

Transmission Expansion Advisory Committee – PEPCO Supplemental Projects

August 9, 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

PEPCO Transmission Zone M-3 Process Line Relay Replacement on 230kV Circuit 23058

Need Number: PEP-2022-005

Process Stage: Solution Meeting 08/09/2022

Previously Presented: Need Meeting 07/12/2022

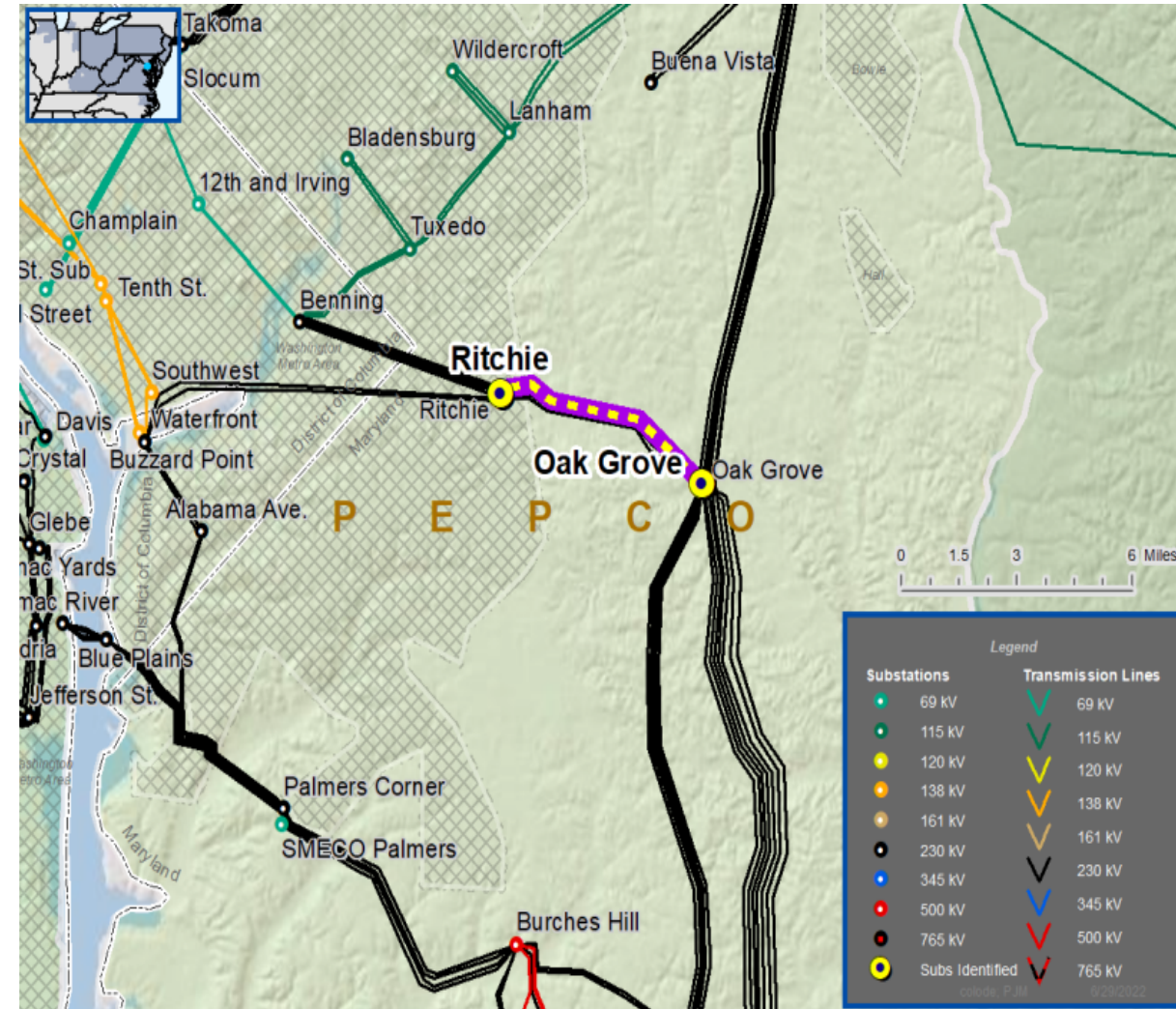
Project Driver: Equipment Material Condition, Performance, and Risk

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 23058 (Oak Grove-Ritchie) has an obsolete relay. It is becoming difficult to service existing an outdated electro-mechanical relay.





PEPCO Transmission Zone M-3 Process Line Relay Replacement on 230kV Circuit 23058

Need Number: PEP-2022-005

Process Stage: Solutions Meeting 08/09/2022

Proposed Solution:

- Upgrade a line relay on 230kV Circuit 23058 (Ritchie – Oak Grove) at Oak Grove Substation

Estimated cost: \$420K

Expected MVA rating changes:

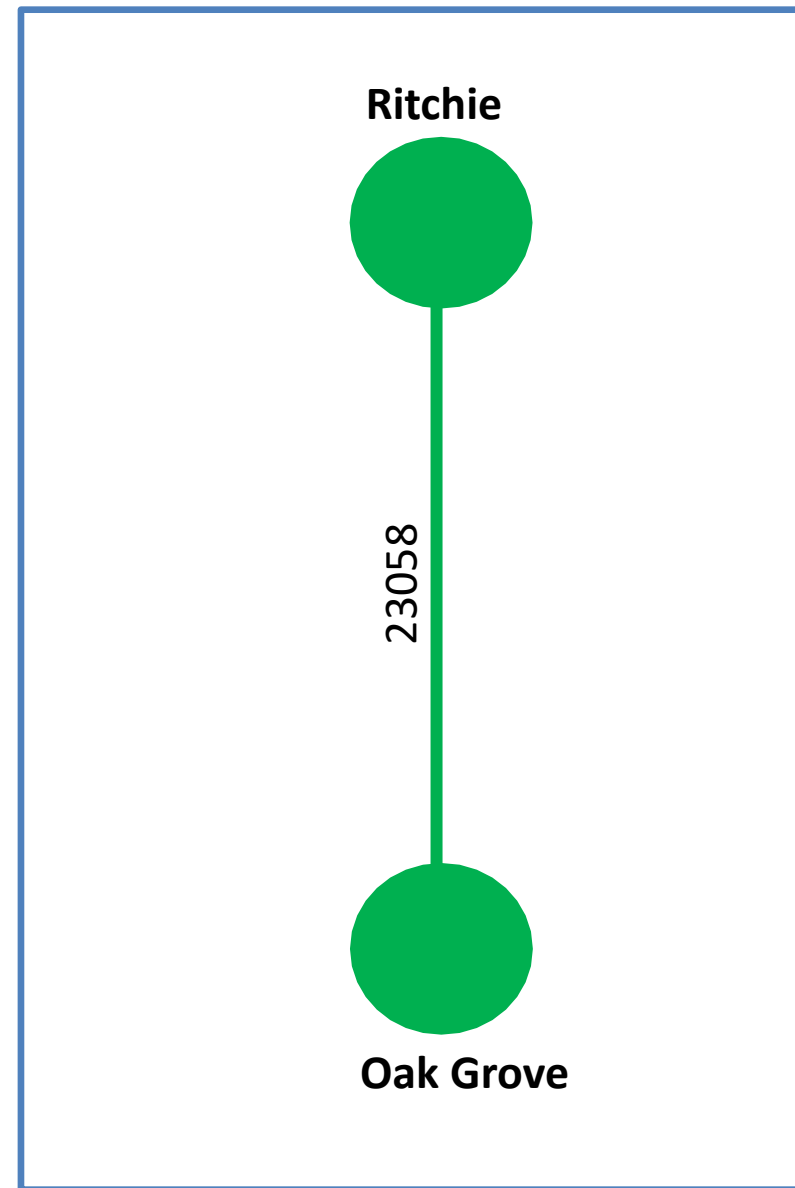
Description	Summer Normal	Summer Emergency	Winter Normal	Winter Emergency
Existing	796	796	796	796
Proposed	1082	1164	1144	1164

Alternatives Considered: None

Projected In-Service: 12/01/2023

Project Status: Conceptual

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

7/29/2022 - V1 – Original version posted to pjm.com

8/10/2022 - V1 – Updated the Exelon logo