

Transmission Expansion Advisory Committee – PECO Supplemental Projects

January 9, 2024

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

M-3 Process PECO Transmission Zone Warrington 230 kV Bus Tie 7-8 Facility Upgrade

Need Number: PE-2023-011

Process Stage: Solutions Meeting 1/9/24

Previously Presented: Need Meeting 10/31/2023

Project Driver:

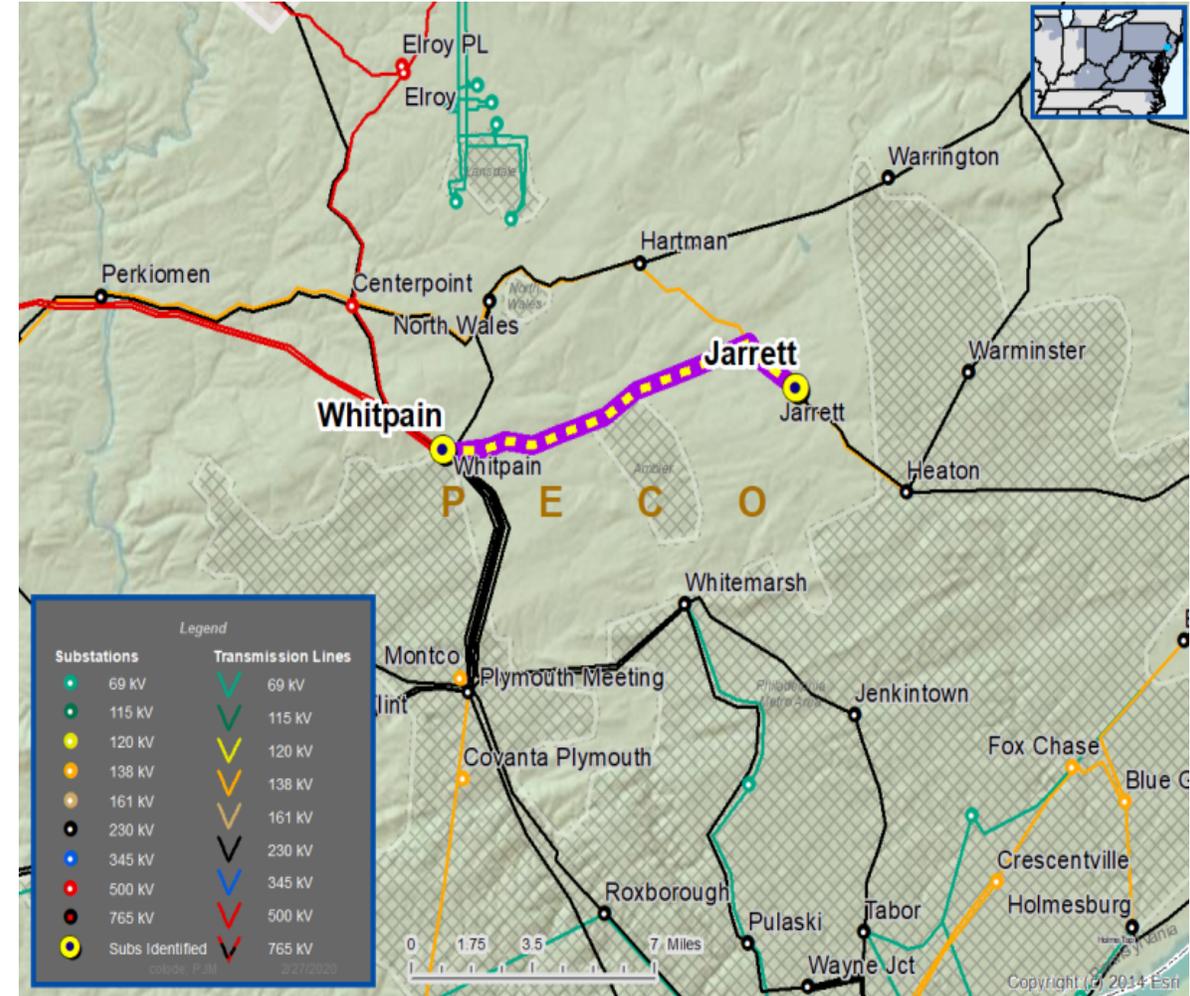
- Operational Flexibility and Efficiency

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability
- Increasing system capacity
- Addressing recurring operational issues

Problem Statement:

- PJM issued a post contingency local load relief warning for the loss of the 220-52 Whitpain – Jarrett 230 kV line which would overload the 875 circuit breaker at Warrington 230 kV Bus Tie 7-8 facility.
- PECO Operations is requesting that the facility at Warrington be updated to alleviate the cause of the potential overload.



M-3 Process PECO Transmission Zone Warrington 230 kV Bus Tie 7-8 Facility Upgrade

Need Number: PE-2023-011

Process Stage: Solution Meeting 1/9/24

Proposed Solution:

- Replace existing 1590 ACSR station cable adjacent to breaker 875 within Warrington Bus Tie 7-8 Facility with new 2-2000 AAC station cable.

| <u>Existing ratings (MVA):</u> | SN/SE | WN/WE |
|--------------------------------|-----------|-----------|
| Warrington Bus Tie 7-8 | 563/702 | 700/808 |
| <u>New ratings (MVA):</u> | SN/SE | WN/WE |
| Warrington Bus Tie 7-8 | 1217/1380 | 1418/1560 |

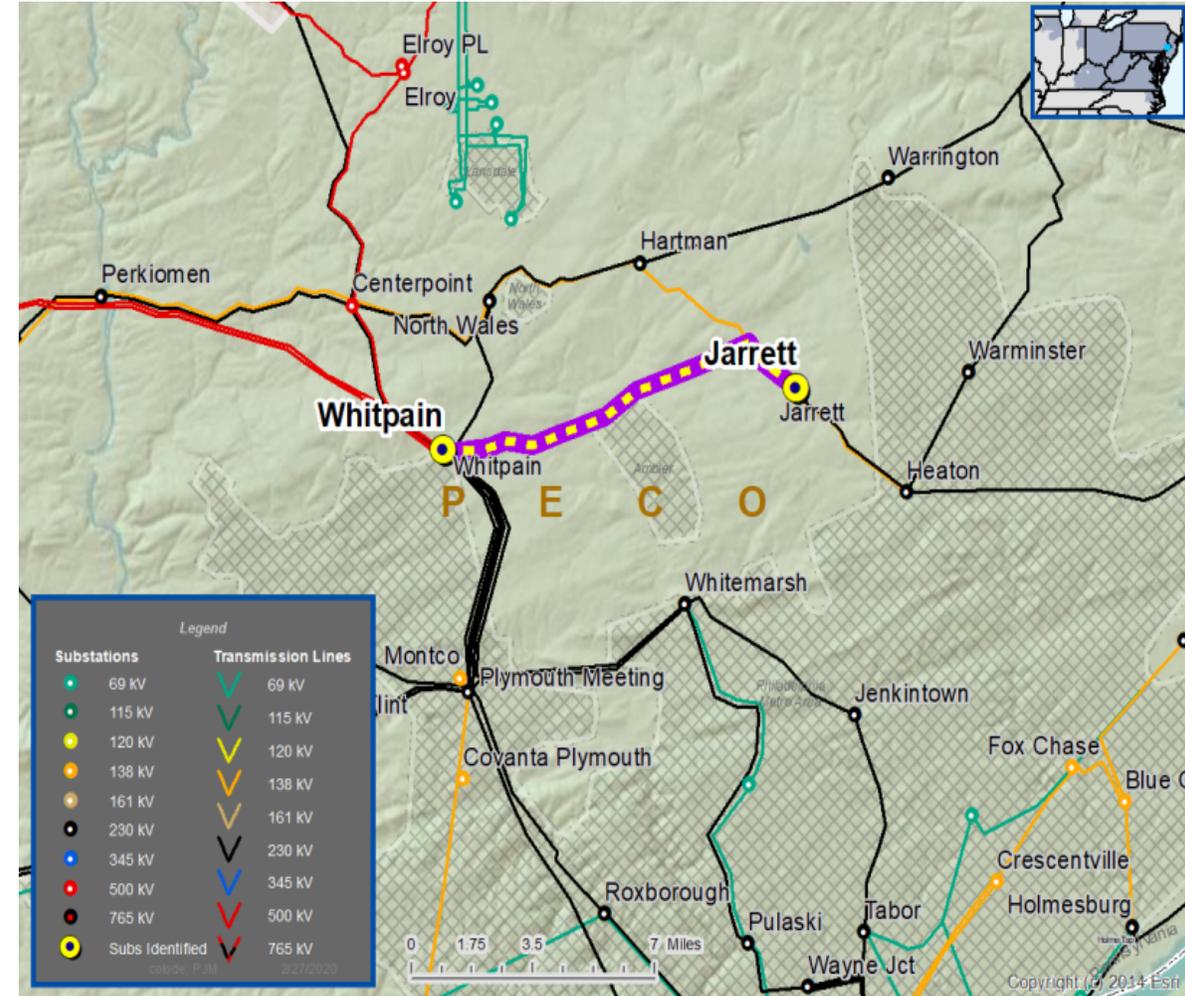
Estimated cost: \$20k

Alternatives Considered: No feasible alternatives.

Projected In-Service: 3/8/2024

Project Status: Engineering

Model: 2028 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

12/27/2023 - V1 – Original version posted to pjm.com