Transmission Expansion Advisory Committee – PECO Supplemental Projects

February 9, 2021

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 Buckingham 230kV circuit breaker #220

Need Number: PE-2021-001

Process Stage: Need Meeting 2/9/2021

Supplemental Project Driver:

Project Driver:

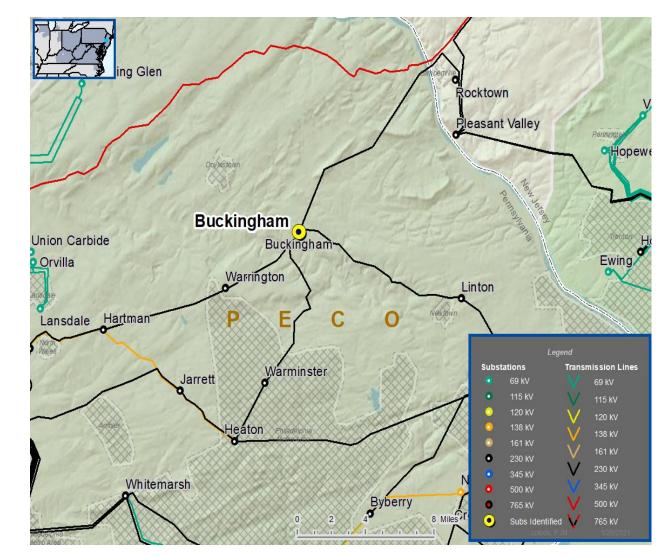
Equipment Material Condition, Performance, and Risk

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:

Buckingham 230kV circuit breaker #220 installed in 1969 is in deteriorating condition due to SF6 gas leaks, replacement part availability, and elevated maintenance cost.





M-3 Process PECO Transmission Zone Buckingham 230kV circuit breaker #230

Need Number: PE-2021-002

Process Stage: Need Meeting 2/9/2021

Supplemental Project Driver:

Project Driver:

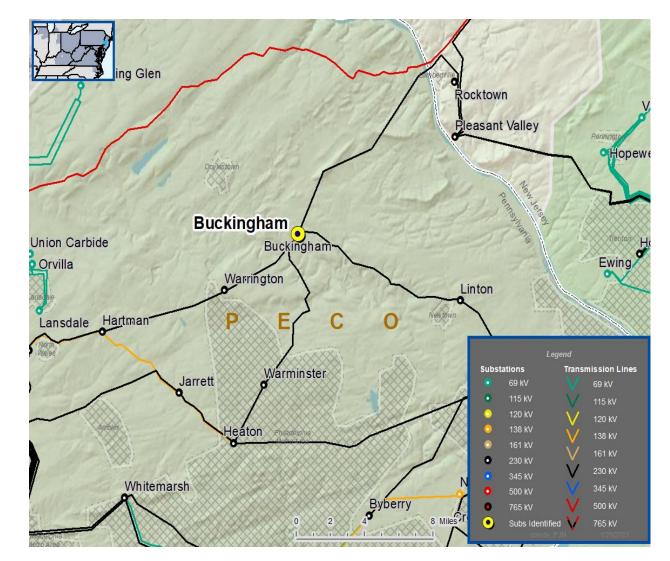
Equipment Material Condition, Performance, and Risk

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:

Buckingham 230kV circuit breaker #230 installed in 1969 is in deteriorating condition due to SF6 gas leaks, replacement part availability, and elevated maintenance cost.





M-3 Process PECO Transmission Zone Buckingham 230kV circuit breaker #240

Need Number: PE-2021-003

Process Stage: Need Meeting 2/9/2021

Supplemental Project Driver:

Project Driver:

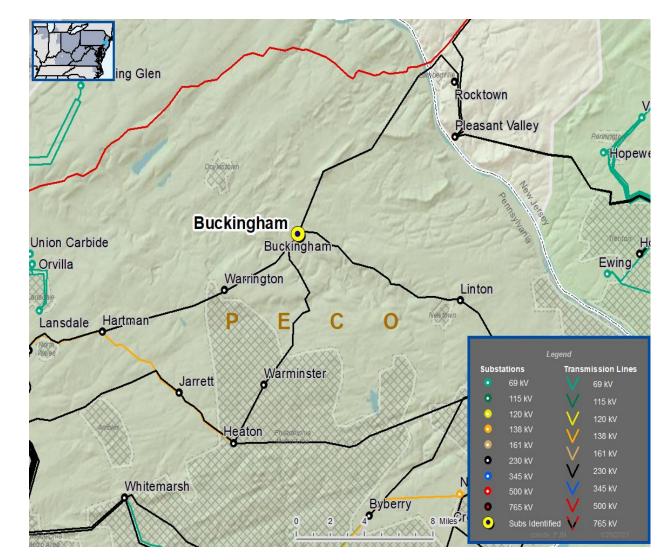
Equipment Material Condition, Performance, and Risk

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:

Buckingham 230kV circuit breaker #240 installed in 1969 is in deteriorating condition due to SF6 gas leaks, replacement part availability, and elevated maintenance cost.





M-3 Process PECO Transmission Zone Parrish 230kV circuit breaker #905

Montco Plymouth Meeting Jenkintown Fox Chase Covanta Plymouth Cedarbroo Burholme **Blue Grass** Crescentville Roxboroug Holmesburg Riv labor D & Luzerne Holme Tap Pulaski Wayne Jct Pencoyd Vestmoreland Waneeta Tacony East Riverto Bala mtra Delair Landfill Philadelphi E aster chmond Parrish Tuna Bryn Mawr Delaware Llanerch Upper Darby University Callowhill Lombard Maple Angora Civic Guthbert Blvd Waverly Locus Elmwood Peltz Middletown Camd Passy Substations Transmission Lines Morton Sharon-Hill Southwark 69 kV Penrosé Macdade Packer Printz RidleyTap Island Road Woodlyn Eagle Gen. 161 kV Eddystone 230 kV Deptford Saville Beaver Valero 345 kV Paper Tap River Thorofare Crown Point? Woodbury Post 8 Miles Subs Identified Valero Tap Paulsbo

Need Number: PE-2021-004

Process Stage: Need Meeting 2/9/2021

Supplemental Project Driver:

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:

Parrish 230kV circuit breaker #905 installed in 1968 is in deteriorating condition due to SF6 gas leaks, replacement part availability, and elevated maintenance cost.

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

Solutions

Submission of Supplemental Projects & Local Plan

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

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

1/29/2021 - V1 – Original version posted to pjm.com