

Transmission Expansion Advisory Committee – PECO Supplemental Projects

December 6, 2022

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-2022-006

Process Stage: Solutions Meeting 12/6/22

Previously Presented: Need Meeting 11/1/22

Project Driver:

- Equipment Material Condition, Performance and Risk

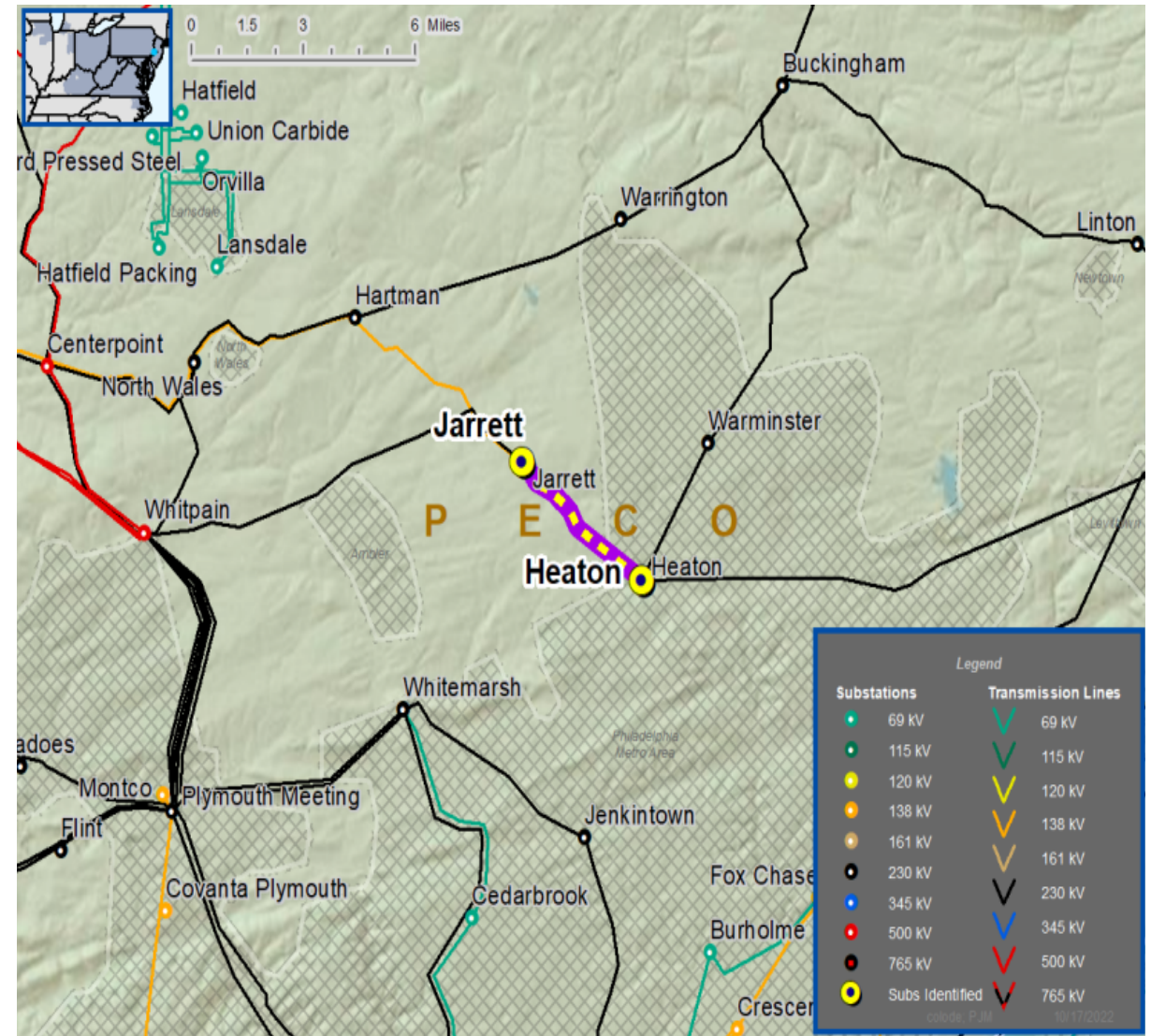
Specific Assumption Reference:

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

Problem Statement:

230kV line 220-51 (Heaton – Jarrett) has obsolete relays

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





M-3 Process PECO Transmission Zone 220-51 (Heaton - Jarrett) Relay Replacement

Need Number: PE-2022-006

Process Stage: Solution Meeting 12/6/22

Proposed Solution:

Upgrade relays, communication, metering & removal of wave trap on 220-51 (Heaton – Jarrett) line

<u>Existing ratings (MVA):</u>	SN/SE	WN/WE
220-51 Heaton – Jarrett	812/927	893/927
<u>New ratings (MVA):</u>	SN/SE	WN/WE
220-51 Heaton – Jarrett	812/965	893/1047

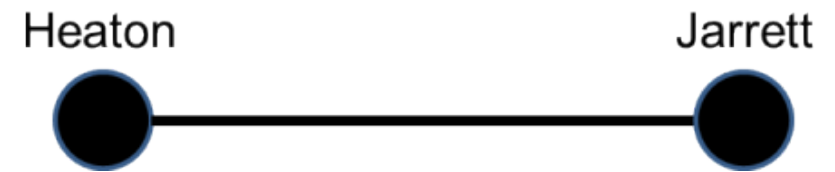
Estimated cost: \$1.77M

Alternatives Considered: None

Projected In-Service: 4/1/2023

Project Status: Engineering

Model: 2027 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

11/21/2022 - V1 – Original version posted to pjm.com