

Transmission Expansion Advisory Committee – PECO Supplemental Projects

February 7, 2023

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

Need Number: PE-2023-001

Process Stage: Need Meeting 2/07/2023

Project Driver:

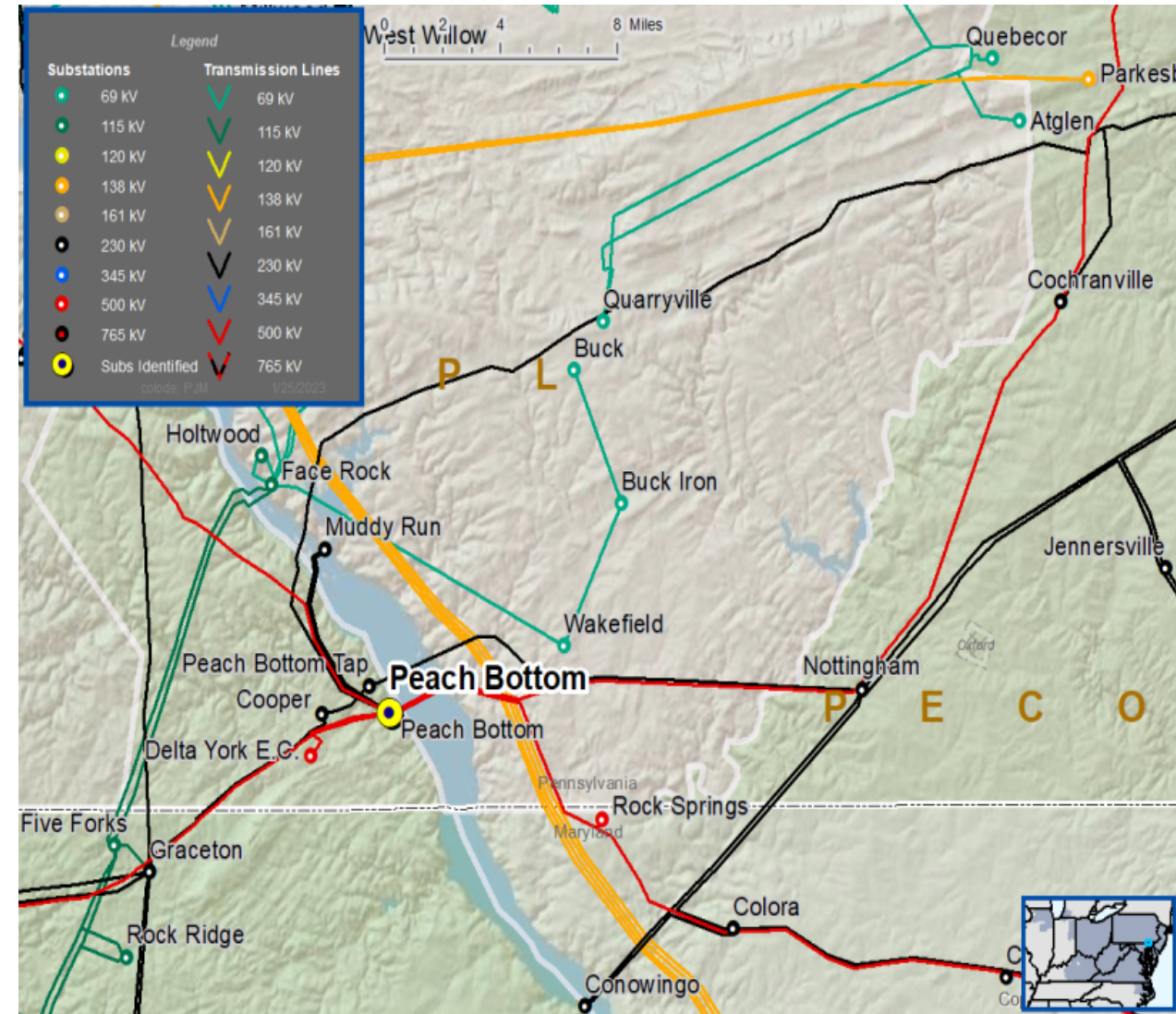
Equipment Material Condition, Performance and Risk

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:

- There are obsolete relays on Peach Bottom North Generating Unit #3. It is becoming difficult to service existing electromechanical relays.
- Peach Bottom #67 motor operated disconnect has lack of vendor support and has become obsolete.



Need Number: PE-2023-002

Process Stage: Need Meeting 2/07/2023

Project Driver:

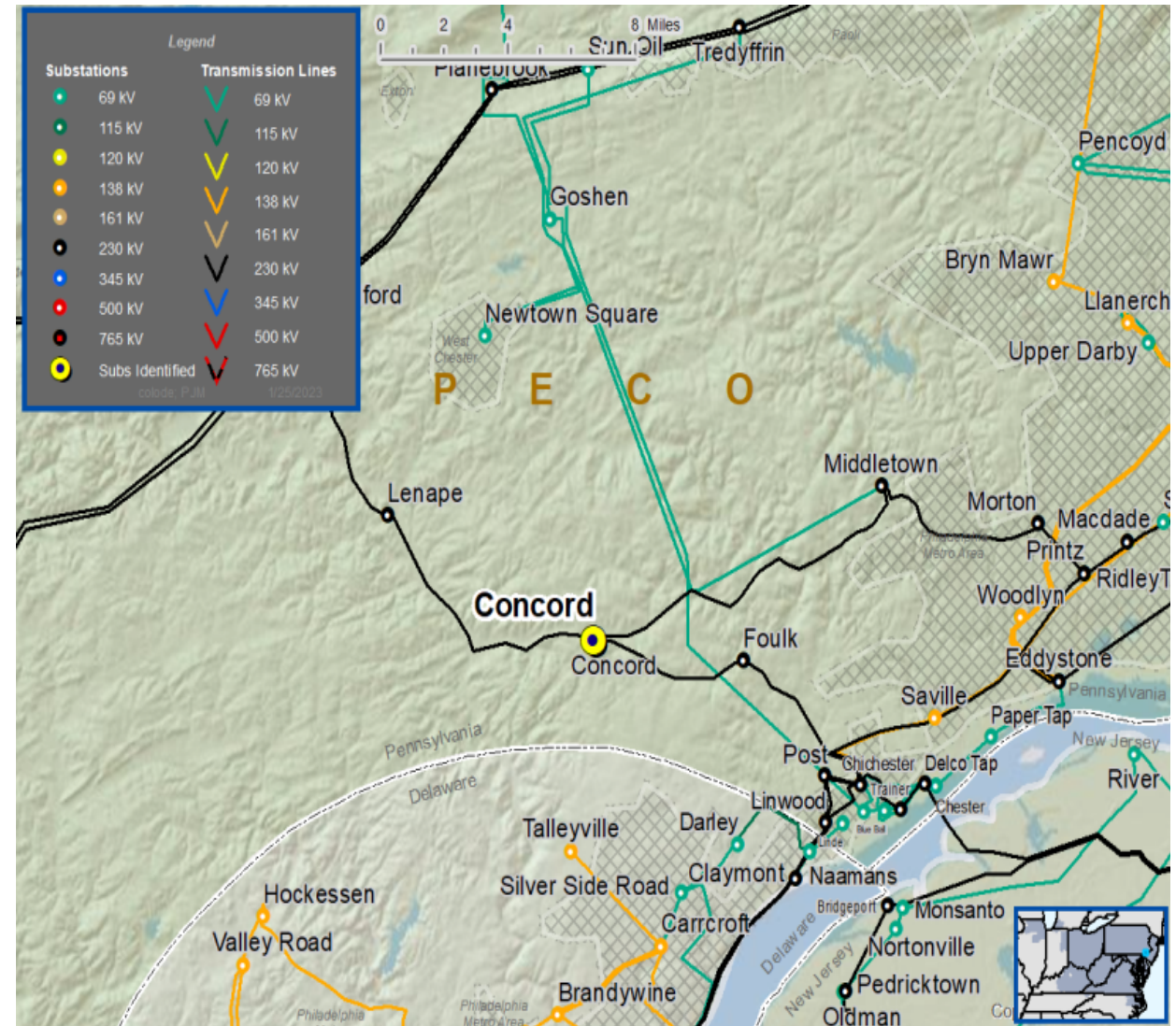
Equipment Material Condition, Performance, and Risk

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:

Concord 230 kV circuit breaker #565, installed in 1974, is in deteriorating condition, has lack of replacement parts, and elevated maintenance cost.



Need Number: PE-2023-003

Process Stage: Need Meeting 2/07/2023

Project Driver:

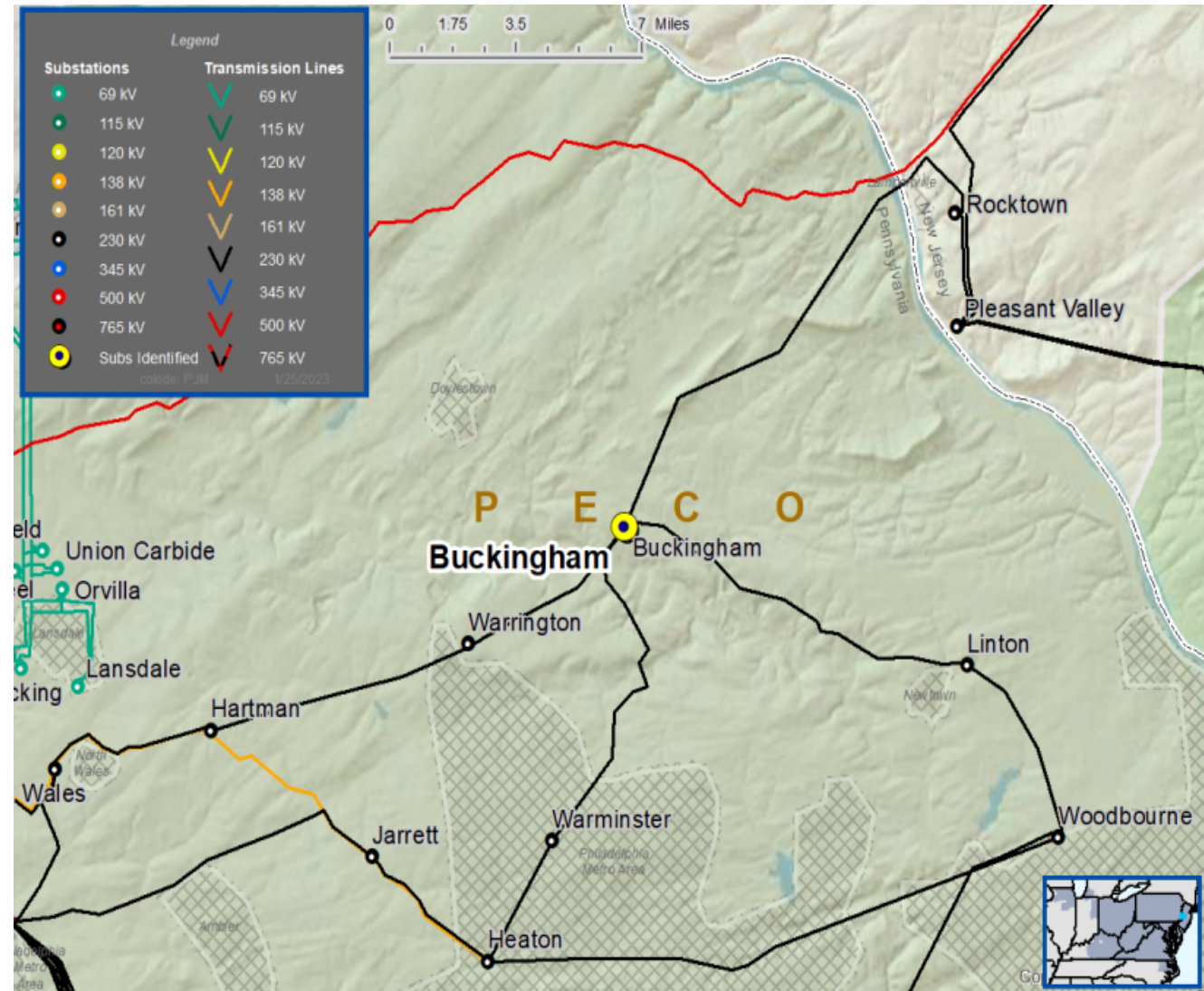
Equipment Material Condition, Performance, and Risk

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 230 kV circuit breaker #195, installed in 1985, is in deteriorating condition, has lack of replacement parts, and elevated maintenance cost.



Need Number: PE-2023-004

Process Stage: Need Meeting 2/07/2023

Project Driver:

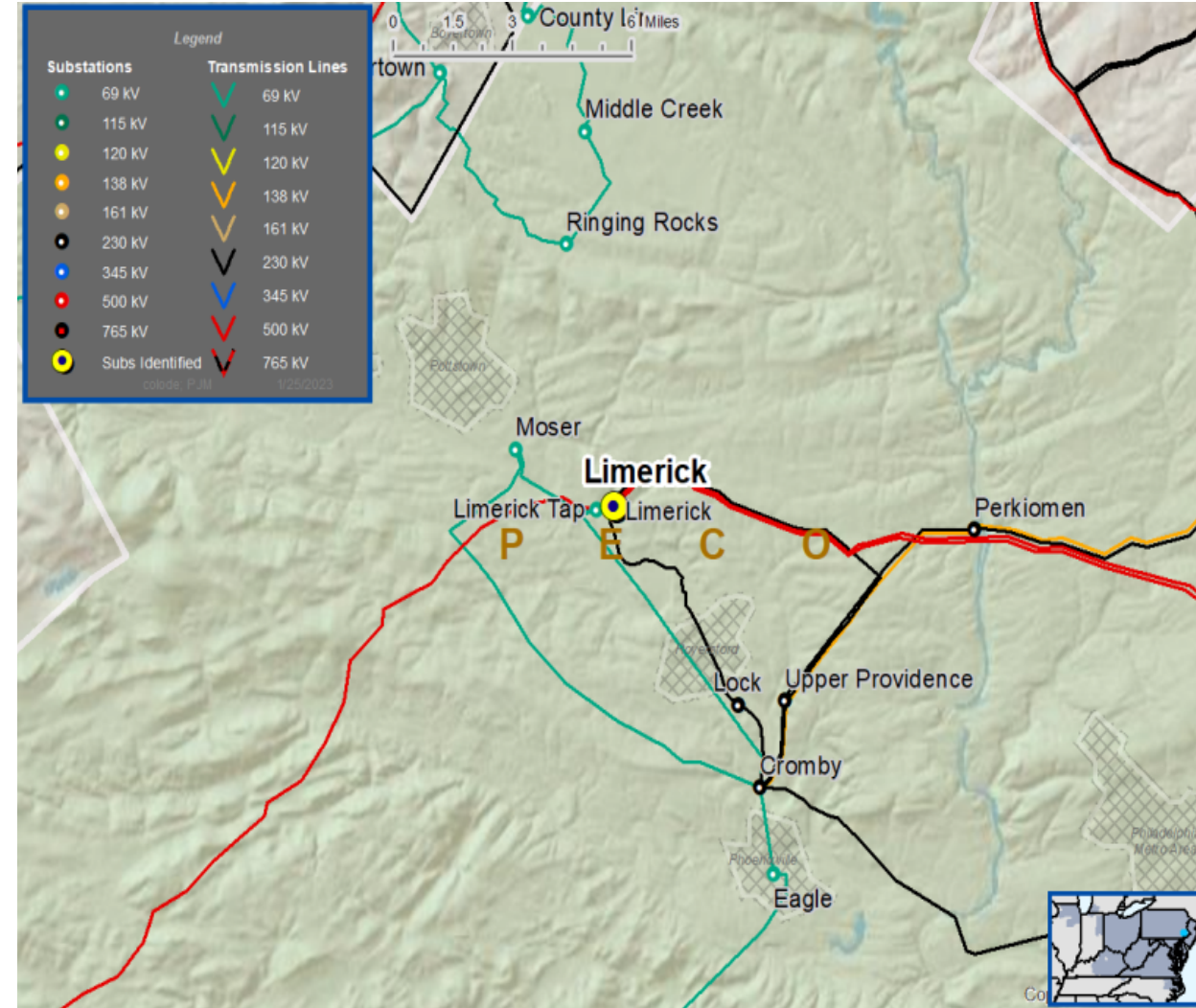
Equipment Material Condition, Performance, and Risk

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:

Limerick 500 kV circuit breaker #355, installed in 1992, is in deteriorating condition, has lack of replacement parts, 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	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

1/27/2023 - V1 – Original version posted to pjm.com

2/8/2023 – V2 – Removed PE-2023-0005 (no longer moving forward)