

Transmission Expansion Advisory Committee – PPL Supplemental Projects

April 1st , 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 Susquehanna, PA

Need Number: PPL-2025-0003

Process Stage: Need Meeting 04/01/2025

Project Driver: Customer Service

Specific Assumption References:

PPL 2025 Annual Assumptions

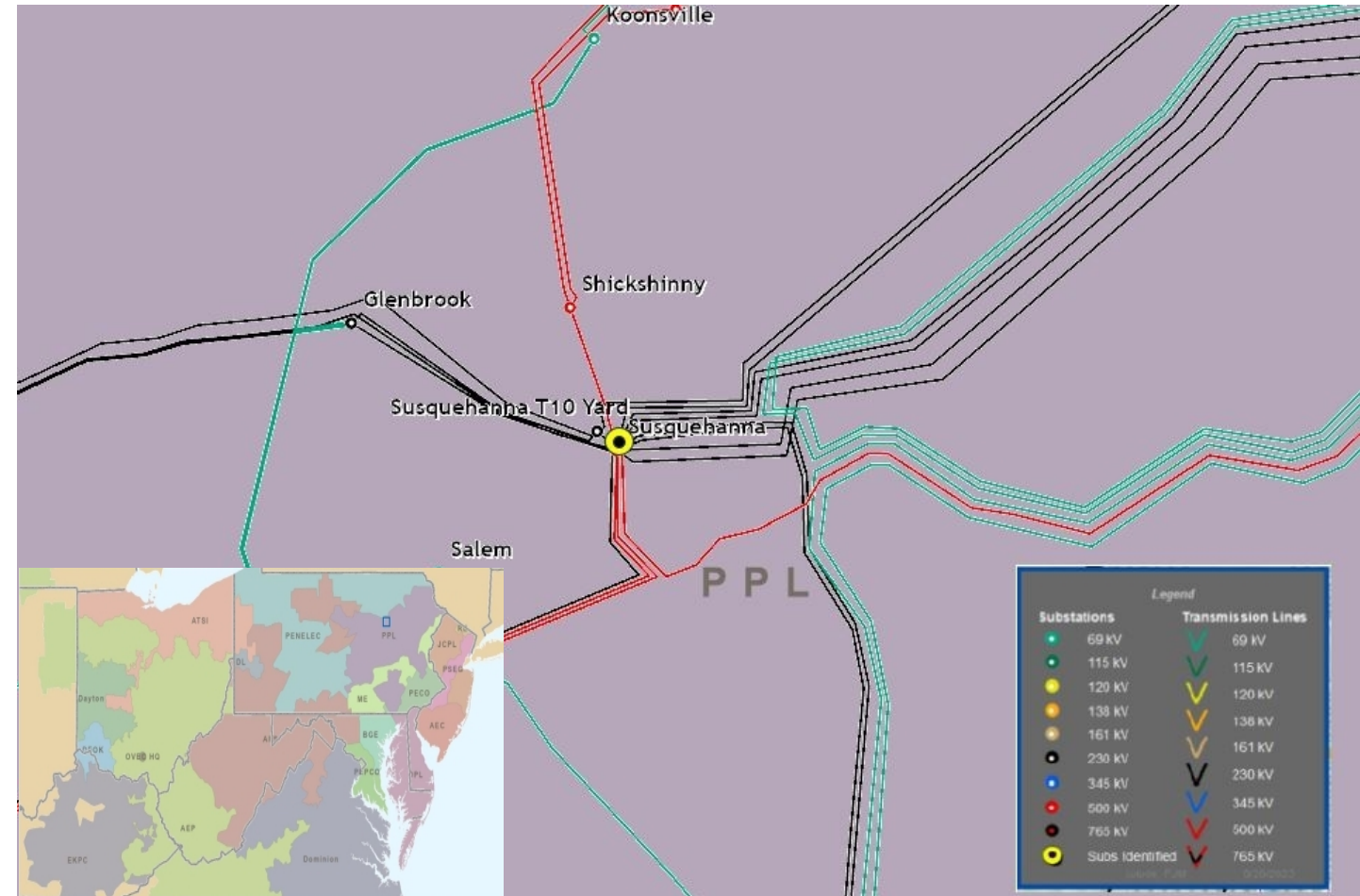
Problem Statement:

A customer has submitted a request to have their facility served from 500kV & 230kV sources in Berwick, PA. The total facility load is approximately 1,440 MW (2030). The requested in-service date is 04/2026.

Initial In-Service 2026 Load: 120 MW

Projected 2027 Load: 430 MW

Projected 2028 Load: 960 MW



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 Hauto, PA

Need Number: PPL-2025-0002

Process Stage: Solution Meeting TEAC - 04/01/2025

Previously Presented: Need Meeting 03/04/2025

Project Driver: Customer Service

Specific Assumption References:

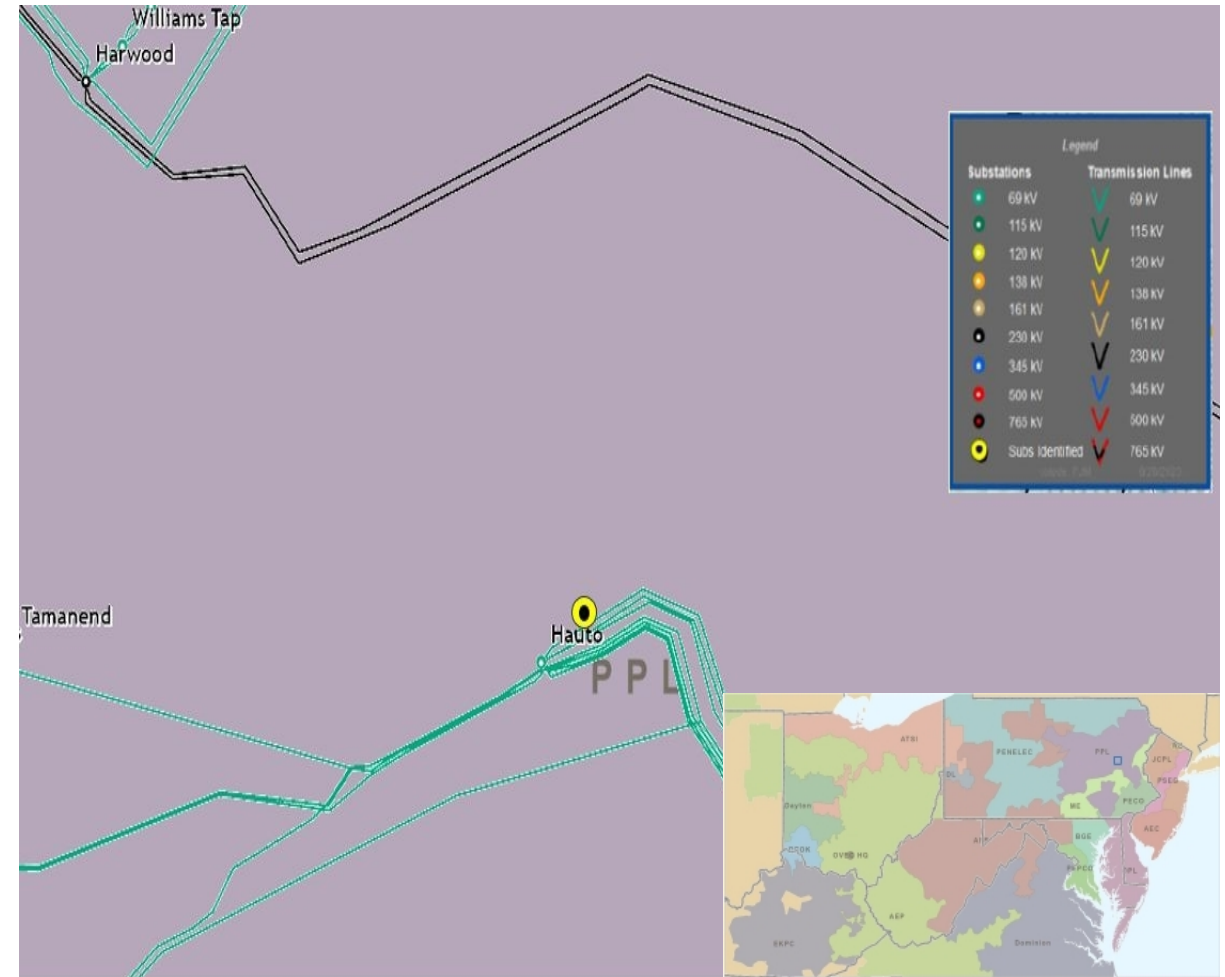
PPL 2025 Annual Assumptions

Problem Statement:

A customer has submitted a request to have their facility served from a 69kV source in Hauto, PA. The total facility load is approximately 350 MW (2030). The requested in-service date is 05/2027.

Initial In-Service 2027 Load: 50MW

Projected 2028 Load: 300 MW





Need number(s): PPL-2025-0002

Process Stage: Solution Meeting TEAC - 04/01/2025

Proposed Solution:

Customer Substation #1 69kV Taps: Tap the existing FRAC-SIEG #1 & #2 69kV lines and extend 69kV double circuit line (556ACSR) to the customer substation #1. Extend lines approximately 0.5 miles. Estimated Cost: \$2 M

Tresckow 230-69kV Substation: Expand the proposed Tresckow 230kV switchyard to include four 230-69kV transformers, a 4 bay BAAH 69kV yard (6 bay ultimate), and one 69kV capacitor bank.. Estimated Cost: \$53 M

FRAC-TRES #1 & #2 and TRES-SIEG #1 & #2 69kV Circuits: Extend two sets of double circuit 69kV lines (1113 ACSS) for approximately 7.1 miles to tie into the existing FRAC-SIEG #1 & #2 69kV lines.. Estimated Cost: \$43 M

Customer Substation #2 69kV Taps: Extend two sets of double circuit 69kV lines (1113 ACSS) for approximately 0.6 miles to tie into customer substation #2. Estimated Cost: \$3 M

Transmission Cost Estimate: \$101 M

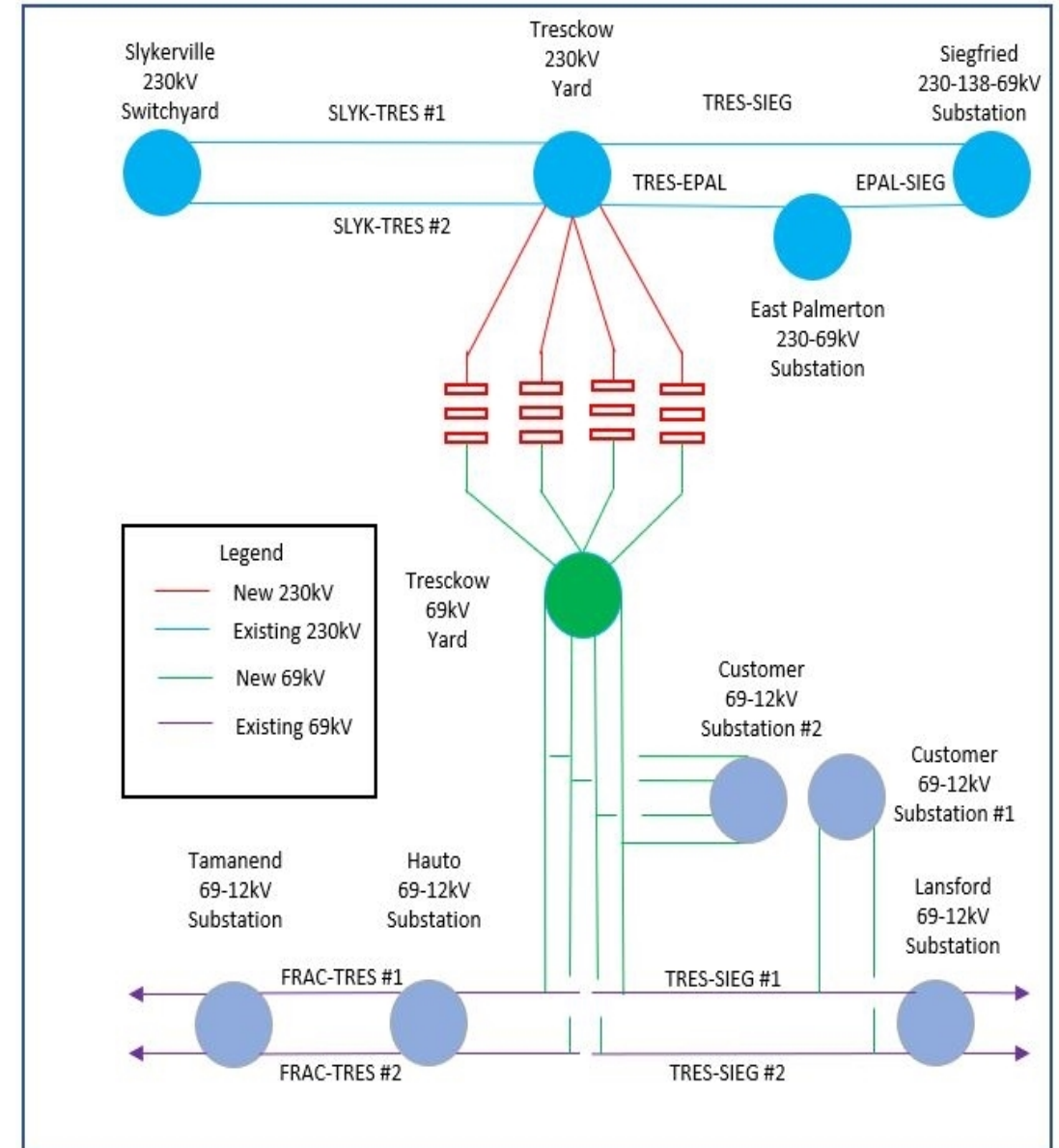
Alternatives Considered:

1. Install additional 69kV terminals at Frackville 69kV yard, install additional 230-69kV transformer at Frackville, and extend two double circuit 69kV lines for approximately 20 miles to customer facility. Install 69kV cap banks outside customer facility. Estimated cost: \$141M.

Projected In-Service: 05/30/2028

Project Status: Conceptual

PPL Transmission Zone: Supplemental Hauto, PA



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

03/21/2025 - V1 – Original version posted to pjm.com