

# Transmission Expansion Advisory Committee PECO Supplemental Projects

March 4, 2025

PJM TEAC – PECO Supplemental 3/4/2025



# 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



Need Number: PE-2025-001 Process Stage: Need Meeting 3/4/2025 Project Driver:

Customer Service

#### **Specific Assumption Reference:**

• Transmission System configuration changes due to new or expansion of existing distribution substations

#### **Problem Statement:**

 PECO Distribution Capacity Planning requested 50 MVA of capacity in the King of Prussia, PA region. Existing distribution facilities do not have enough capacity to accommodate this request.





# 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



M-3 Process PECO Transmission Zone New Business Customer

### Need Number: PE-2024-008

**Process Stage:** Solutions Meeting 3/4/2025

Previously Presented: Needs Meeting 11/6/2024

Project Driver: Customer Service

#### **Specific Assumption Reference:**

 New transmission customer interconnections or modification to an existing customer

### **Problem Statement:**

 A new customer in the Exton PA area has requested service for an initial load of 150MW in 2026, and 290MW in 2028 and an ultimate load of 600MW. Distribution infrastructure in the area cannot adequately accommodate this load request.





#### Process Stage: Solutions Meeting 3/4/2025

#### **Proposed Solution:**

Phase 1:

 Install a temporary radial 230kV line from a tap off the Planebrook-Upper Merion-Tredyffrin line to the customers location.

### Estimated Transmission Cost: \$0M

Phase 2:

- Install two new radial 230 kV feeds from the Planebrook #7 bus and #9 bus to the customers location.
- Reconductor approximately 1000ft of the 230-31 Bradford-Planebrook line.
- Install a breaker on the high side of transformer #9 at Planebrook substation.

#### Estimated Transmission Cost: \$7M

Alternatives Considered: No feasible alternatives.

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Projected In-Service: 12/31/2026 (Phase 1), 12/31/2027 (Phase
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2)

Project Status: Conceptual Model: 2028 RTEP

M-3 Process PECO Transmission Zone New Business Customer



## 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**

2/20/2025–V1 – Original version posted to pjm.com

3/3/2025 – V2 – Bubble diagram on Slide 6 adjusted, problem statement updated Slide 5