

Subregional RTEP Committee – Mid-Atlantic PPL Supplemental Projects

May 18th , 2023

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

Need Number: PPL-2023-0007

Meeting Date: 05/18/2023

Process Stage: Need

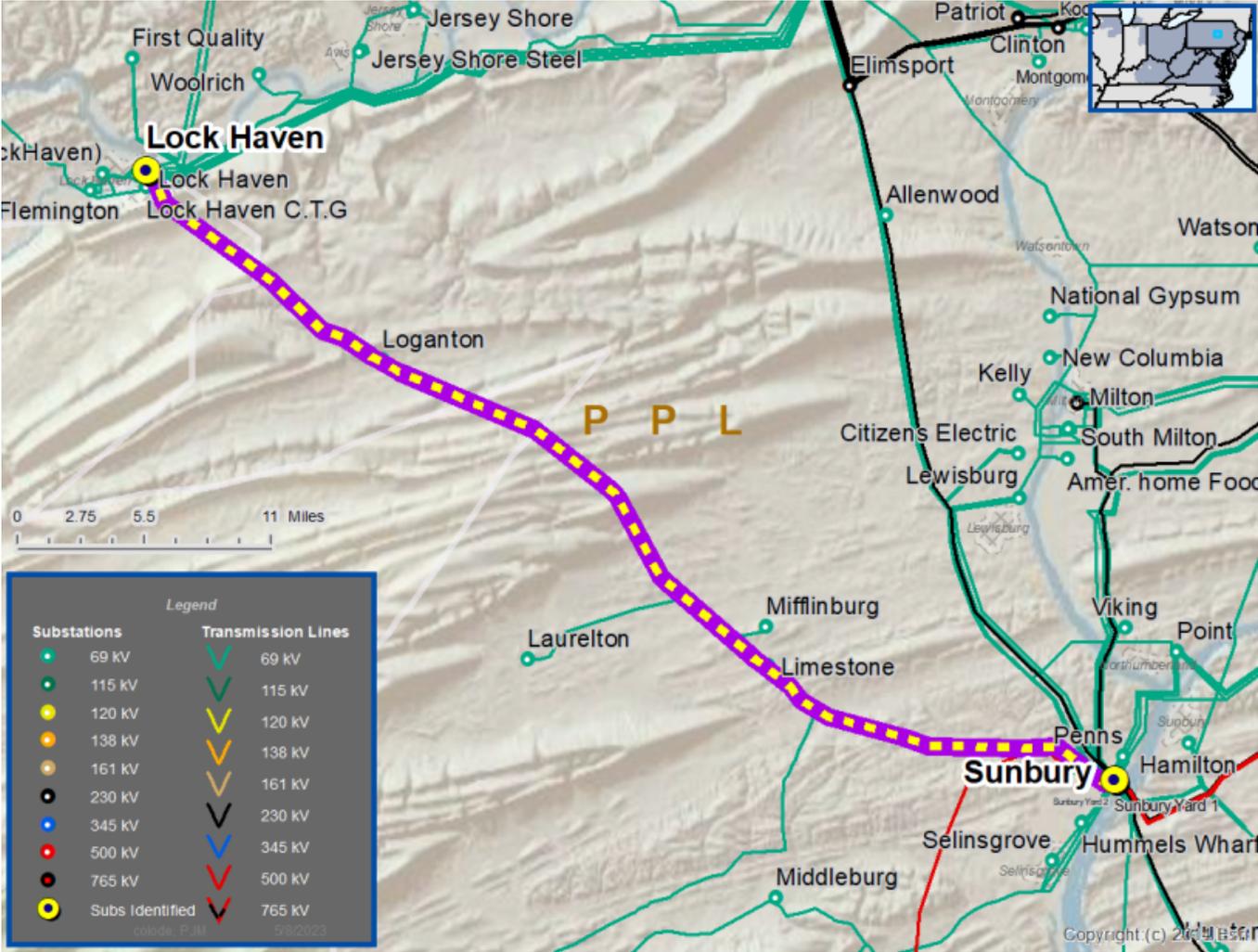
Supplemental Project Driver:
Equipment Material Condition, Performance, and Risk

Problem Statement:

The Sunbury-Lock Haven 69kV line is a reliability risk due to poor asset health. The line is in poor condition with the majority of the original assets installed in 1949. The structures are mostly wood poles with steel poles interspersed.

Specific Assumption References:

[PPL 2023 Annual Assumptions](#)



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

Need Number: PPL-2021-0003

Meeting Date: 5/18/2023

Process Stage: Solution

Need Slide Presented: 5/20/2021

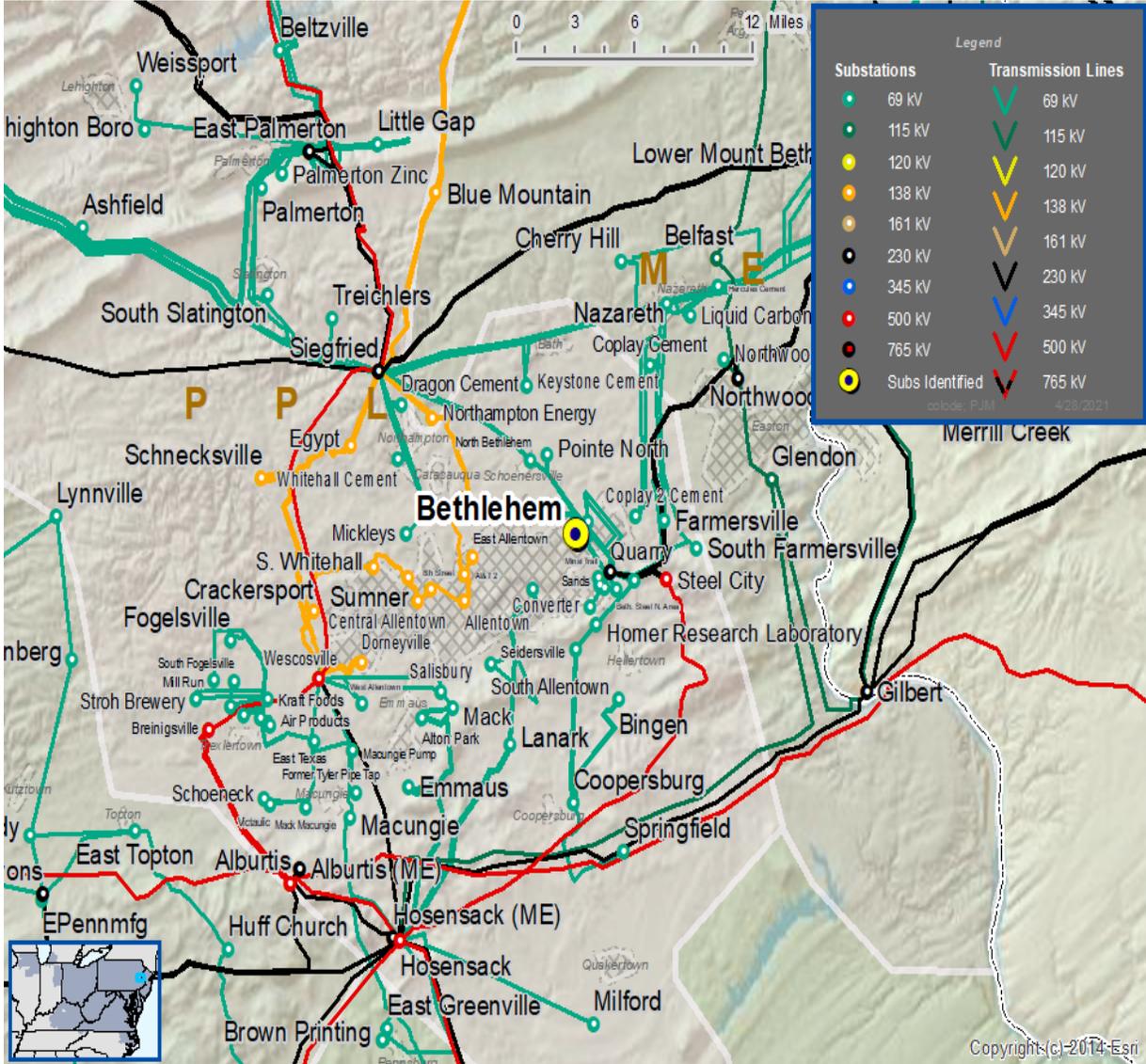
Supplemental Project Driver: Customer Service

Problem Statement:

PPL Distribution has requested a 69kV source to a new 69/12kV substation near Bethlehem PA due to load growth in the area.

Specific Assumption References:

[PPL 2023 Annual Assumptions](#)



PPL Transmission Zone: Supplemental

Need Number: PPL-2021-0003

Proposed Solution:

- Extend a new double circuit 69kV tap from the existing Hosensack – Quarry #1 & #2 69kV lines to interconnect the new Saucon Park 69-12.47kV substation. Build 0.1 miles of new 69kV double circuit line using 556 ACSR conductor. Initial loading of ~24MVA.

Alternatives Considered:

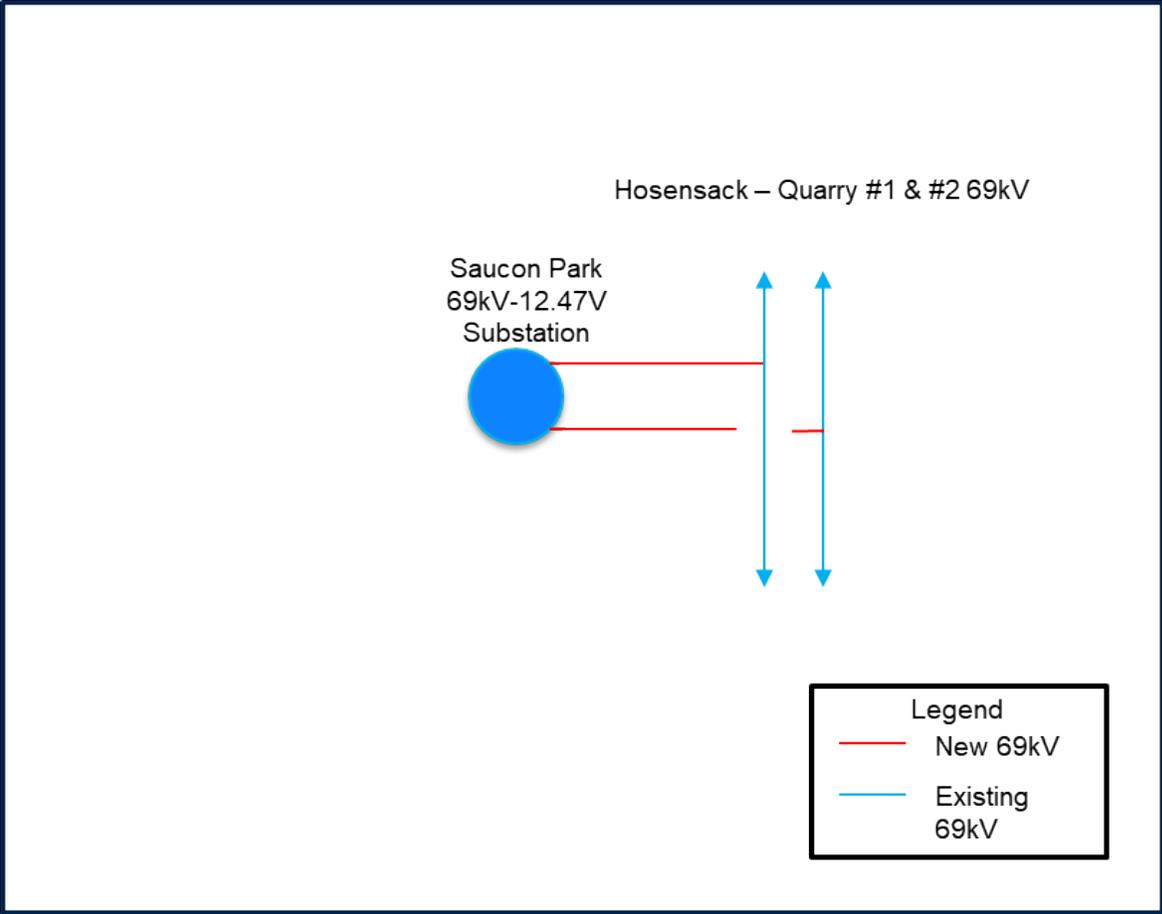
1. Tap another transmission line about 1 mile away and extend double circuit 69kV to the proposed substation. This alternative was rejected due to the higher cost and need for new ROW.

Estimated Project Cost: \$1.1M

Projected In-Service: 5/1/2025

Project Status: Conceptual

Model: 2025



PPL Transmission Zone: Supplemental

Need Number: PPL-2023-0006

Meeting Date: 5/18/2023

Process Stage: Solution

Need Slide Presented: 4/20/2023

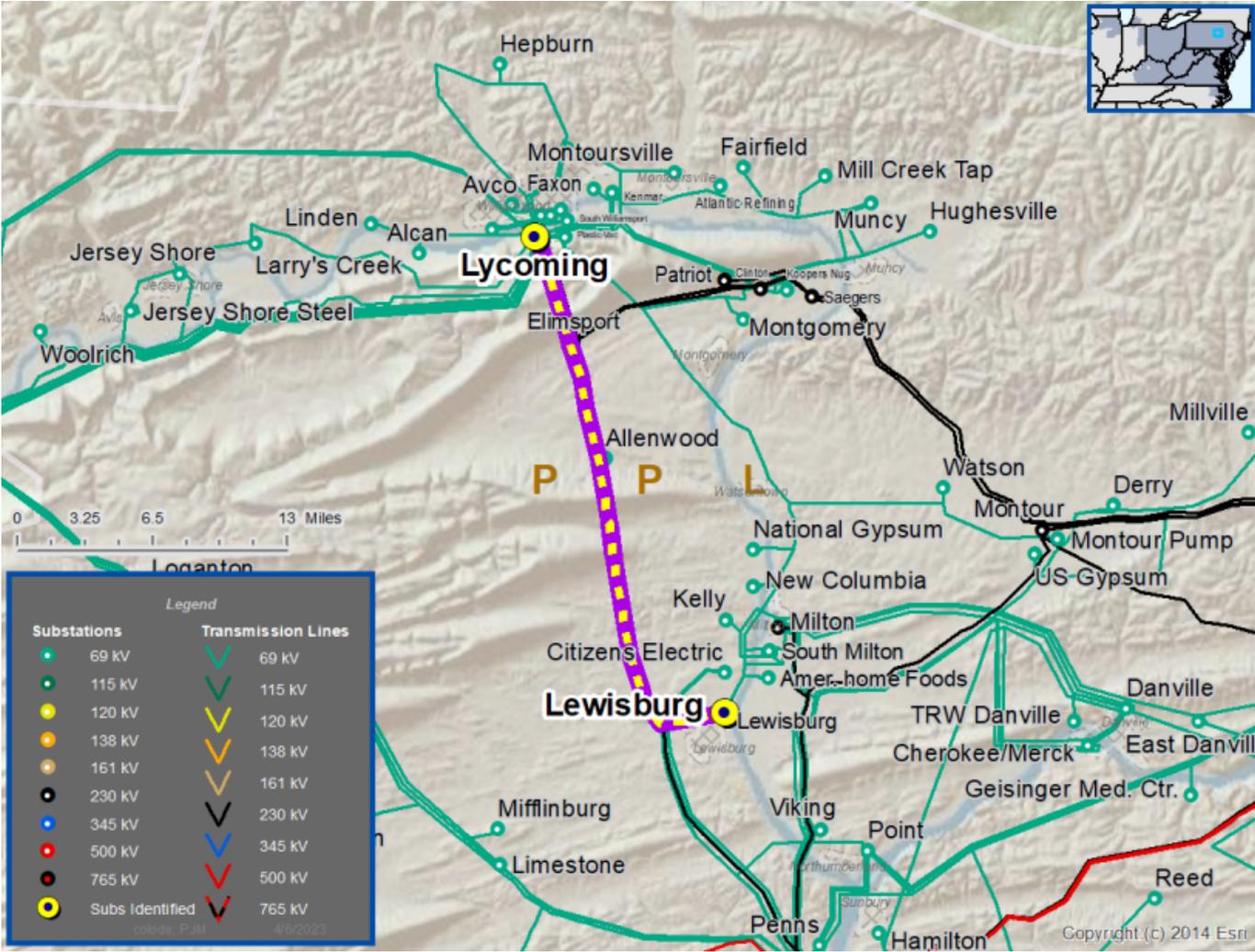
Supplemental Project Driver: Equipment Material Condition, Performance and Risk;

Problem Statement:

The Lycoming - Lewisburg 69kV Tap is a reliability risk due to poor asset health. The line is in poor condition with the original assets installed in 1945 (18.5 miles) with 266 kcmil ACSR conductor. The structures are mostly wood poles with steel poles interspersed.

Specific Assumption References:

[PPL 2023 Annual Assumptions](#)



Need Number: PPL-2023-0006

Proposed Solution:

- Remove 16.5 miles of the existing Lycoming – Lewisburg 69kV line. Remaining 2 miles will be rebuilt as part of s0968.4 and will become part of the Milton – Lewisburg line.

Alternatives Considered:

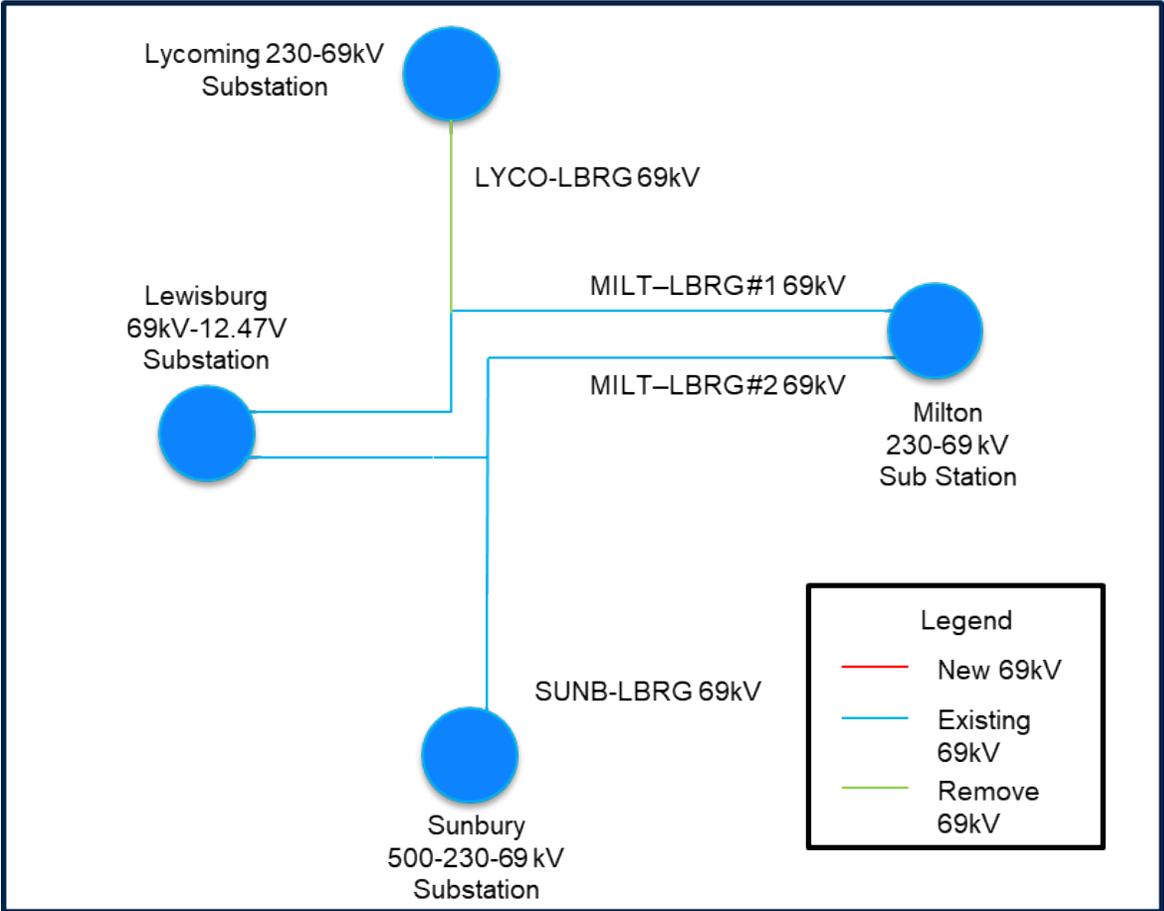
- Rebuilding the line was considered. The LYCO-LBRG line is no longer needed after projects s0968.4, s0968.5, and PPL-2022-0009.

Estimated Project Cost: \$3.5M

Projected In-Service: 5/1/2025

Project Status: Conceptual

Model: 2025



Questions?



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

5/08/2023 – V1 – Original version posted to pjm.com