



TEAC Committee PECO Supplemental Projects

September 9, 2025

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

Need Number: PE-2025-002

Process Stage: Solutions Meeting 09/09/2025

Previously Presented:

Need Meeting 07/08/2025

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
- Programmatic review and/or replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:

- The 220-17 Whitpain-Whitemarsh-Jenkintown 230 kV line has obsolete electromechanical protective relays that are over 50 years old. These electromechanical relays are being phased out because the manufacturer no longer supports and parts are no longer available, making it increasingly difficult to service.



Need Number: PE-2025-002

Process Stage: Solutions Meeting 09/09/2025

Proposed Solution:

- Replace obsolete electromechanical protective relays on the 220-17 Whitpain-Whitemarsh-Jenkintown 230 kV line with new microprocessor-based relays.
- New relays increase winter load dump ratings from 1036 MVA to 1092 MVA.

Transmission Cost: \$3.6 million

Alternatives Considered: No feasible alternatives

In-Service: 03/10/2025

Model: 2029 RTEP



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

8/29/2025 – V1 – Original version posted to pjm.com