TEAC Committee
PECO
Supplemental Projects

August 4, 2026

PECO Transmission Zone M-3 Process
Supplemental Needs Withdrawal

Need Number	TO	Area	Needs Meeting	Solutions Meeting	Project Name	Project Description	TO Notes
PE-2025-007	PECO	PJM East	11/4/2025		Customer in Limerick, PA	A new customer in the Limerick, PA area has requested service for an initial load of 100 MW in 2029 and an ultimate load of 750 MW in 2032. Infrastructure in the area cannot adequately accommodate this load request.	Withdraw Need

Need

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

M-3 Process
PECO Transmission Zone

Need Number: PE-2026-013

Process Stage: Need Meeting 8/4/2026

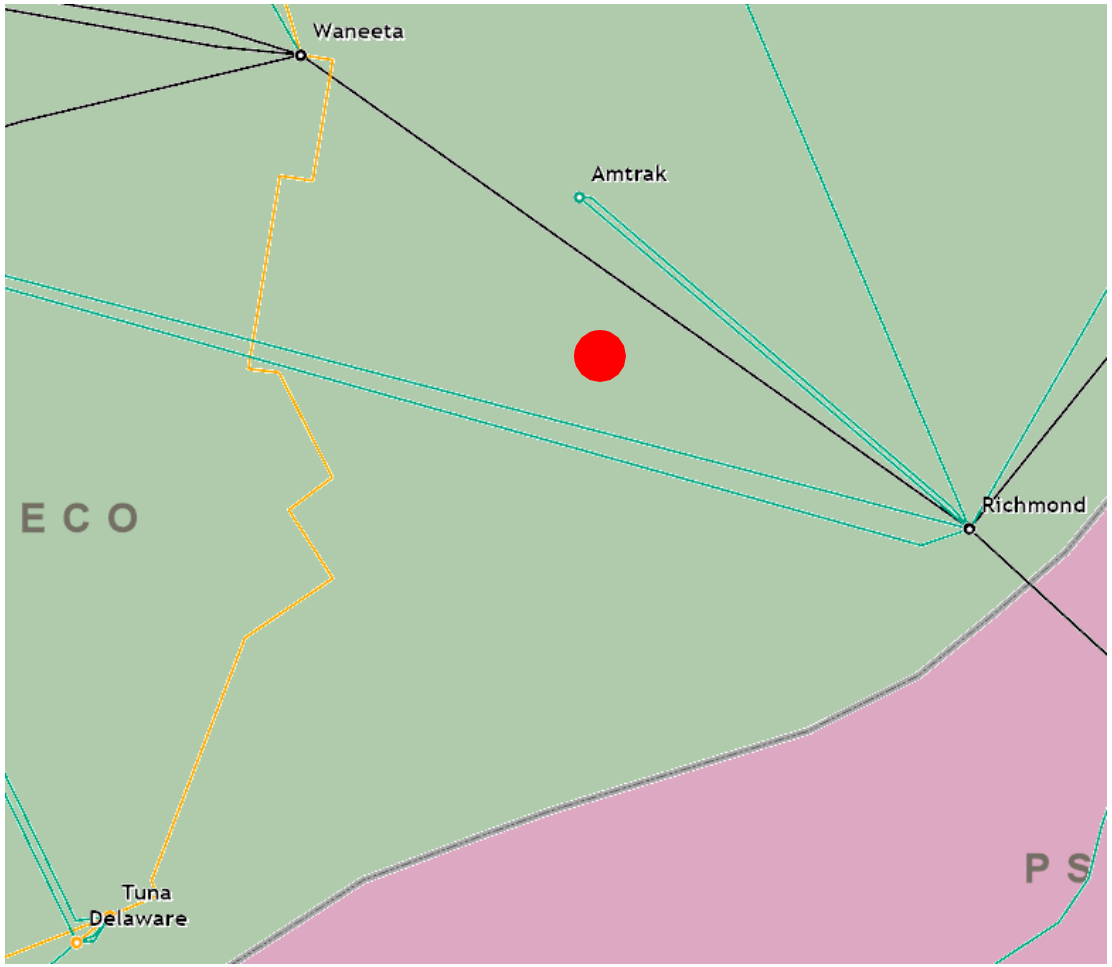
Project Driver: Equipment Material Condition, Performance and Risk
Operational Flexibility and Efficiency

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability.
- Remedy recurring operational problems.
- Employee and public safety.
- Facility relocation.

Problem Statement:

- The Richmond 230 kV Ring-Bus consists of dual tapped busses. This limits the operational flexibility when scheduling outages for equipment maintenance and negatively impacts the system reliability.
- The current configuration has been determined to no longer support operational needs including but not limited to equipment maintenance outages.
- Safety concerns, caused by spatial constraints at Richmond Substation, increase the difficulty of necessary work and require additional outages to perform the work safely.



Solution

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

M-3 Process
PECO Transmission Zone

Need Number: PE-2026-001

Process Stage: Solution Meeting 8/4/2026

Previously Presented: Need Meeting 01/06/2026

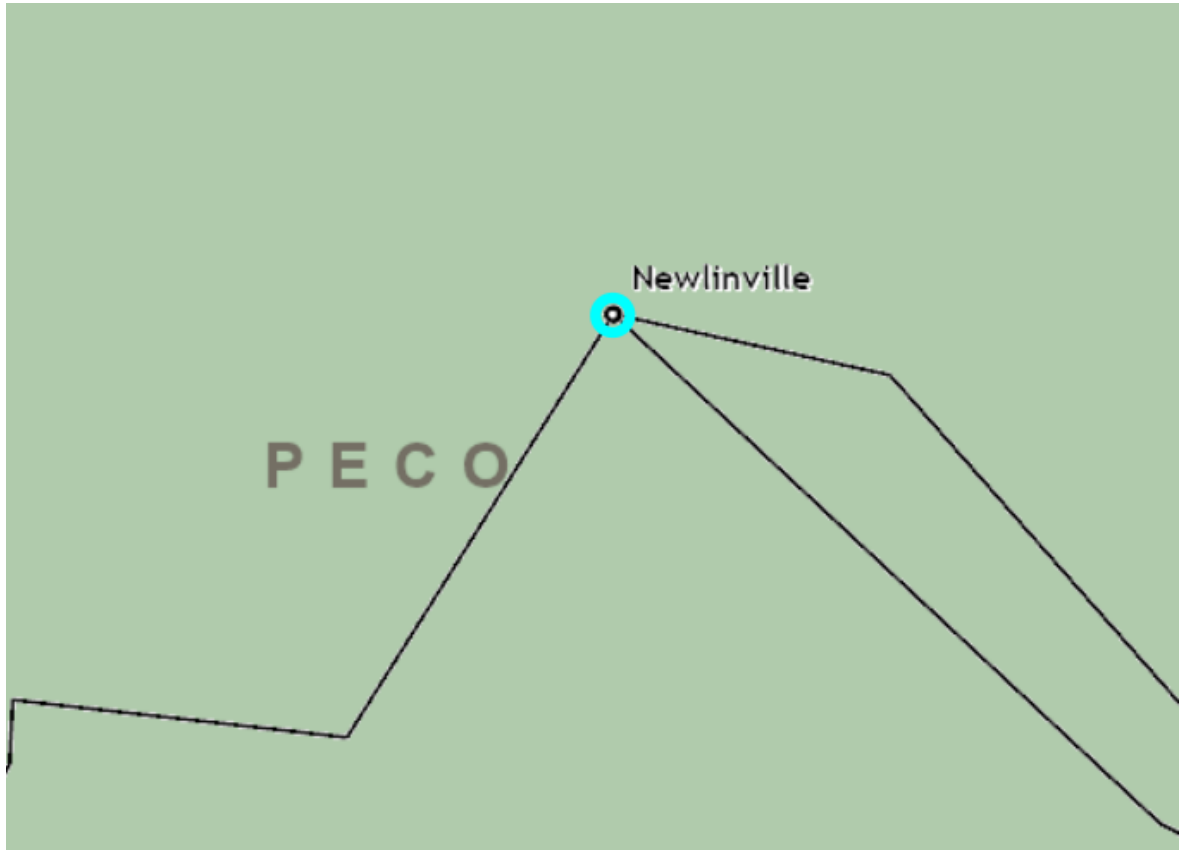
Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions.

Problem Statement:

- The #220 and #230 circuit breakers at Newlinville 230 kV Substation are of obsolete construction and are to be replaced under the breaker and relay obsolescence program.



PECO Transmission Zone M-3 Process
Limerick

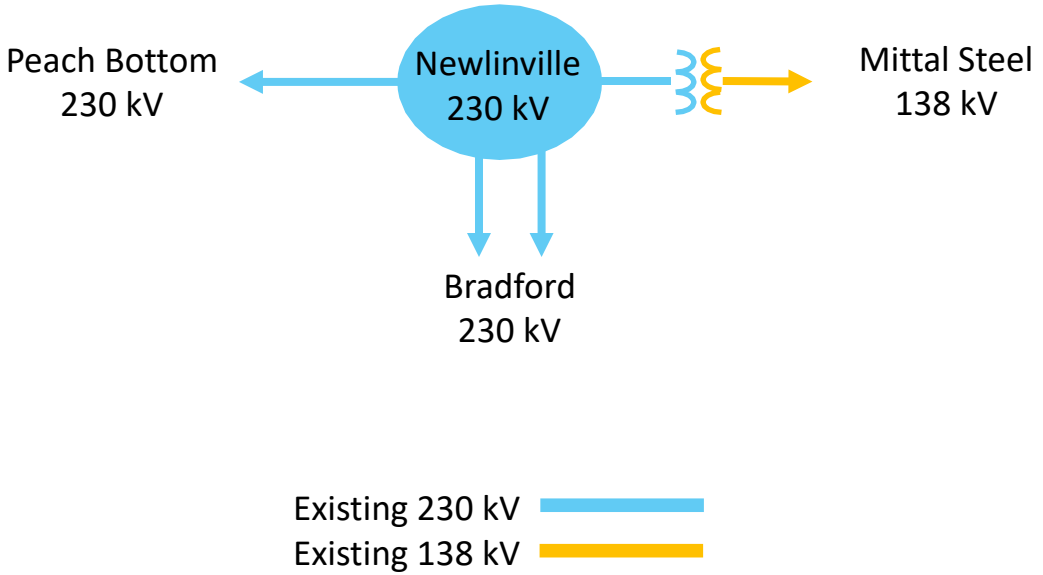
Need Number: PE-2026-001

Process Stage: Solutions Meeting 8/4/2026

Solution:

- Replace two existing 230 kV oil circuit breakers, which have been rendered obsolete, with SF6 type breakers.
- Upgrade the line protection relays and the breaker failure relays.

	Existing Short Circuit Rating	New Short Circuit Rating
Newlinville CBs #220 & 230	50.2 kA	63 kA



Estimated Transmission Cost: $2 million

Alternatives Considered:

1. No feasible alternatives considered

Projected In-Service: 12/21/2026

Project Status: Engineering

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

7/24/2026 – V1 – Posted to pjm.com

8/3/2026 – V2 – Corrected number of breakers on slide 7