



Transmission Expansion Advisory Committee PECO Supplemental Projects

February 4, 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-2024-007

Process Stage: Solution Meeting 2/4/2025

Previously Presented:

Need Meeting 11/6/2024

Project Driver:

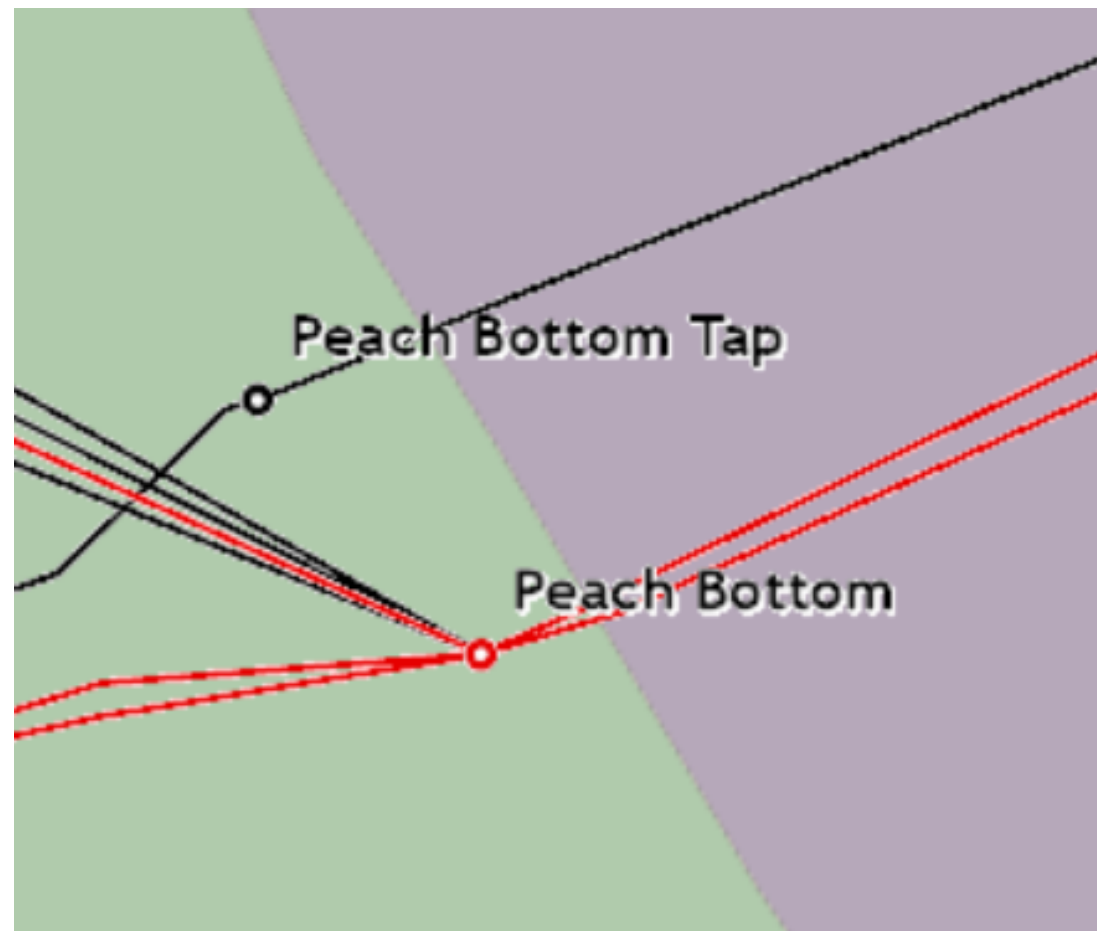
- Equipment Material Condition, Performance, and Risk

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:

- Peach Bottom Unit #2 has obsolete relays and are being phased out of the system. It is becoming difficult to service existing electromechanical relays.



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Process Stage: Solutions Meeting 2/4/2025

Solution:

Upgraded Peach Bottom CB 215 & CB 225 relays and metering equipment, along with corresponding CT tap changes. CT tap changes resulted in increasing the adjacent Peach Bottom 500 kV Bus Tie #2 ratings as seen below:

Existing ratings MVA)	SN/SE	WN/WE
Peach-Bottom Bus Tie #2	2477/2860	2598/3022
New Ratings (MVA)	SN/SE	WN/WE
Peach-Bottom Bus Tie #2	2598/3022	2598/3022

Total Transmission Cost: \$836,000

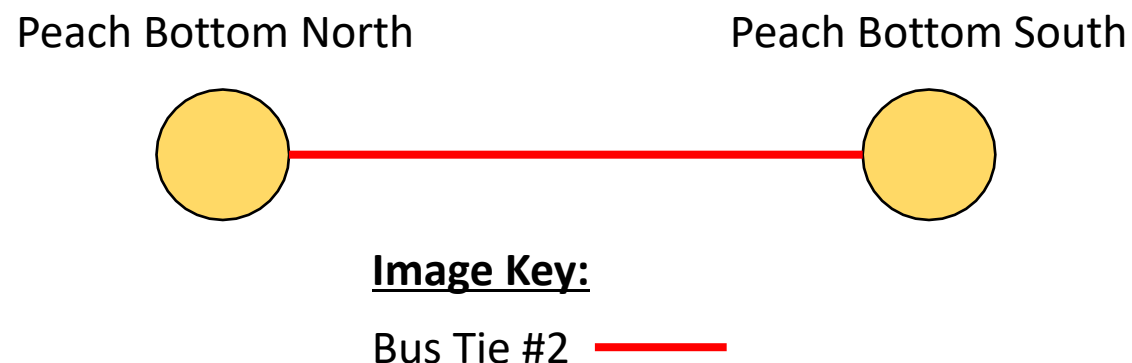
Alternatives Considered:

1. No feasible alternatives considered

In-Service: 11/3/2024

Project Status: Complete

PECO Transmission Zone M-3 Process Peach-Bottom Unit #2 Relay Replacement



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

01/xx/2025 – V1 – Original version posted to pjm.com