

Transmission Expansion Advisory Committee – PECO Supplemental Projects

November 30, 2021

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

220-69 (Plymouth Meeting – Upper Merion) Relay Replacement

Need Number: PE-2021-006

Process Stage: Solution Meeting 11/30/2021

Previously Presented: Need Meeting 11/2/2021

Project Driver:

Equipment Material Condition, Performance, and Risk

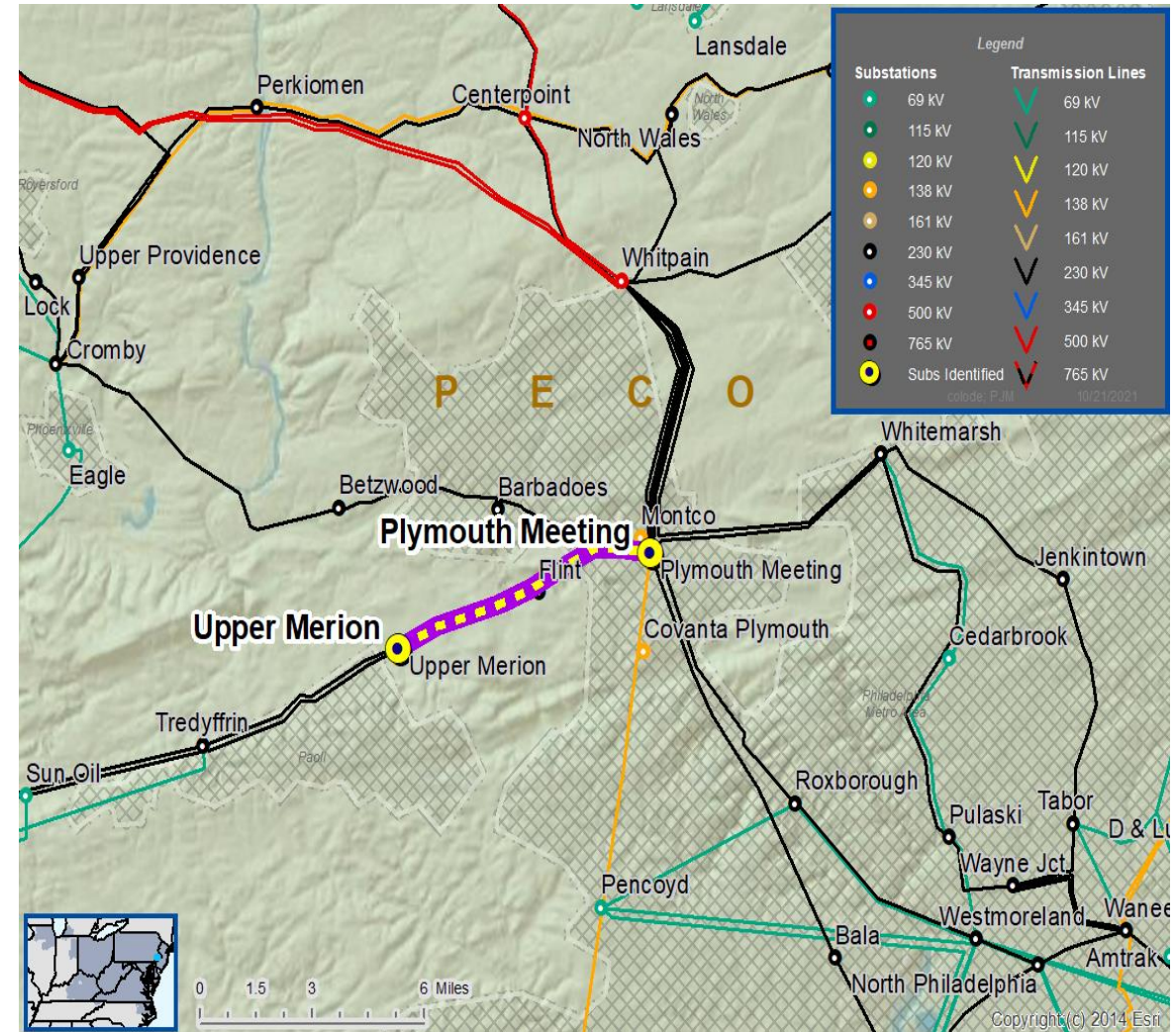
Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions
- Programmatic replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:

230kV line 220-69 (Plymouth Meeting – Upper Merion) has obsolete relays

- It is becoming difficult to service existing outdated relays. They are being phased out of the system.





M-3 Process PECO Transmission Zone 220-69 (Plymouth Meeting – Upper Merion) Relay Replacement

Need Number: PE-2021-006

Process Stage: Solution Meeting 11/30/2021

Proposed Solution:

Upgrade relays, communication, metering & removal of wave trap on 220-69 (Plymouth Meeting – Upper Merion) line

- Before solution ratings: 418/519 MVA (SN/SE)
500/581 MVA (WN/WE)
- After solution ratings: 418/519 MVA MVA (SN/SE)
513/597 MVA (WN/WE)

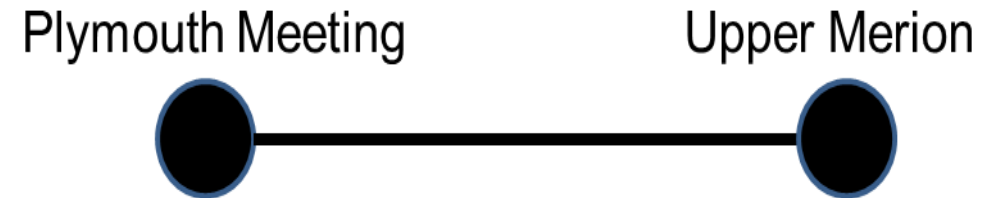
Estimated cost: \$1.9M

Alternatives Considered: None

Projected In-Service: 10/7/21

Project Status: Completed

Model: 2026 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

11/19/2021 - V1 – Original version posted to pjm.com

11/30/2021 - V2 – Formatting update on slide 4