

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

October 17th, 2024

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 Beavertown, PA

Need Number: PPL-2019-0003

Process Stage: Need Meeting SRRTEP-MA - 10/17/2024

Project Driver: Equipment Condition/Performance/Risk, Customer Service

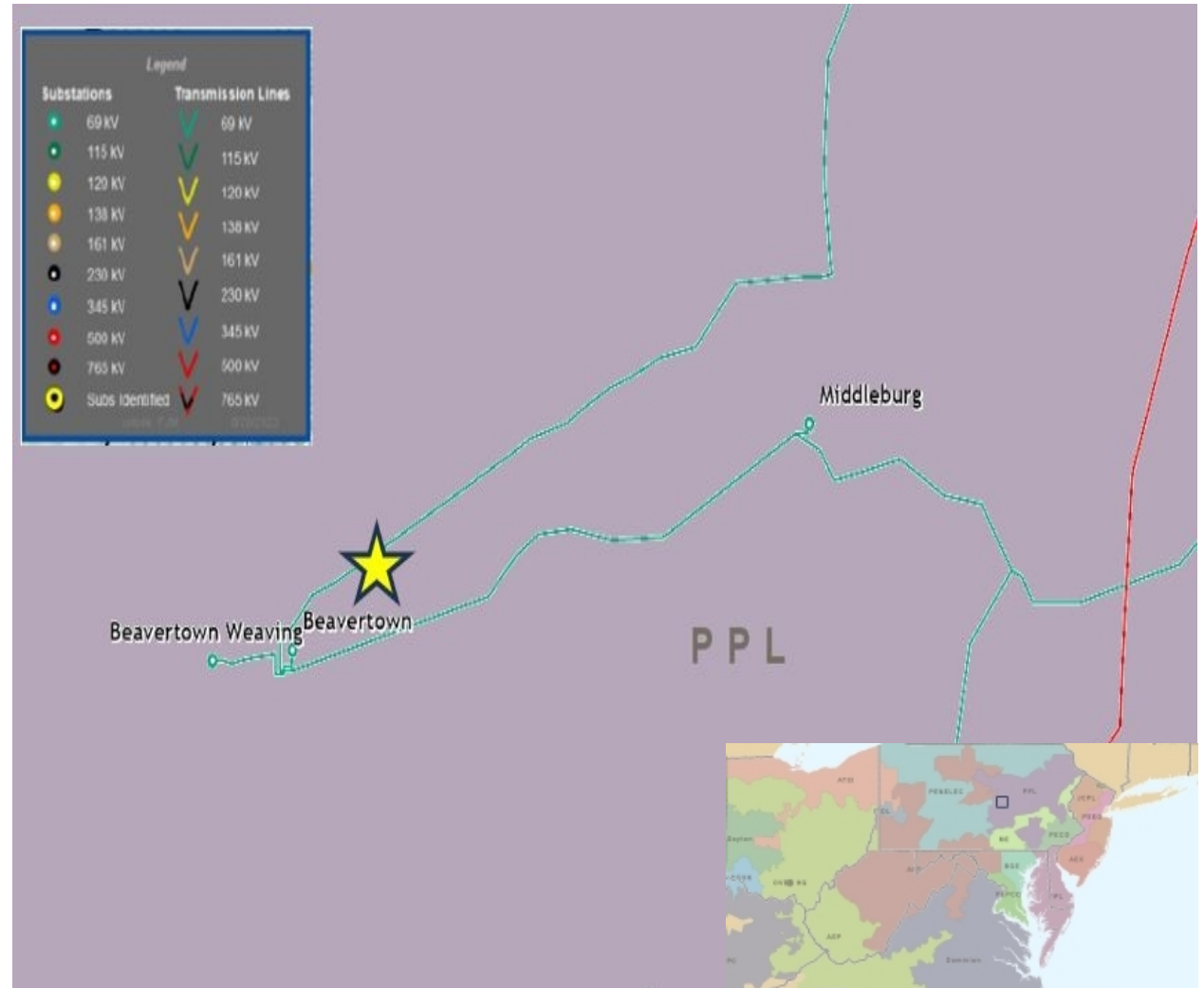
Specific Assumption References:

PPL 2024 Annual Assumptions

Problem Statement:

The Beavertown Tap 69kV line is a reliability risk due to poor asset health. The line is in poor condition with the original assets installed in 1962. The line consists of 76 vintage wood poles, and 89 steel poles. The 4/0 ACSR conductor is original.

PPL Distribution has requested a second 69kV source at the Beavertown substation to support a substation rebuild project.



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 Grand Landmark, PA

Need number(s): PPL-2024-0005

Process Stage: Solution Meeting SRRTEP-MA - 10/17/2024

Proposed Solution:

Extend Wright #1 & #2 69kV taps to the customer Sub:

Extend the Wright #1 & #2 69kV taps ~0.5 miles to the connect the customer substation.. Estimated Cost: \$1.75 M

Palooka - Grand Landmark #1 & #2 69kV Lines: Extend a new double circuit 69kV line from the existing Palooka 230-69kV Substation to the new Grand Landmark 69kV taps.

Build ~5 miles of new 69kV double circuit line using 795 ACSR conductor.. Estimated Cost: \$12.5 M

Palooka 69kV Line Terminals: Install two new line terminals in the Palooka 69kV Yard. Install two bays in initial DBDB, future BAAH Arrangement.. Estimated Cost: \$3.5 M

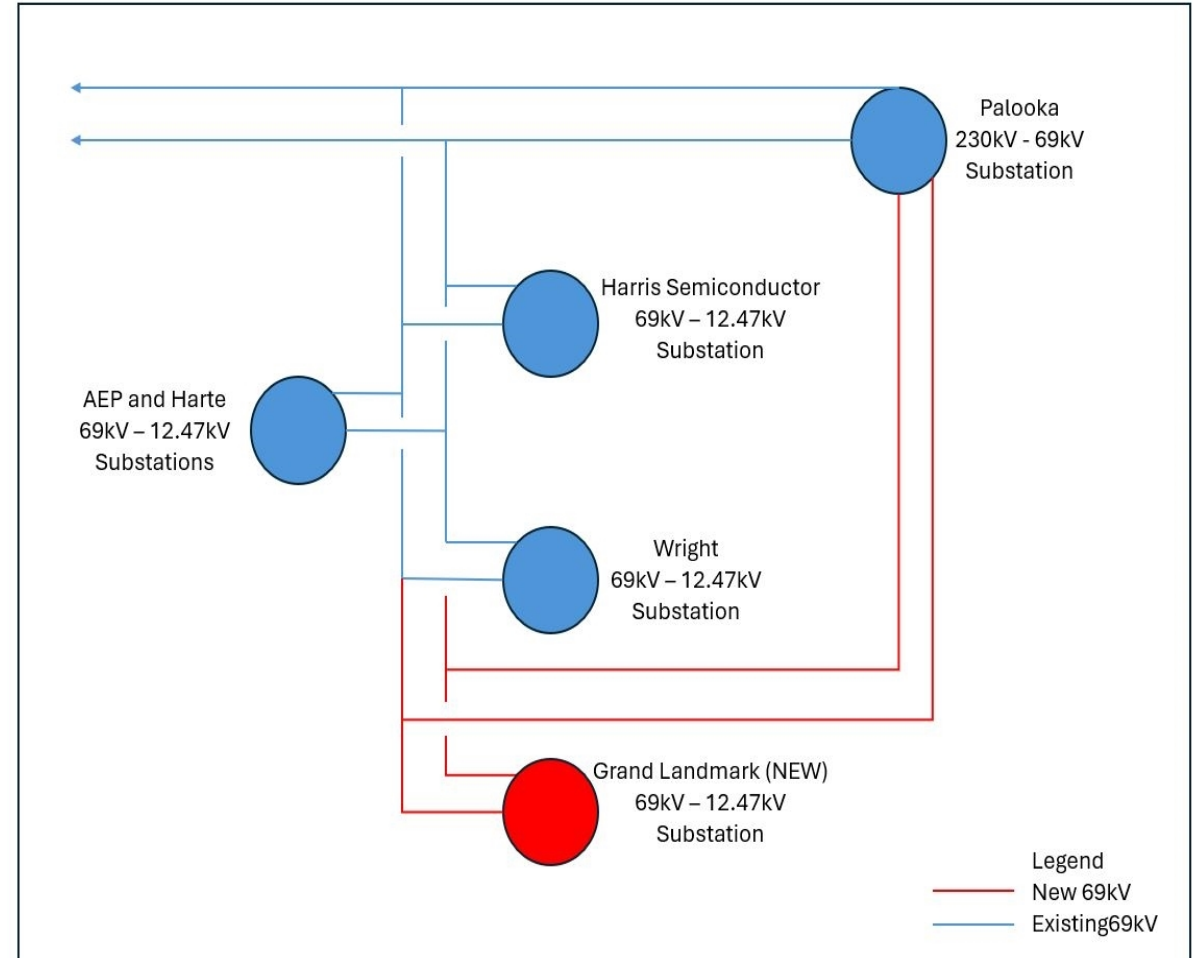
Transmission Cost Estimate: \$17.75 M

Alternatives Considered:

Rebuilding the existing line was considered but would result in 75MW of load being served from a radial tap.

Projected In-Service: 05/01/2028

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

10/07/2024 – V1 – Original version posted to pjm.com