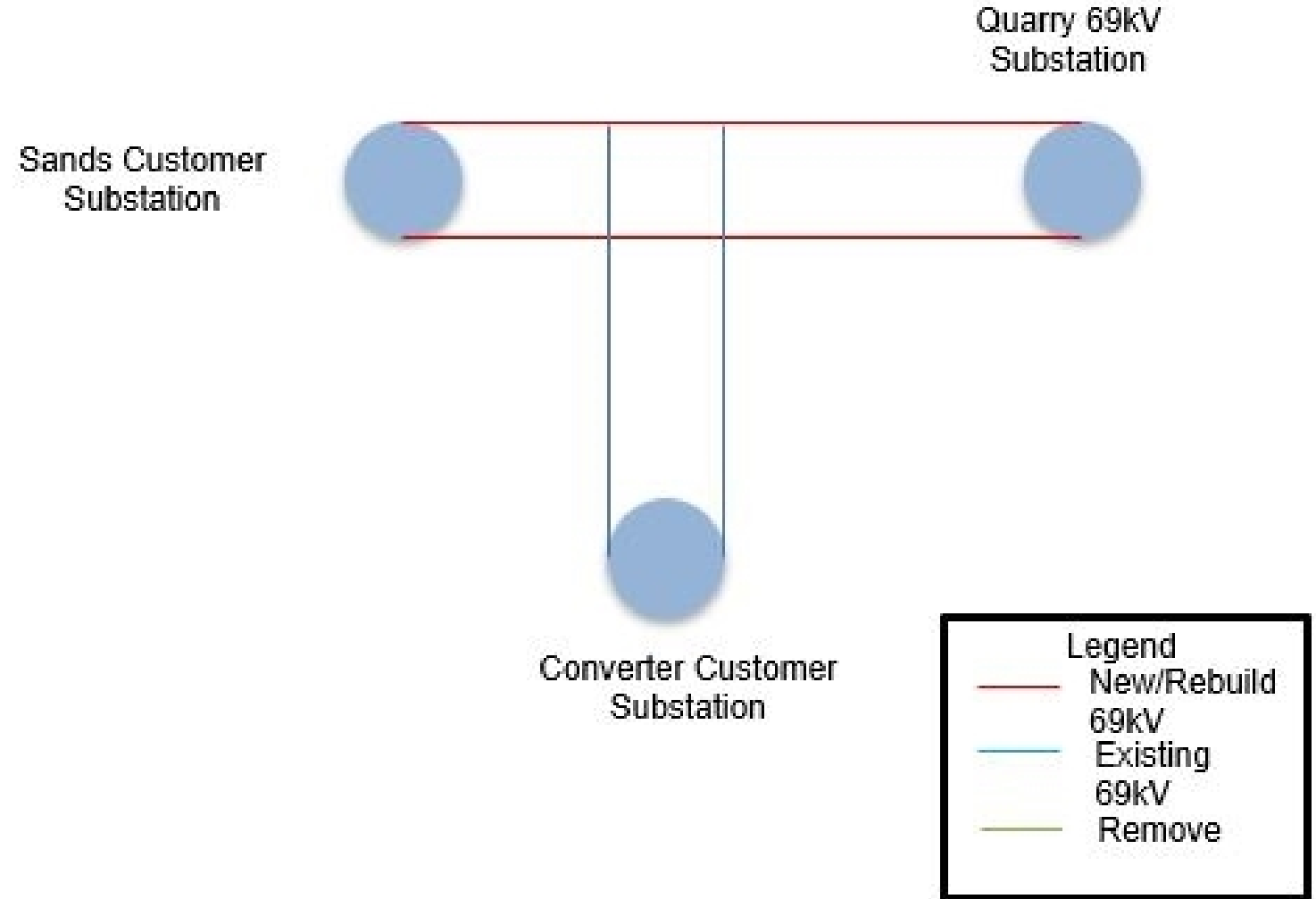
**Transmission Cost Estimate:** \$1.3 M

**Alternatives Considered:**

N/A

**Projected In-Service:** 11/30/2029

**Project Status:** Conceptual



# 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

5/4/2026 – V1 – Original version posted to pjm.com

5/7/2026 – V2 – 1 solution withdrawn by TO