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

April 14th, 2026

Scope Change

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

Supplemental #: S3781

Meeting Date: 4/14/2026

Process Stage: Solution

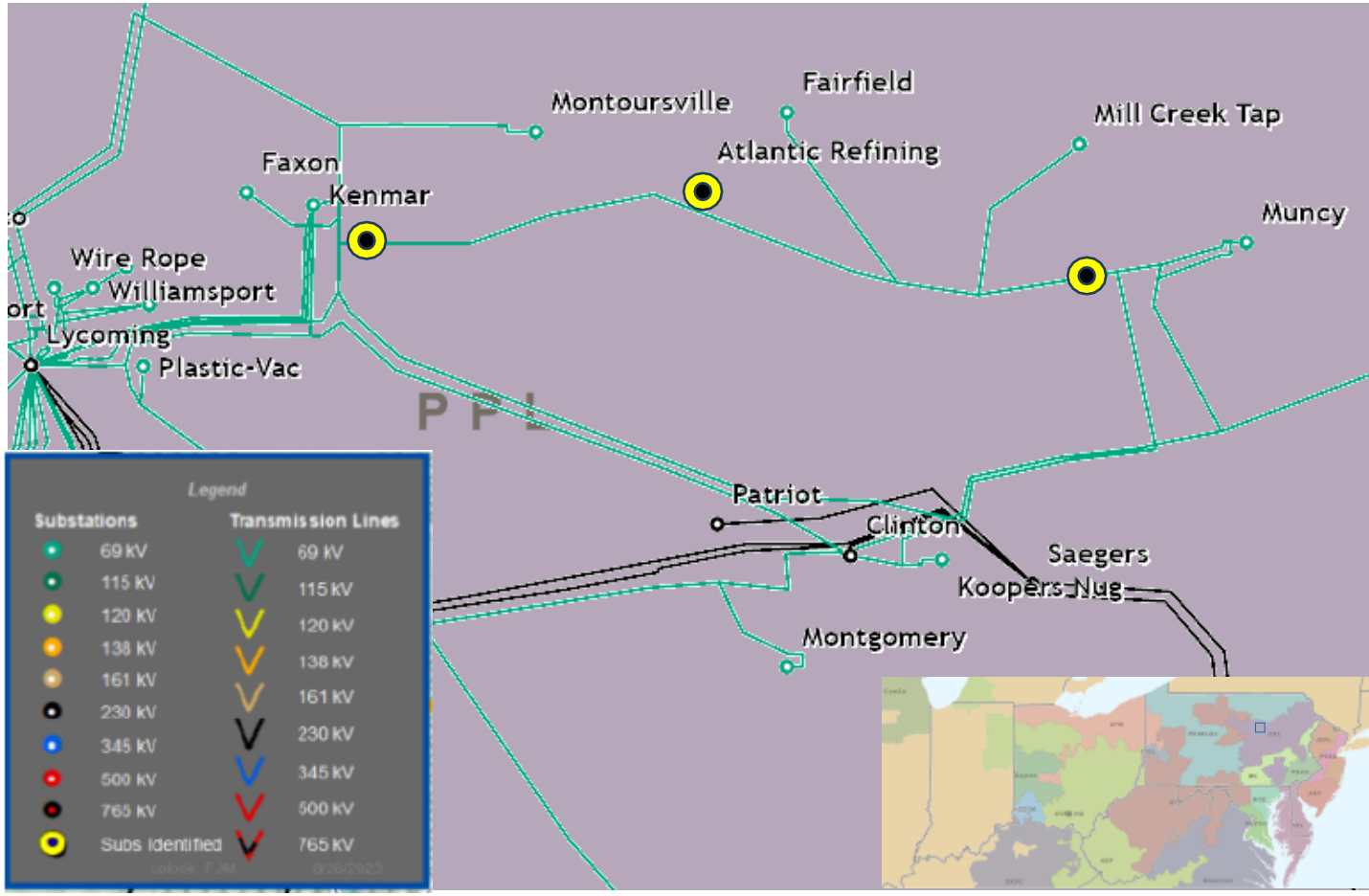
Solution Presented: 10/16/2025

Supplemental Project Driver: Equipment Material Condition, Performance and Risk

Problem Statement:

The Lycoming-Muncy 2 Tie 69kV line is a reliability risk due to poor asset health. The line is in poor condition with the original assets installed in 1954. The line consists of 120 vintage wood poles, 2 towers, and 102 steel poles. The line is comprised of #4/0 ACSR conductor, which was installed in 1954.

The Atlantic Refining Tap is comprised of copperclad steel conductor. Copperclad steel conductor has led to 39,903 momentary interruptions and 51,278 permanent interruptions since 2015.



Need Number(s): PPL-2019-006

Process Stage: Scope Change 4/14/2026 Solution Meeting SRRTEP MA – 10/16/2026

Proposed Solution:

Original Scope:

Rebuild 9.6 miles of the Lycoming 2-Muncy line as single circuit-future double 69kV line.

Additional Scope: Rebuild 0.4 miles of the Atlantic Refining Tap. Utilize 556 kcmil ACSR Conductor.

Transmission Cost Estimate: ~~$30M~~ $31M

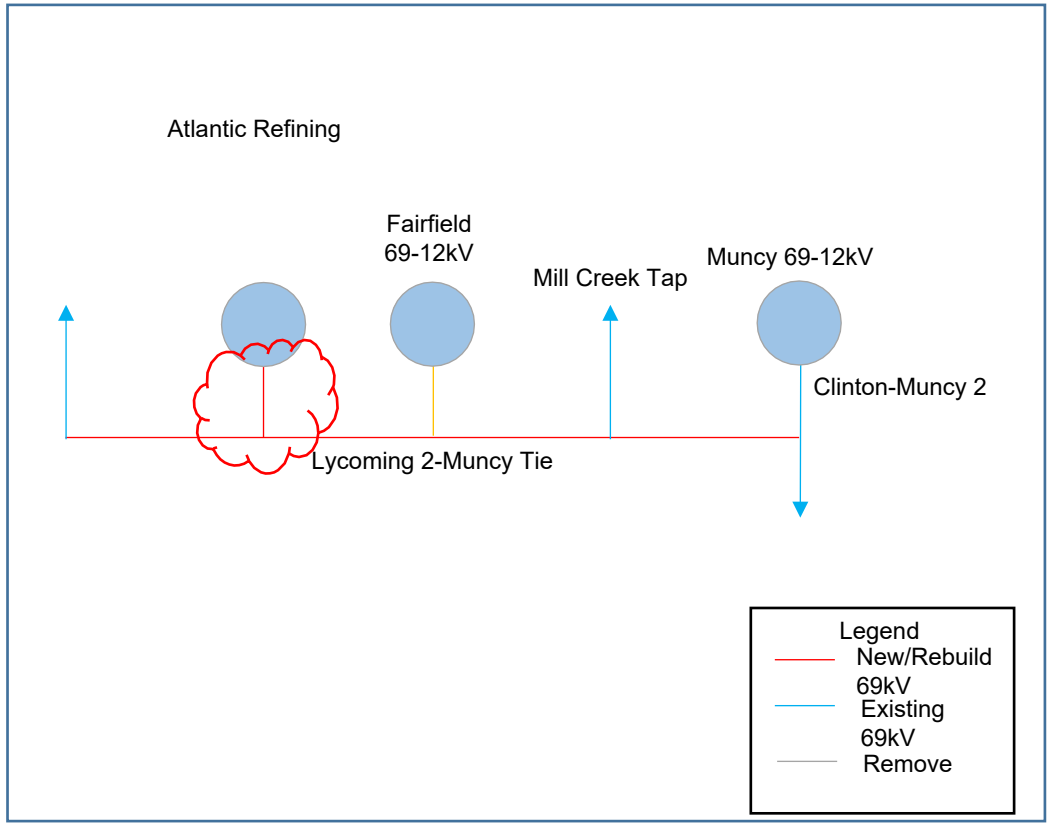
Alternatives Considered:

N/A

Projected In-Service: 12/31/2028

Project Status: Conceptual

Model: 2028



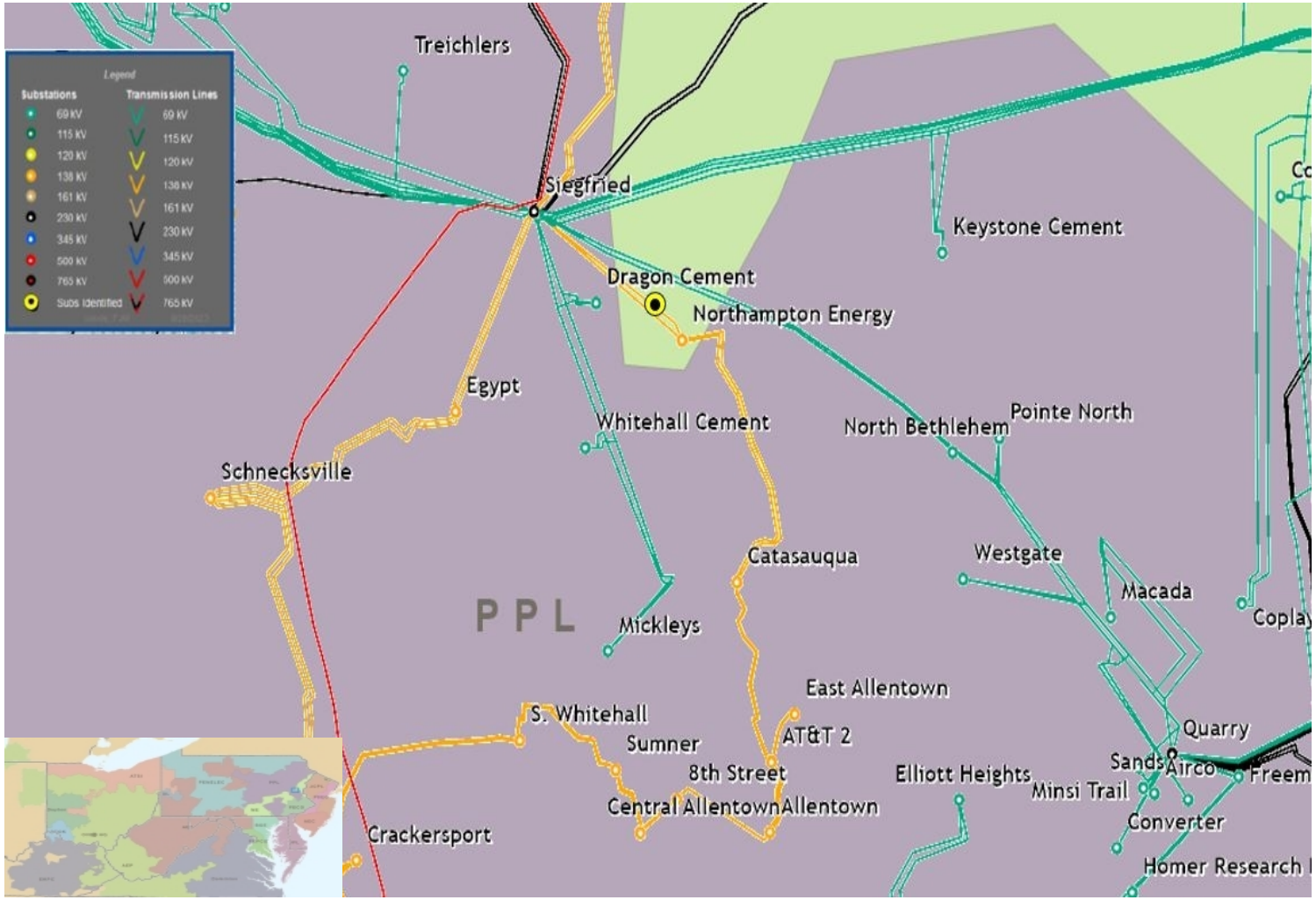
Needs

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 North Hampton, PA

Need Number: PPL-2026-0015
Process Stage: Need Meeting 04/14/2026
Project Driver: Customer Service
Specific Assumption References: PPL 2026 Annual Assumptions

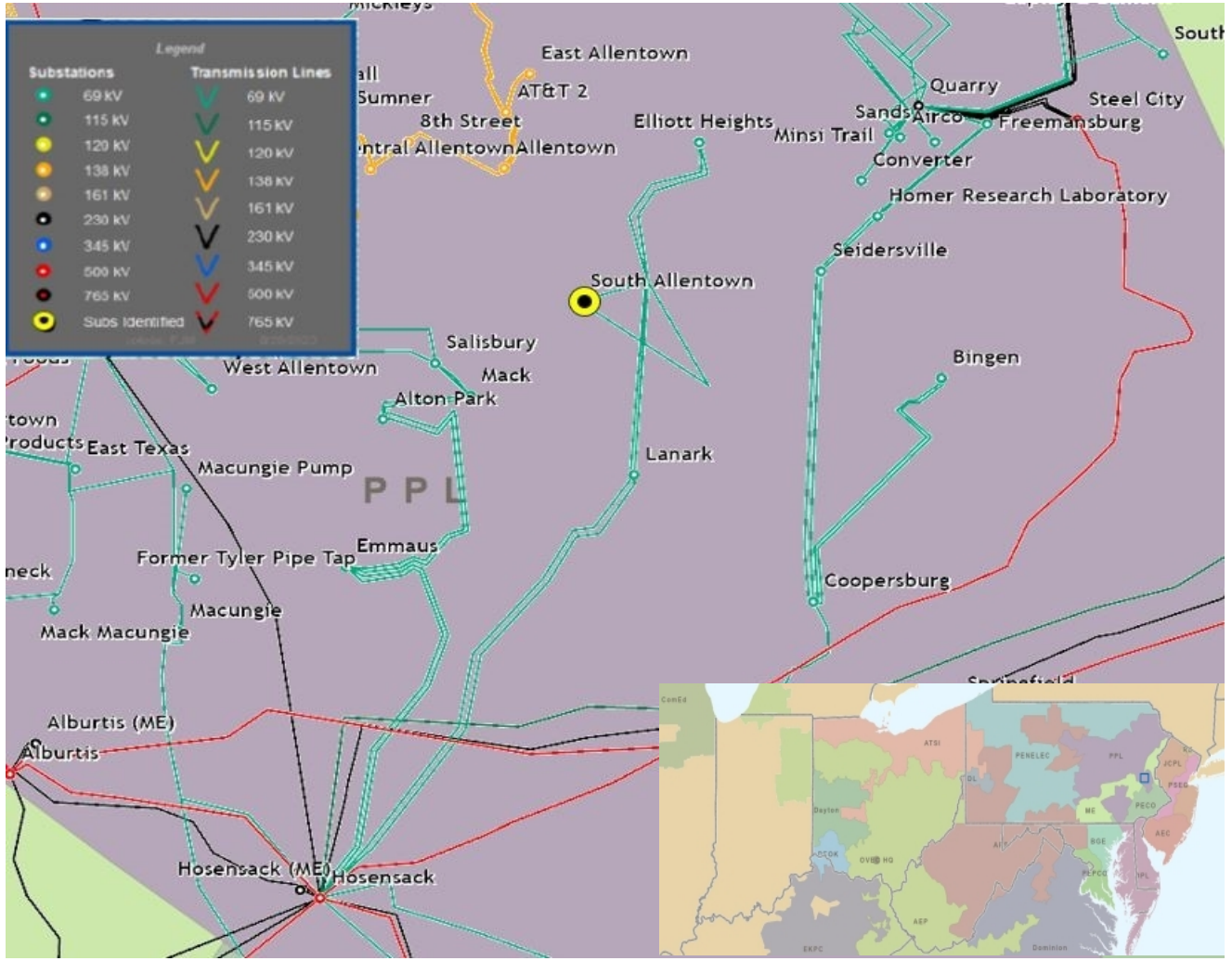
Problem Statement:
A customer has submitted a request to have their facility served from a 138kV source in Northampton, PA. The requested 138kV service from these taps is for 100 MW.



PPL Transmission Zone: Supplemental South Allentown, PA

Need Number: PPL-2026-0033
Process Stage: Need Meeting 04/14/2026
Project Driver: Customer Service
Specific Assumption References: PPL 2026 ANNUAL ASSUMPTIONS

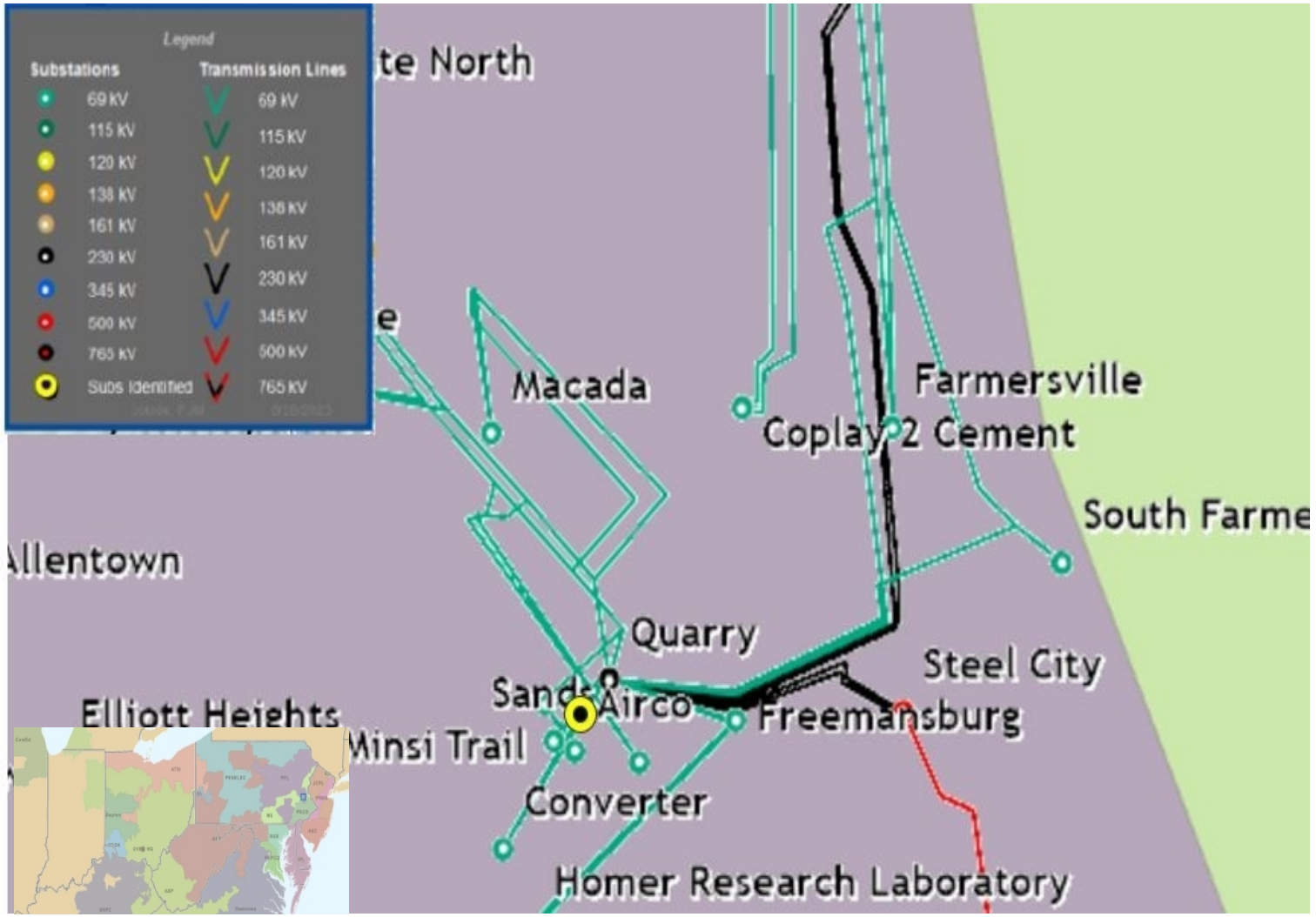
Problem Statement:
PPL Distribution is requesting to feed the South Allentown 69-12kV Substation from an additional source to improve operational flexibility and reliability. Requested in-service 11/30/2026.



PPL Transmission Zone: Supplemental Quarry, PA

Need Number: PPL-2026-0034
Process Stage: 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.



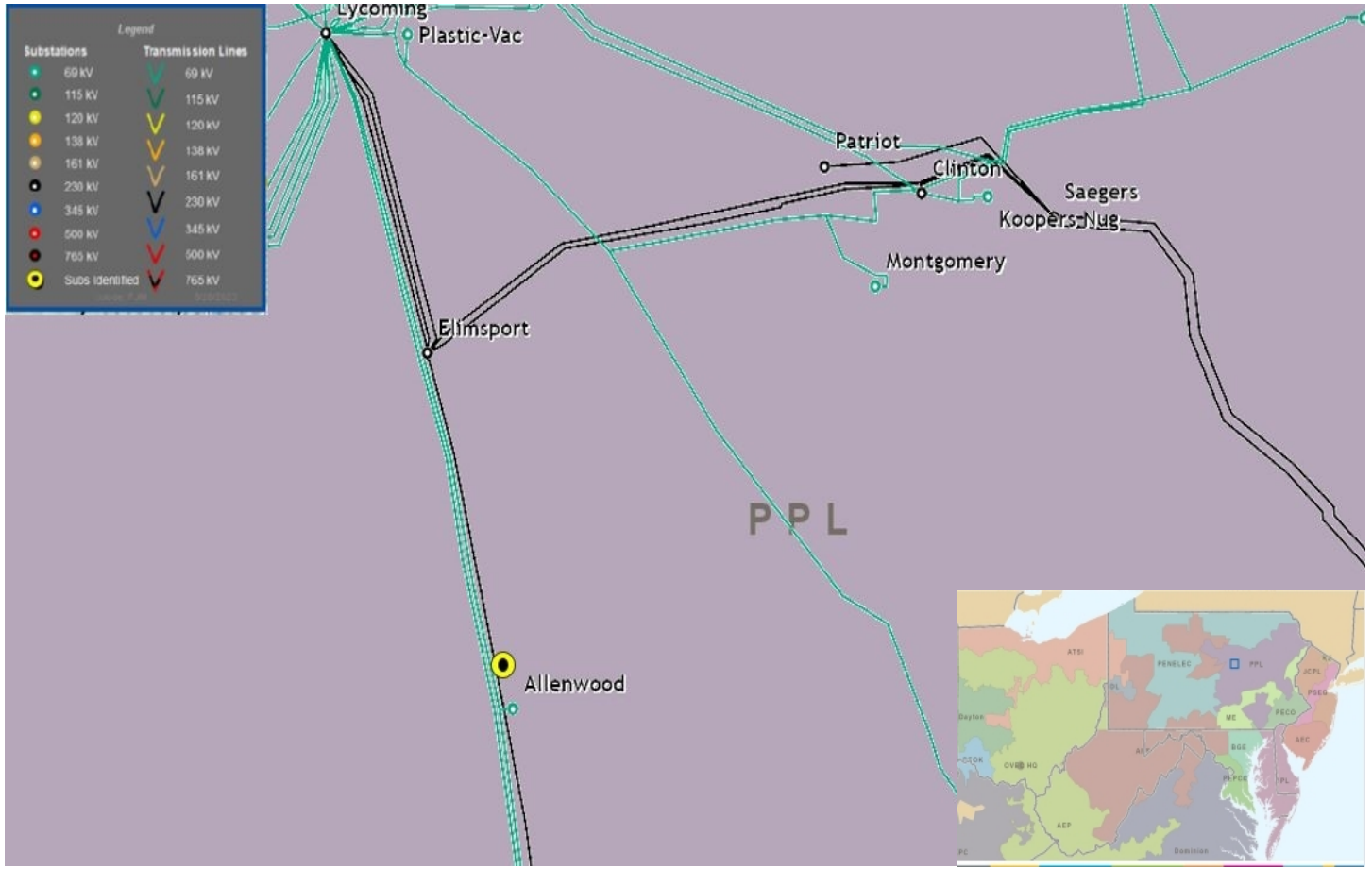
Solutions

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 Allenwood, PA

Need Number: PPL-2026-0016
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
Previously Presented: Need Meeting 03/18/2026
Project Driver: Customer Service
Specific Assumption References: PPL 2026 Annual Assumptions

Problem Statement:
Customer has submitted a request to have their facility serviced from a 69kV source in Allenwood, PA. The load will be temporary 60MW. The requested in-service date is 7/31/2027.

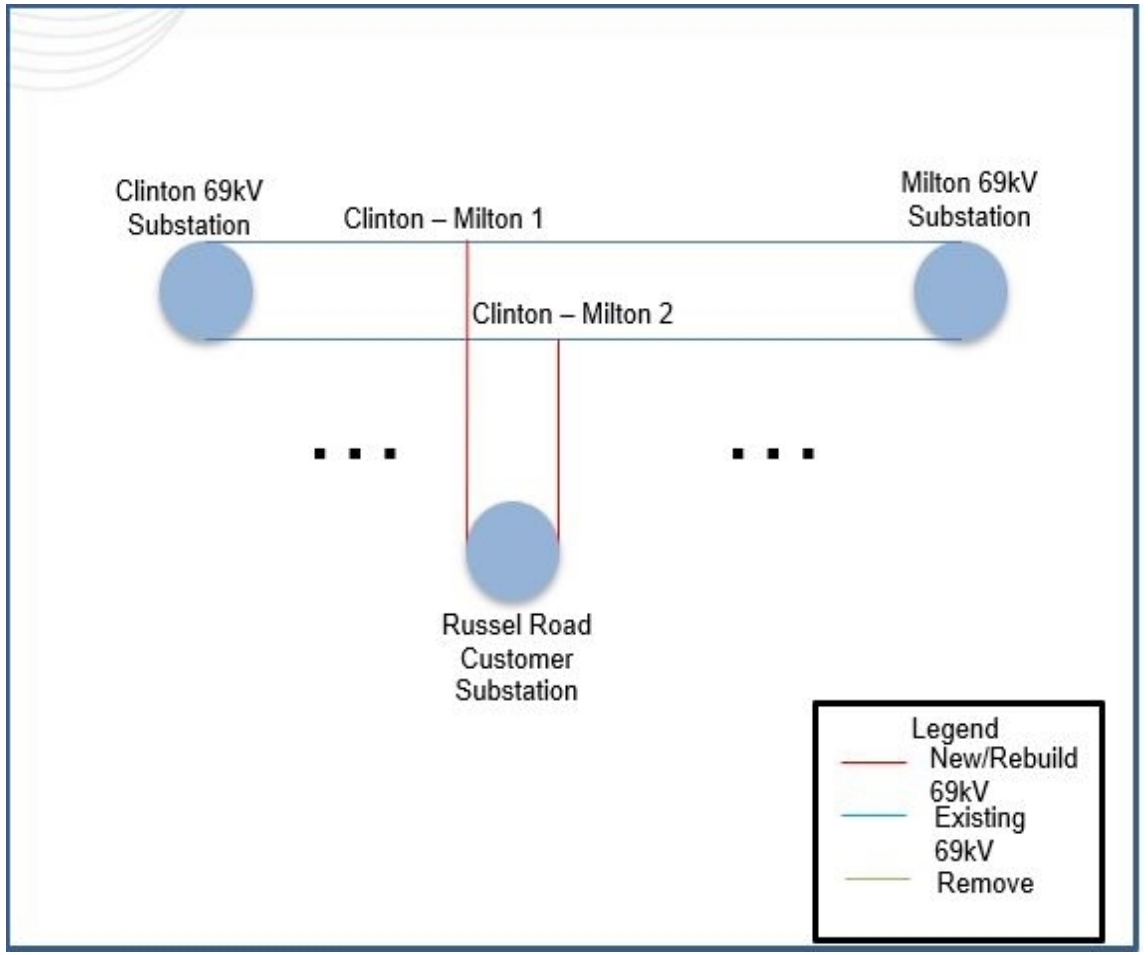


PPL Transmission Zone: Supplemental Allenwood, PA

Need number(s): PPL-2026-0016
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
Proposed Solution:
Russel Road Tap: Tap existing Clinton - Milton 1 and 2 69kV lines. Extend two new circuits, approximately 0.1 miles to Customer Station. Utilize 556 ACSR. Estimated Cost: $3.25 M

Transmission Cost Estimate: $3.25 M
Alternatives Considered:
N/A

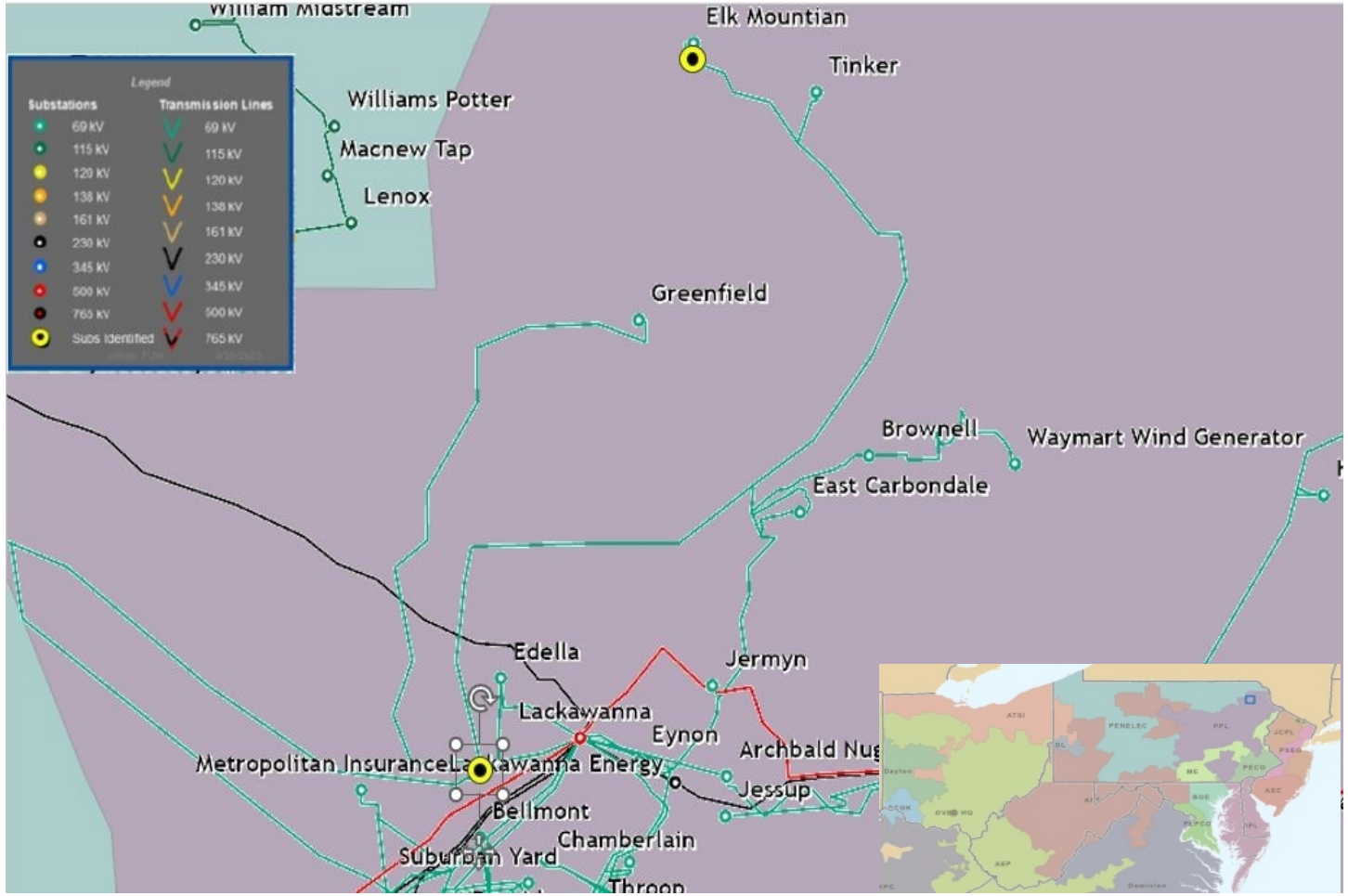
Projected In-Service: 07/31/2027
Project Status: Conceptual



PPL Transmission Zone: Supplemental Tinker, PA

Need Number: PPL-2026-0017
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
Previously Presented: Need Meeting 03/18/2026
Project Driver: Operational Flexibility and Efficiency
Specific Assumption References: PPL 2026 Annual Assumptions

Problem Statement:
Tinker and Elk Mountain Distribution substations are susceptible to stranded load and momentary outages due to the single transmission line design.
Requested in-service date is 11/30/2029.

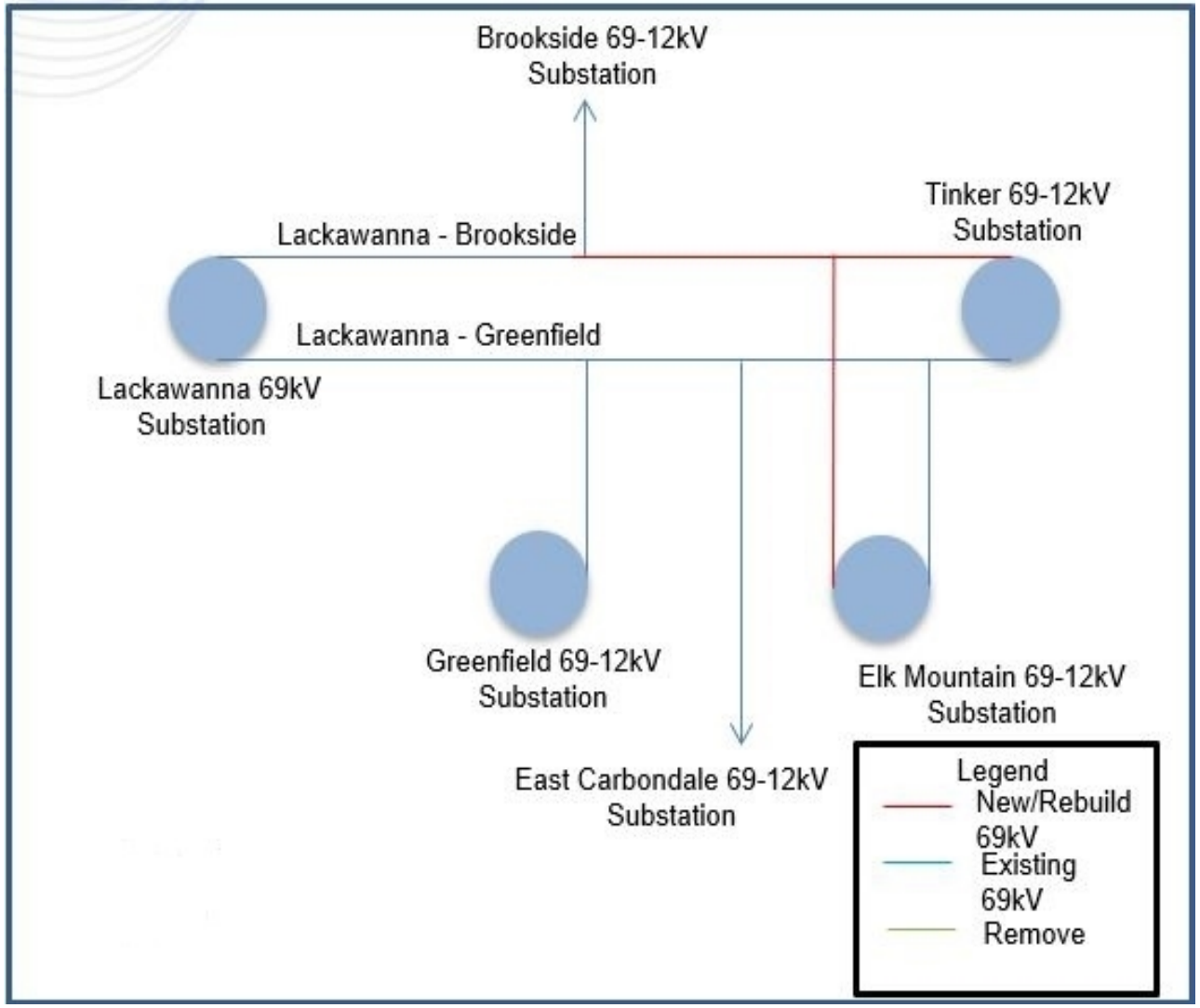


PPL Transmission Zone: Supplemental Tinker, PA

Need number(s): PPL-2026-0017
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
Proposed Solution:
Tink Tap Strengthening: Tap existing Lackawanna - Brookside 69kV line. Extend circuit as double circuit transmission line with existing Lackawanna - Greenfield, approximately 15.6 miles to Tinker 69-12kV Substation transformer bay 2. Utilize 556 ACSR . Estimated Cost: $34.6 M

Transmission Cost Estimate: $34.6 M
Alternatives Considered:
Tapping Lackawanna - East Carbondale 2 69kV line. This option does not allow for future flexibility for upgrades at Greenfield Substation. Estimated $32.0M

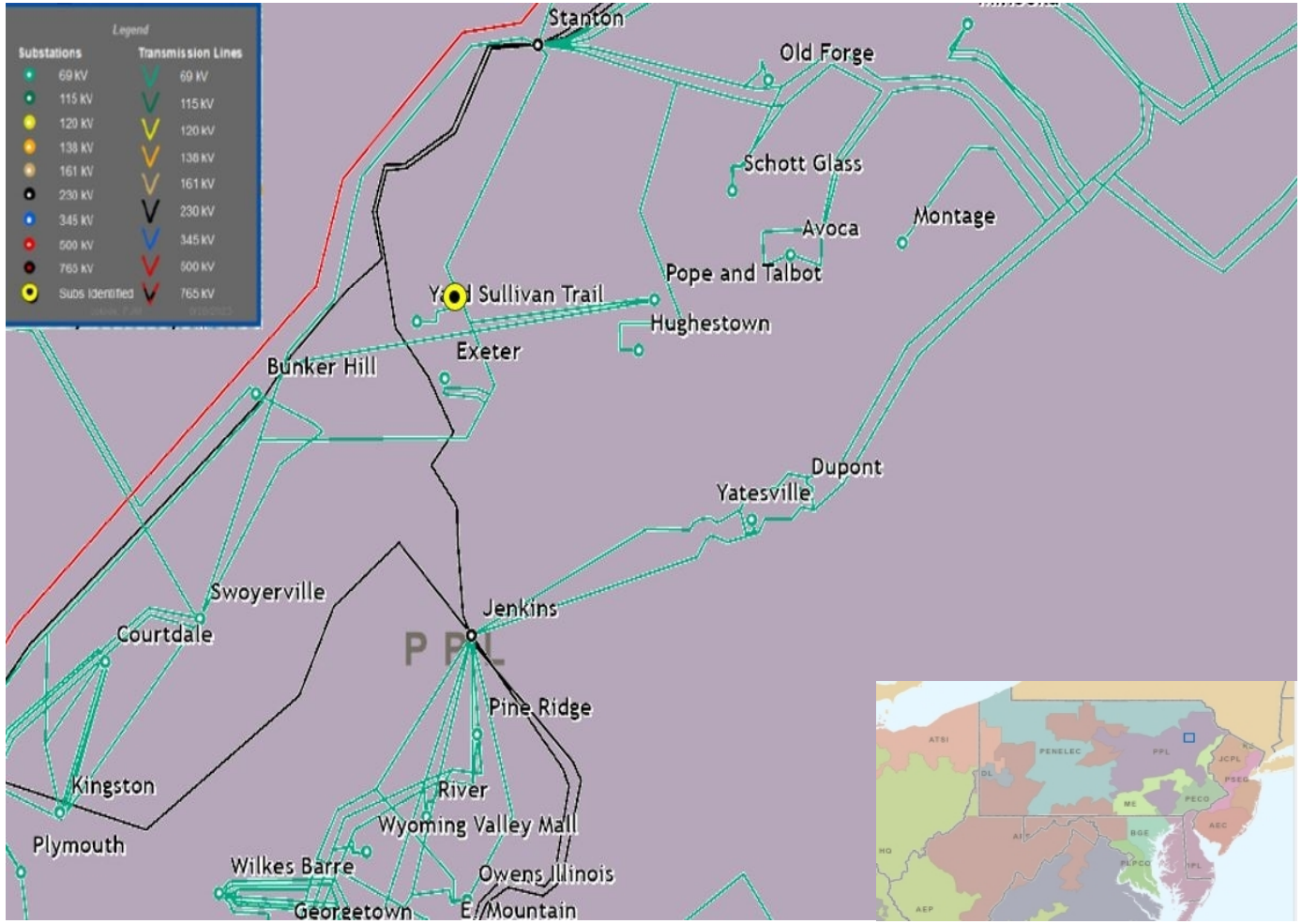
Projected In-Service: 11/30/2029
Project Status: Conceptual



PPL Transmission Zone: Supplemental
Yard Sullivan, PA

Need Number: PPL-2026-0020
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
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 Sullivan Trail 69-12kV Substation from an additional independent source to improve operational flexibility and reliability. Requested in-service 2/1/2027.

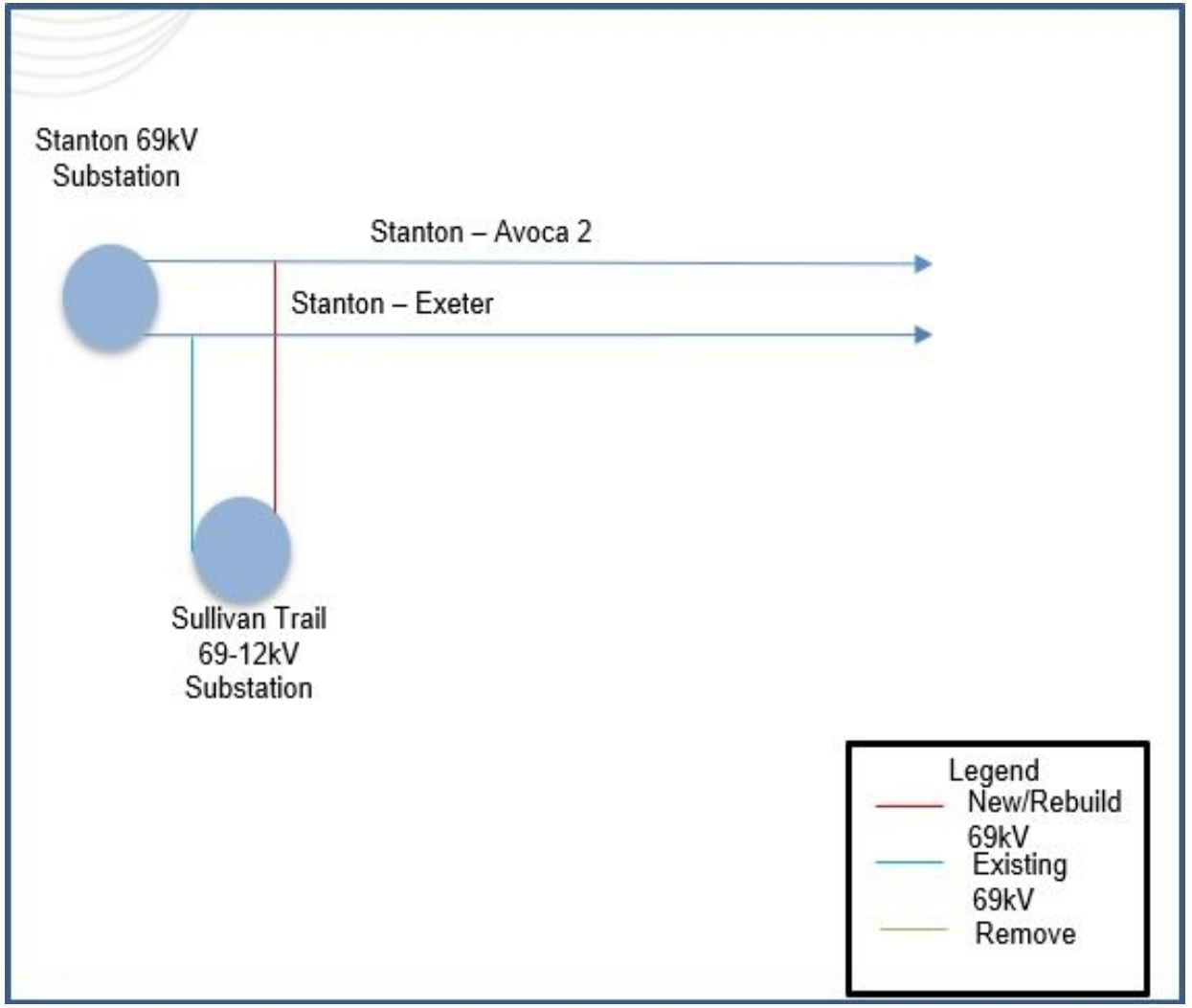


PPL Transmission Zone: Supplemental Yard Sullivan, PA

Need number(s): PPL-2026-0020
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
Proposed Solution:
Sullivan Trail Tap: Tap existing Stanton - Avoca 2 69kV line. Extend circuit 0.2 miles into to Sullivan Trail 69kV Substation transformer bay 2 (L) position. Utilize 556 ACSR . Estimated Cost: $1 M

Transmission Cost Estimate: $1 M
Alternatives Considered:
N/A

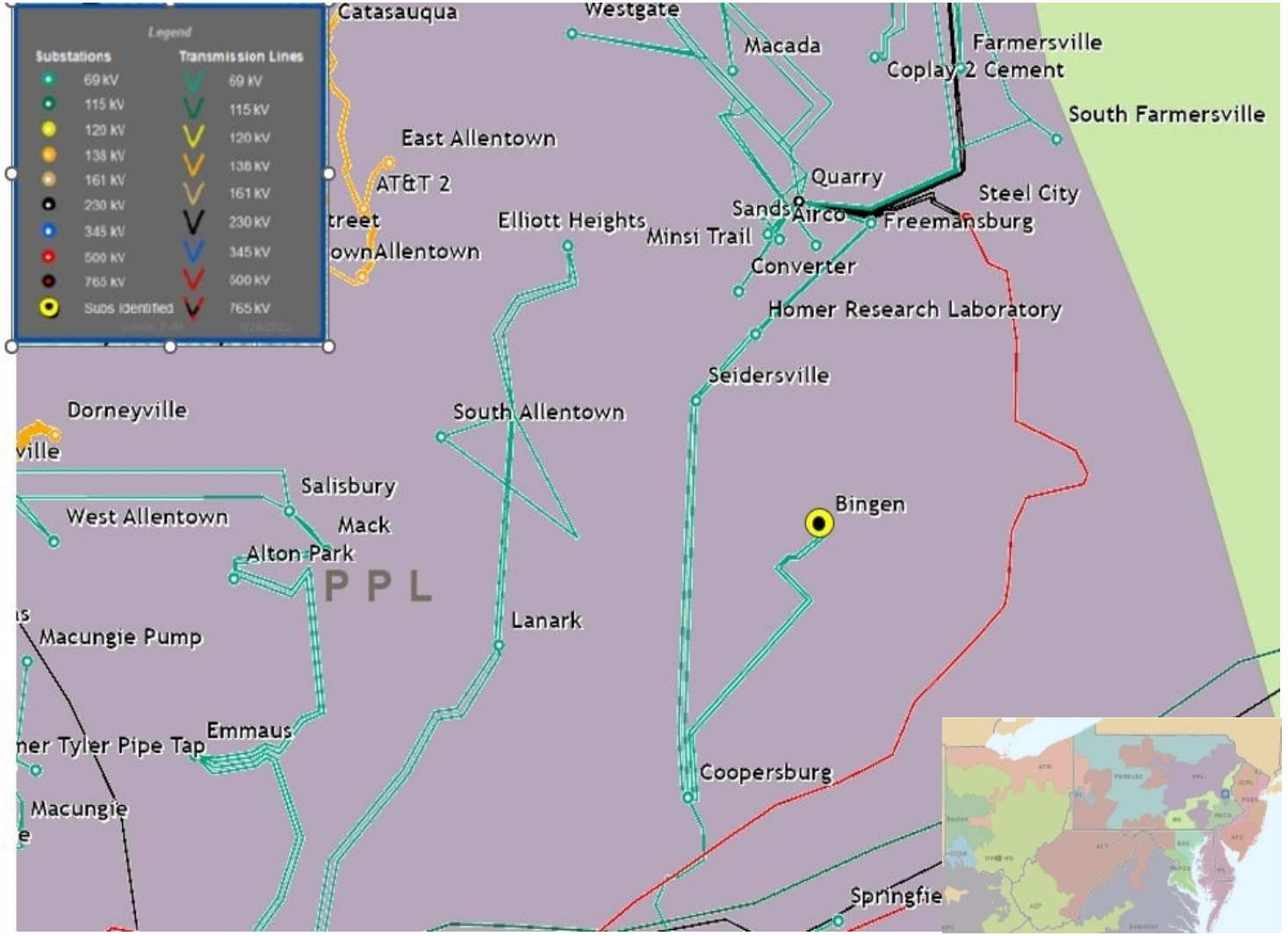
Projected In-Service: 02/01/2027
Project Status: Conceptual



PPL Transmission Zone: Supplemental Bingen, PA

Need Number: PPL-2026-0024
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
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 Bingen 69-12kV Substation from an additional source to improve operational flexibility and reliability. Requested in-service 11/30/2027.

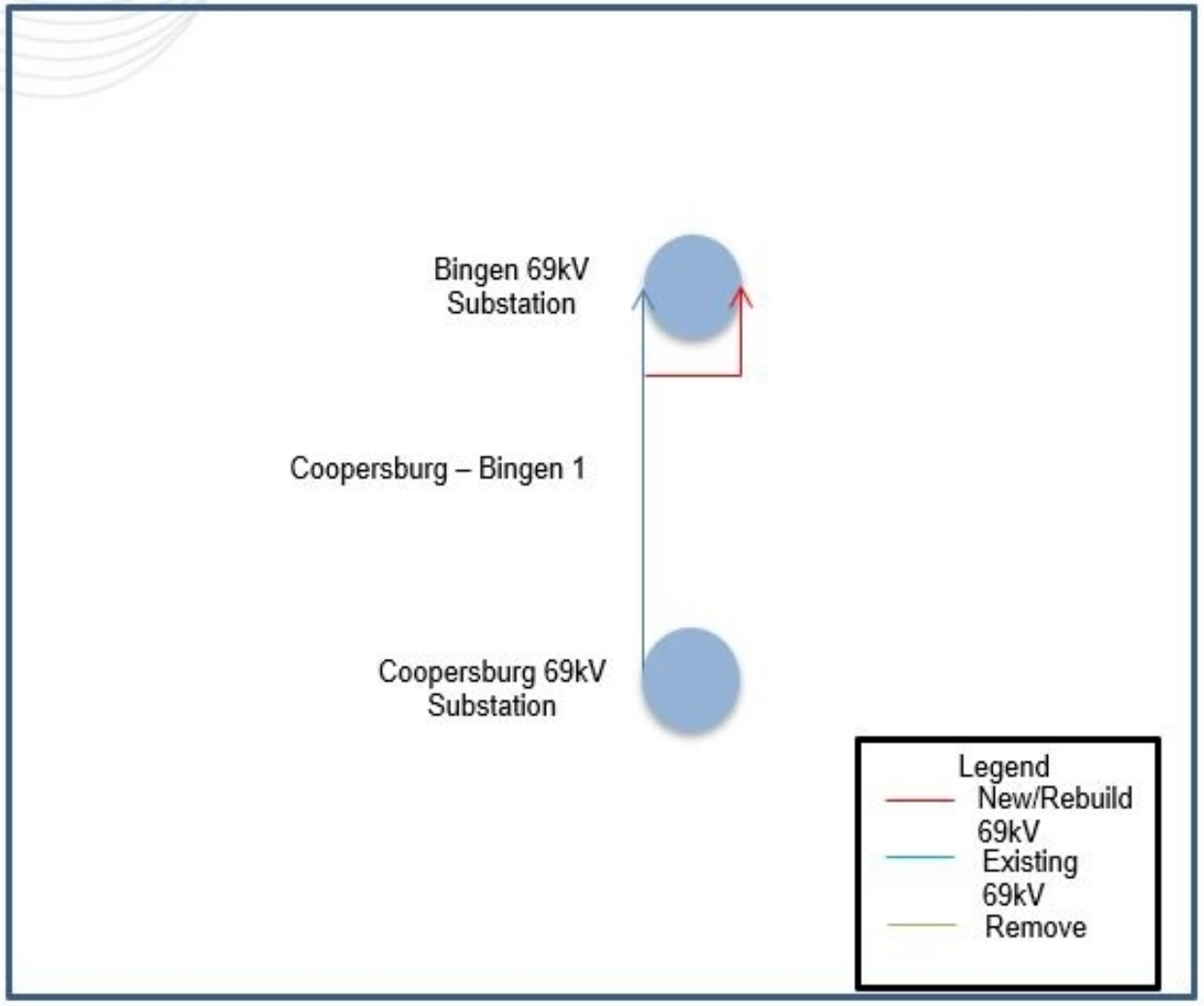


PPL Transmission Zone: Supplemental Bingen, PA

Need number(s): PPL-2026-0024
Process Stage: Solution Meeting SRRTEP-MA - 04/14/2026
Proposed Solution:
Bingen Tap 69kV: Tap the existing COOP-BING tie and extend the new transformer position at Bingen substation. Utilize 556 ACSR . Estimated Cost: $0.6 M

Transmission Cost Estimate: $0.6 M
Alternatives Considered:
Convert BING Tap and COOP-BING Tie to double circuit. This solution would significantly increase costs and environmental impacts due to new structure and additional ROW needed.

Projected In-Service: 11/30/2027
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

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