

TEAC Committee PECO Supplemental Projects

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

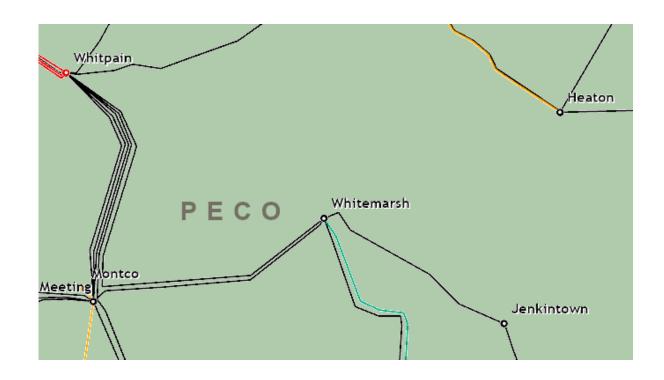
Specific Assumption Reference:

 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.







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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.

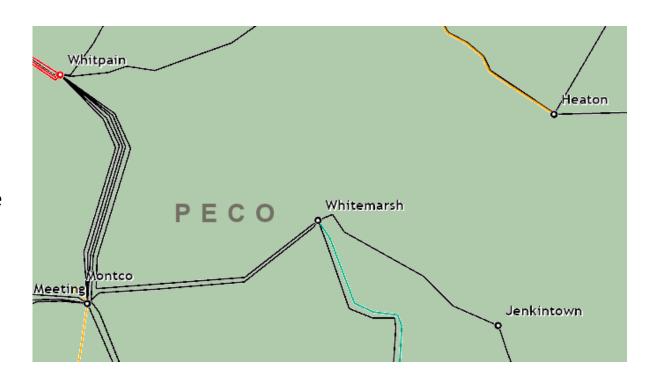
 New relays increase winter load dump ratings from 1036 MVA to 1092 MVA.

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	Activity	Timing
Supplemental Projects & Local Plan	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