

Submission of PEPCO Supplemental Projects for Inclusion in the 2022 Local Plan

Need Number: PEP-2022-001

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 7/20/2022

Previously Presented:

- Need Meeting 02/08/2022
- Solutions Meeting 03/08/2022

Project Driver:

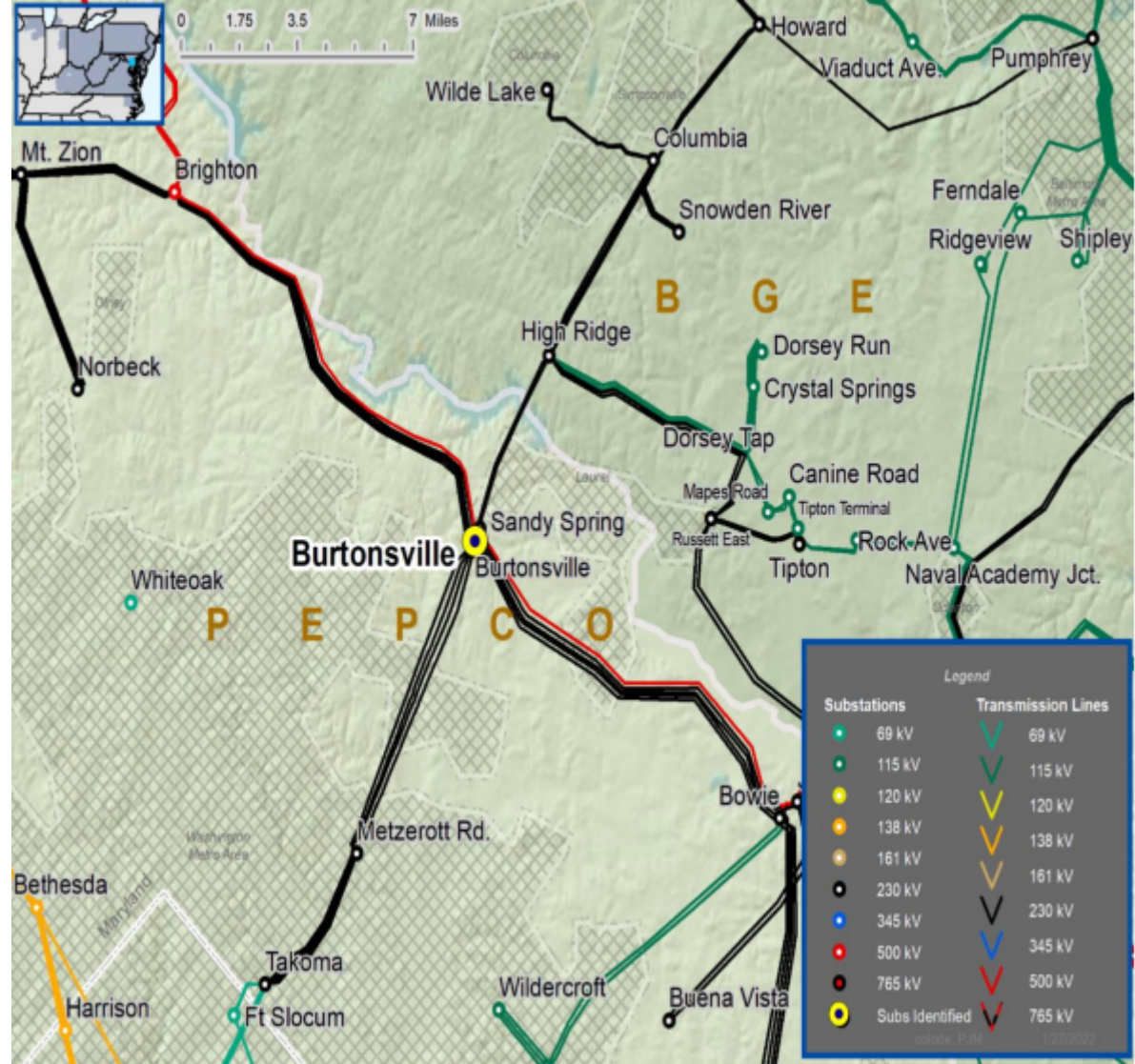
Equipment Material Condition, Performance, and Risk

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:

Burtonsville 230kV oil circuit breaker #3A installed in 1969 is in deteriorating condition, has lack of replacement parts and elevated maintenance cost.



Need Number: PEP-2022-001

Process Stage:

Submission of Supplemental Project for inclusion in the
 Local Plan 7/20/2022

Selected Solution:

Replace 230kV Circuit Breaker #3A at Burtonsville,
 associated disconnect switches and strain bus.

Estimated Cost: \$1.07M

Projected In-Service: 12/01/2022

Supplemental Project ID: s2717

Project Status: Conceptual

Model: 2026 RTEP



Need Number: PEP-2022-002

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 7/20/2022

Previously Presented:

- Need Meeting 02/08/2022
- Solutions Meeting 03/08/2022

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:

Burtonsville 230kV oil circuit breaker #4A installed in 1969 is in deteriorating condition, has lack of replacement parts and elevated maintenance cost.



Need Number: PEP-2022-002

Process Stage:

Submission of Supplemental Project for inclusion in the
 Local Plan 7/20/2022

Selected Solution:

Replace 230kV Circuit Breaker #4A at Burtonsville,
 associated disconnect switches and strain bus.

Estimated Cost: \$1.07M

Projected In-Service: 04/01/2023

Supplemental Project ID: s2718

Project Status: Engineering

Model: 2026 RTEP



Need Number: PEP-2022-003

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 7/20/2022

Previously Presented:

- Need Meeting 02/08/2022
- Solutions Meeting 03/08/2022

Project Driver:

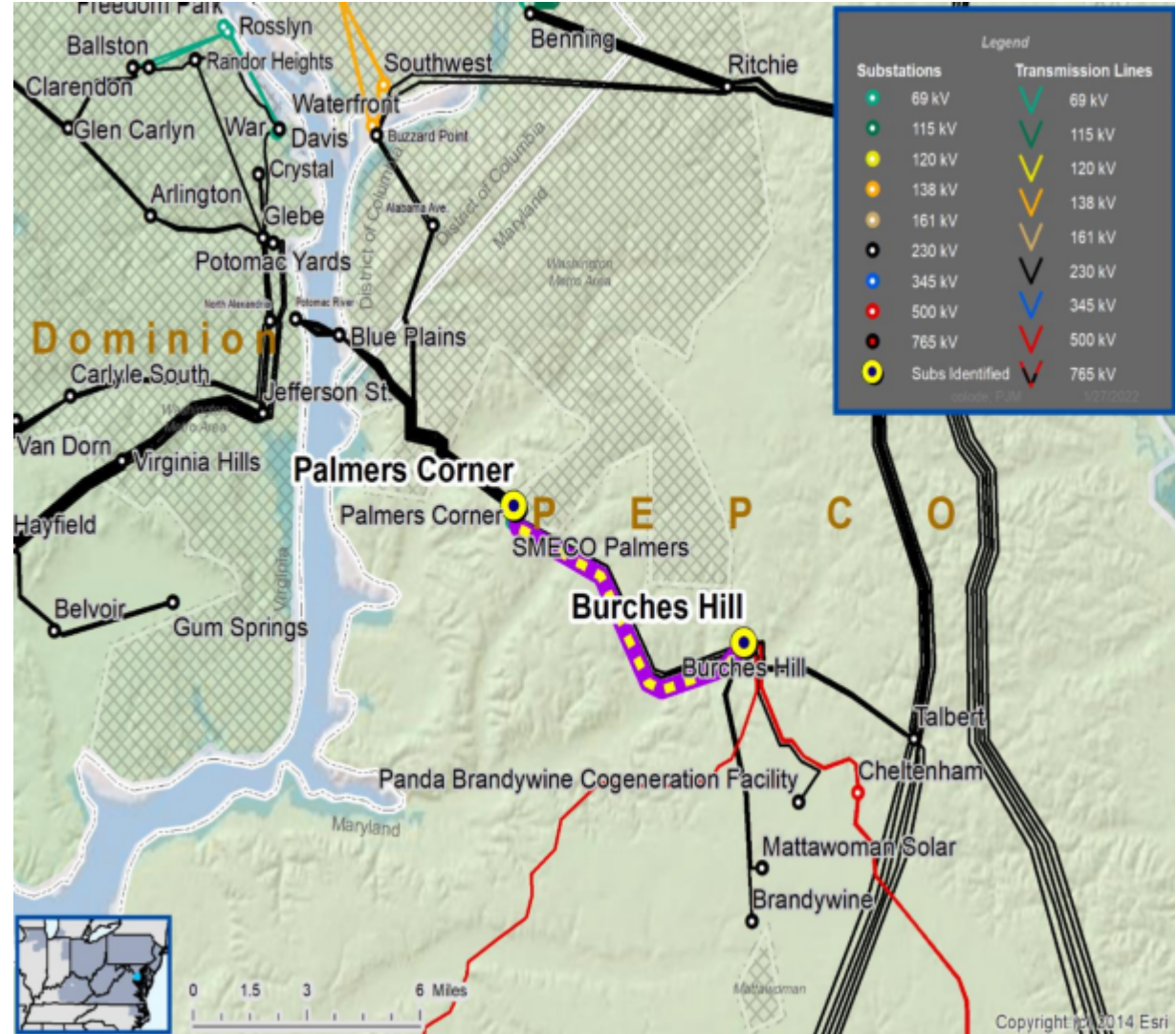
Equipment Material Condition, Performance, and Risk

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 23090 (Burches Hill – Palmers Corner) has obsolete relays. It is becoming difficult to service existing outdated electro-mechanical relays.





PEPCO Transmission Zone M-3 Process
23090 (Burches Hill - Palmers Corner) Relay replacement

Need Number: PEP-2022-003

Process Stage:

Submission of Supplemental Project for inclusion in the
Local Plan 7/20/2022

Selected Solution:

Upgrade relays & metering on 230kV Circuit 23090
(Burches Hill – Palmers Corner)

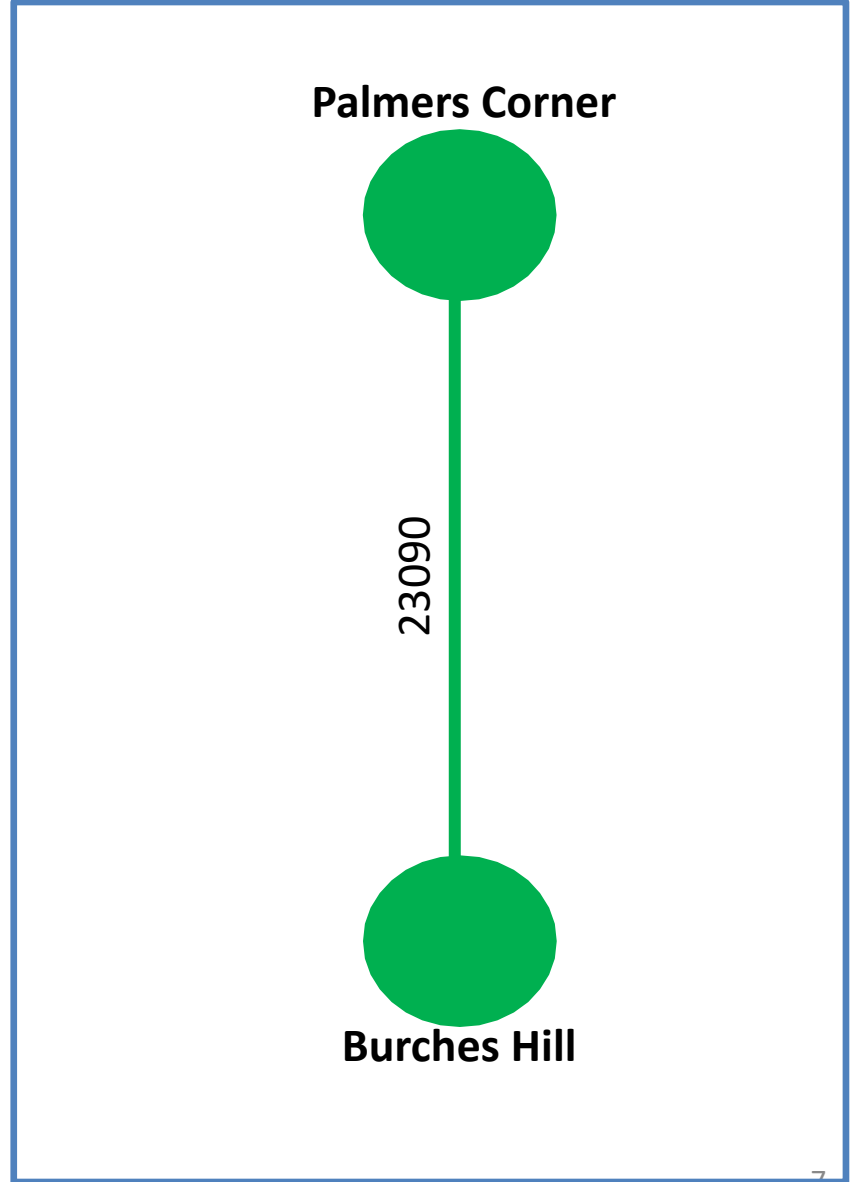
Estimated Cost: \$264K

Projected In-Service: 12/01/2022

Supplemental Project ID: s2719

Project Status: Conceptual

Model: 2026 RTEP



Need Number: PEP-2022-004

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 08/17/2022

Previously Presented:

- Need Meeting 03/08/2022
- Solutions Meeting 04/12/2022

Project Driver:

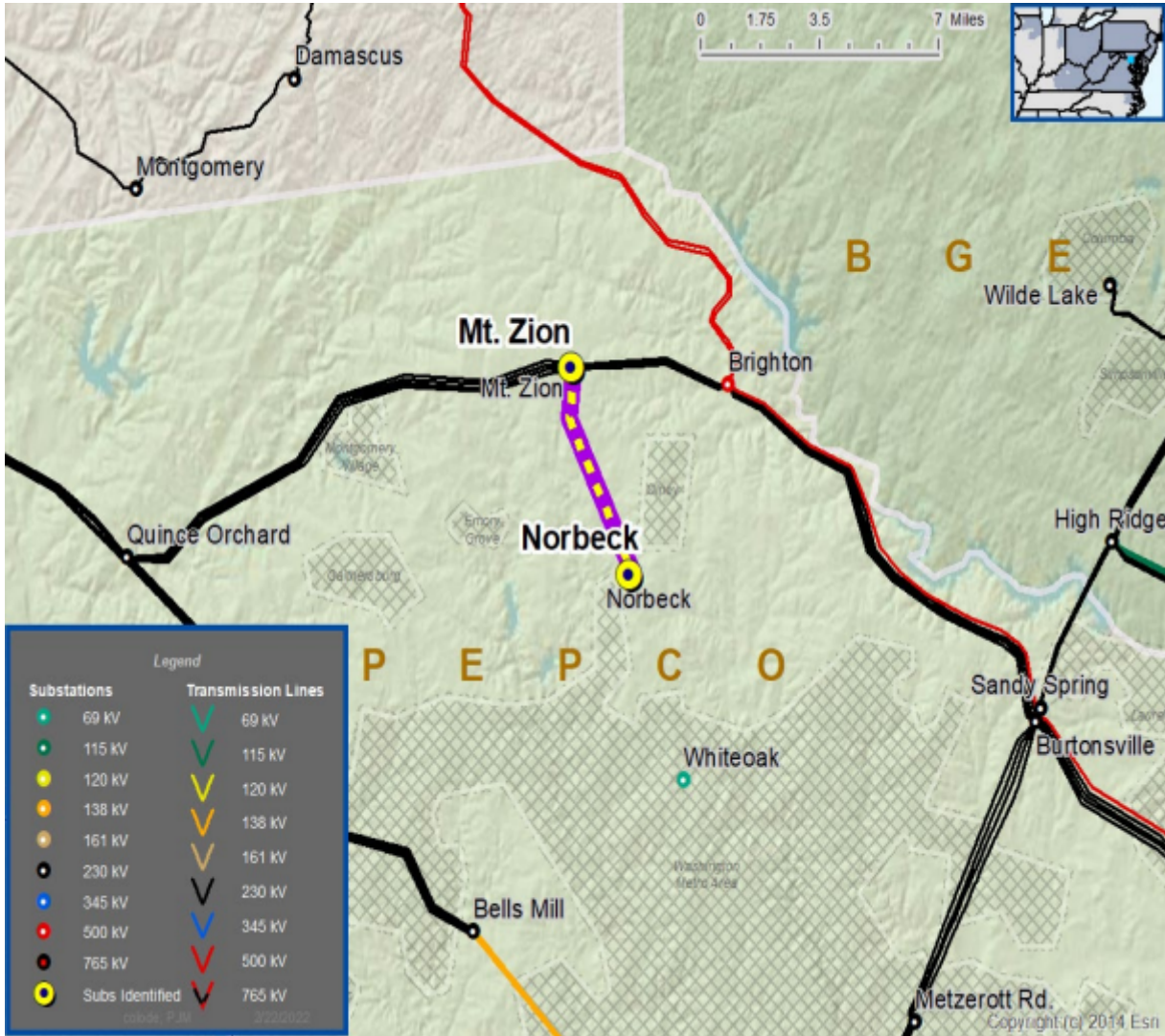
Equipment Material Condition, Performance, and Risk

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 23008 (Mt. Zion - Norbeck) has obsolete relays. It is becoming difficult to service existing outdated electro-mechanical relays.





PEPCO Transmission Zone M-3 Process Line Relay Replacement on 230kV Circuit 23008

Need Number: PEP-2022-004

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 08/17/2022

Selected Solution:

Upgrade relays & metering on 230kV Circuit 23008 (Mt. Zion - Norbeck) at Norbeck Substation

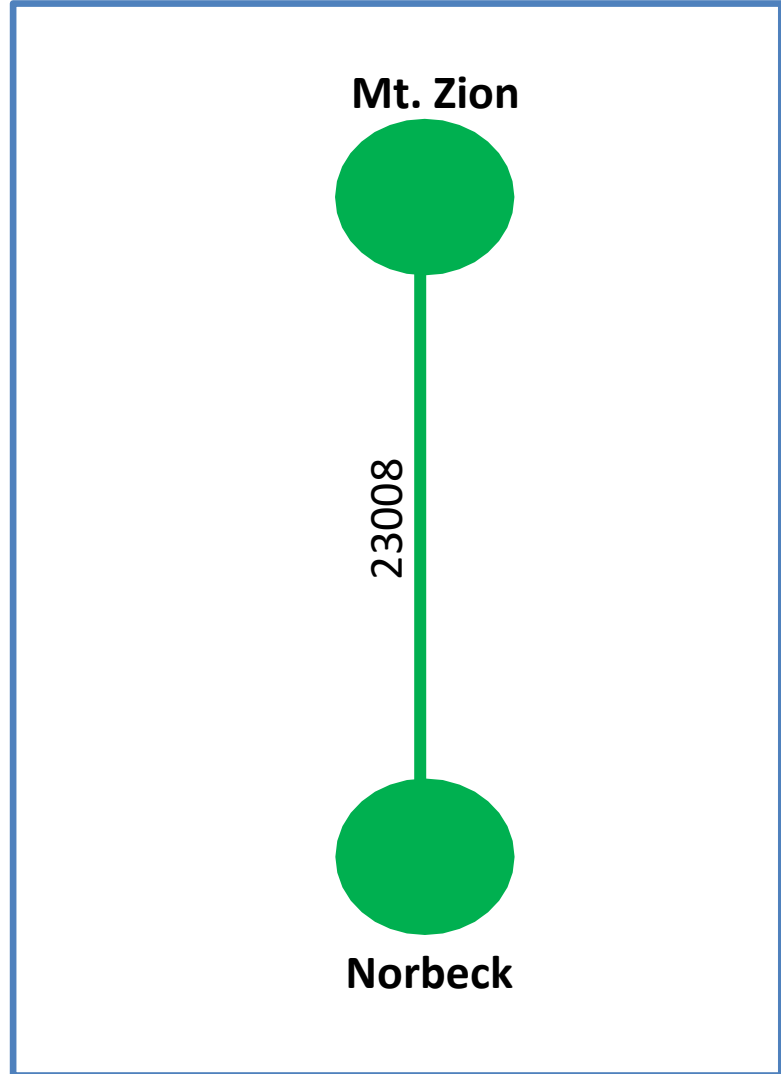
Estimated Cost: \$400K

Projected In-Service: 10/27/2022

Supplemental Project ID: s2727

Project Status: Engineering

Model: 2026 RTEP



Need Number: PEP-2022-005

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/11/2022

Previously Presented:

- Need Meeting 07/12/2022
- Solution Meeting 08/09/2022

Project Driver:

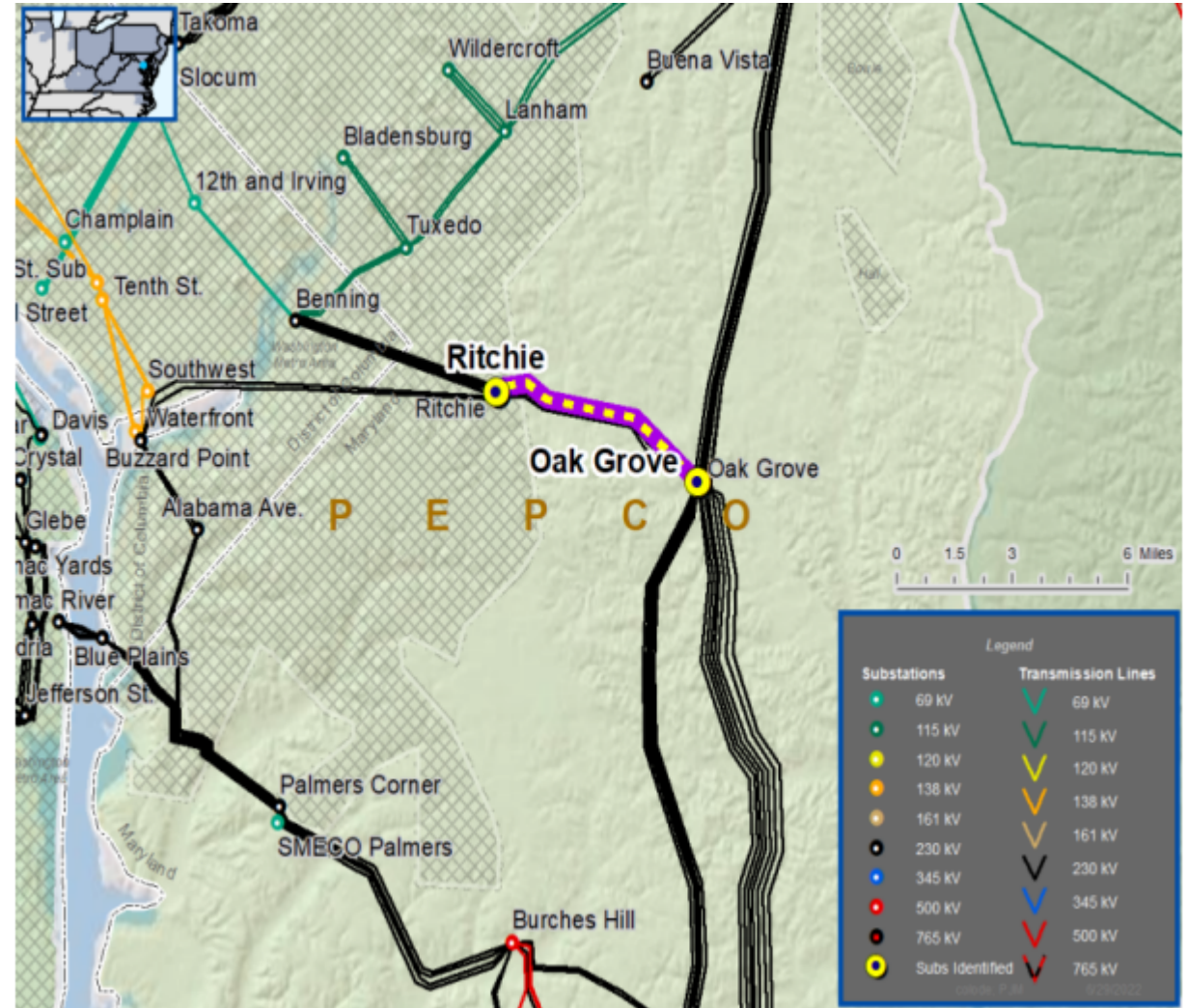
Equipment Material Condition, Performance, and Risk.

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 an existing outdated electro-mechanical relay.





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

Need Number: PEP-2022-005

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/11/2022

Selected Solution:

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

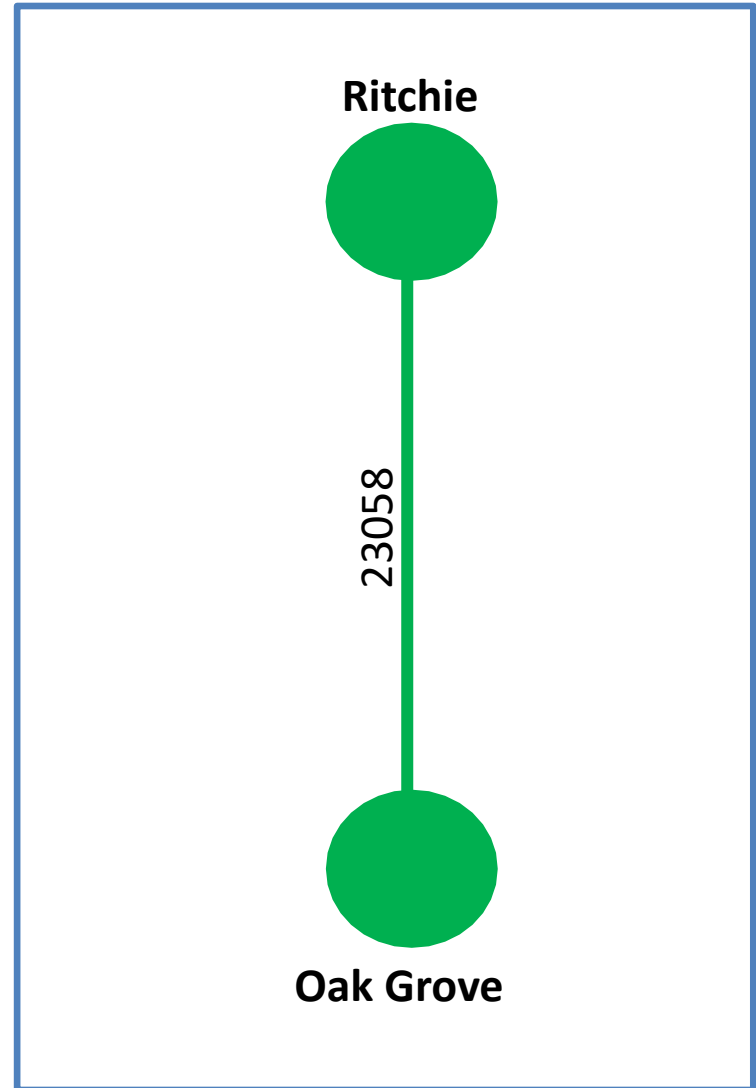
Estimated Cost: \$420K

Projected In-Service: 12/01/2023

Supplemental Project ID: s2751

Project Status: Conceptual

Model: 2027 RTEP



Revision History

8/3/2022 – V1 – Local Plan for s2717, s2718, and s2719 posted

8/17/2022 – V2 – Added s2727

10/11/2022 – V3 Added local plan for s2751