

PEPCO 2023
Submission of Supplemental Projects for
Inclusion in the Local Plan

Need Number: PEP-2023-001

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/03/2023

Previously Presented:

- Need Meeting 5/9/2023
- Solutions Meeting 7/11/2023

Project Driver:

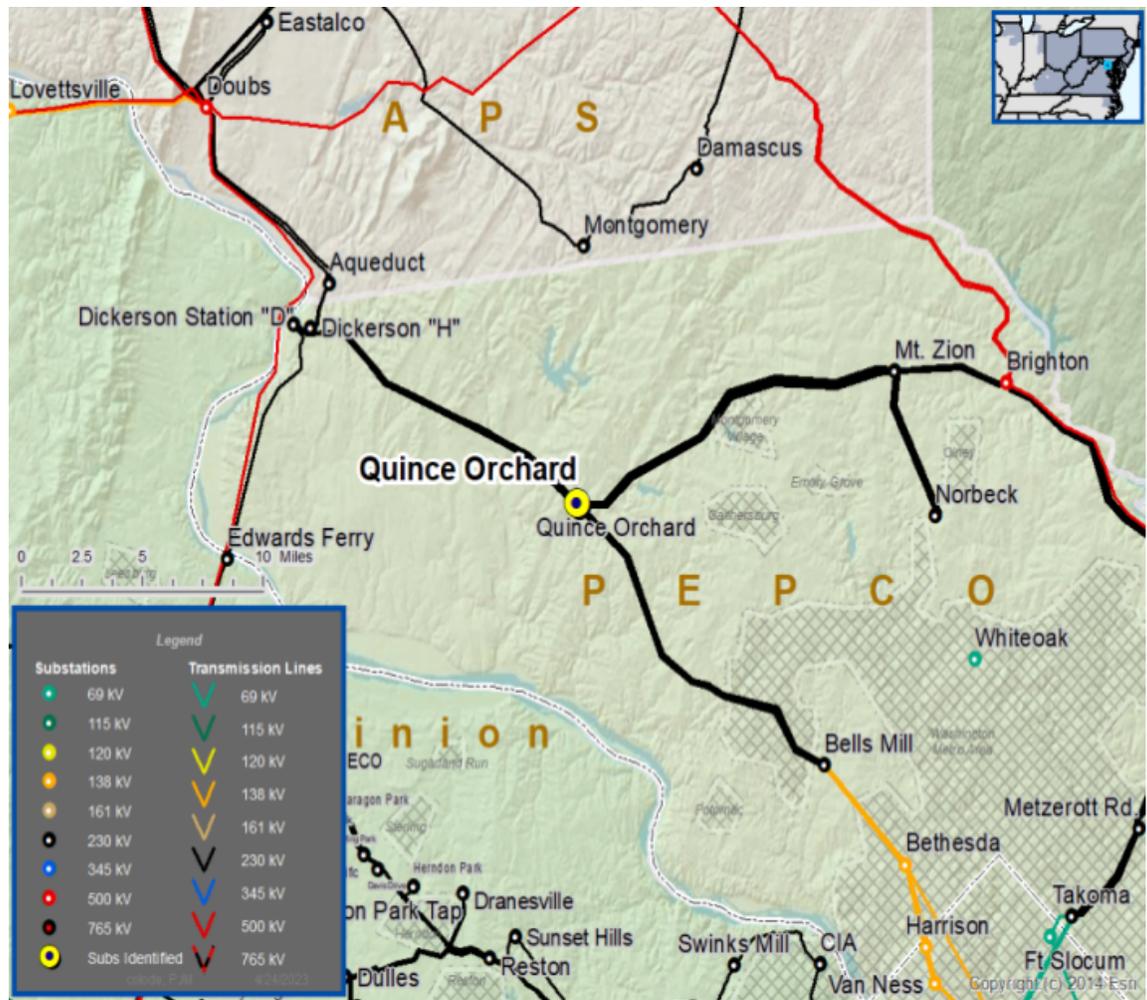
Equipment Material Condition, Performance, and Risk

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:

230kV circuit breaker 1A at Quince Orchard substation was installed in 1963. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



Need Number: PEP-2023-001

Process Stage:

Submission of Supplemental Project for inclusion in the
 Local Plan 10/03/2023

Selected Solution:

Replace the existing 230kV oil circuit breaker 1A at
 Quince Orchard

Estimated Cost: \$0.6M

Projected In-Service: 10/1/2024

Supplemental Project ID: s2973

Project Status: Conceptual

Model: RTEP 2027



Need Number: PEP-2023-002

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/03/2023

Previously Presented:

- Need Meeting 5/9/2023
- Solutions Meeting 7/11/2023

Project Driver:

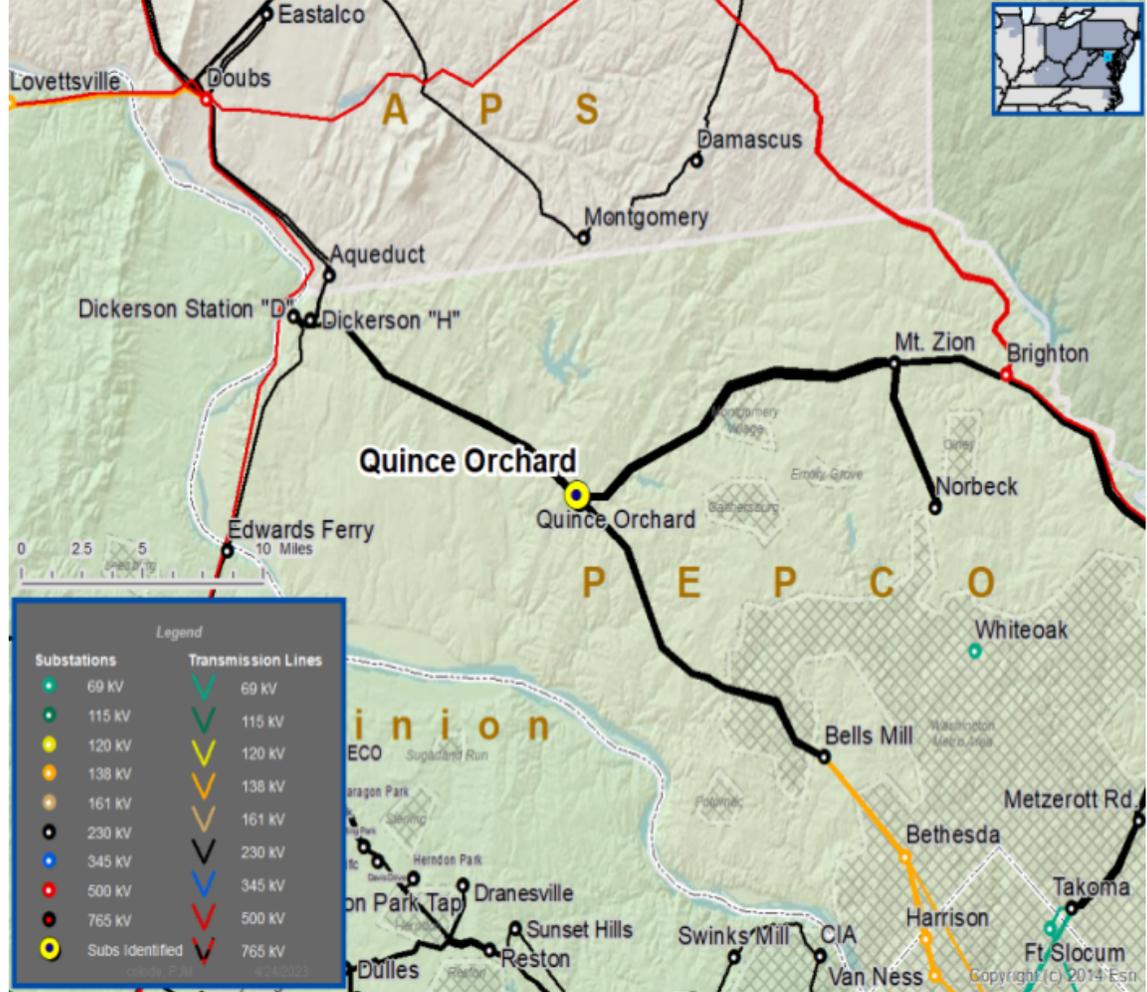
Equipment Material Condition, Performance, and Risk

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:

230kV circuit breaker 6A at Quince Orchard substation was installed in 1963. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



Need Number: PEP-2023-002

Process Stage:

Submission of Supplemental Project for inclusion in the
 Local Plan 10/03/2023

Selected Solution:

Replace the existing 230kV oil circuit breaker 6A at
 Quince Orchard

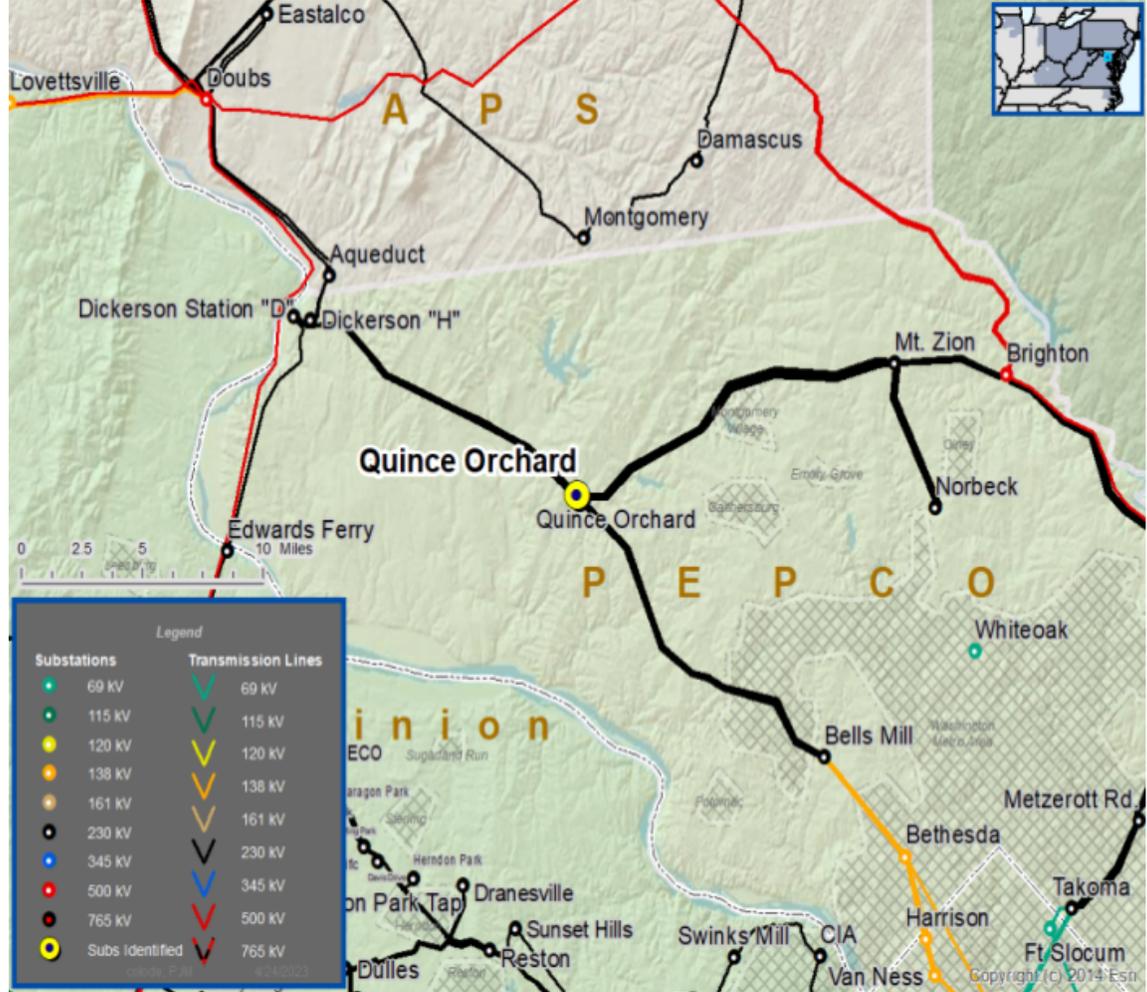
Estimated Cost: \$0.6M

Projected In-Service: 10/1/2024

Supplemental Project ID: s2974

Project Status: Conceptual

Model: RTEP 2027



Need Number: PEP-2023-003

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/03/2023

Previously Presented:

- Need Meeting 5/9/2023
- Solutions Meeting 7/11/2023

Project Driver:

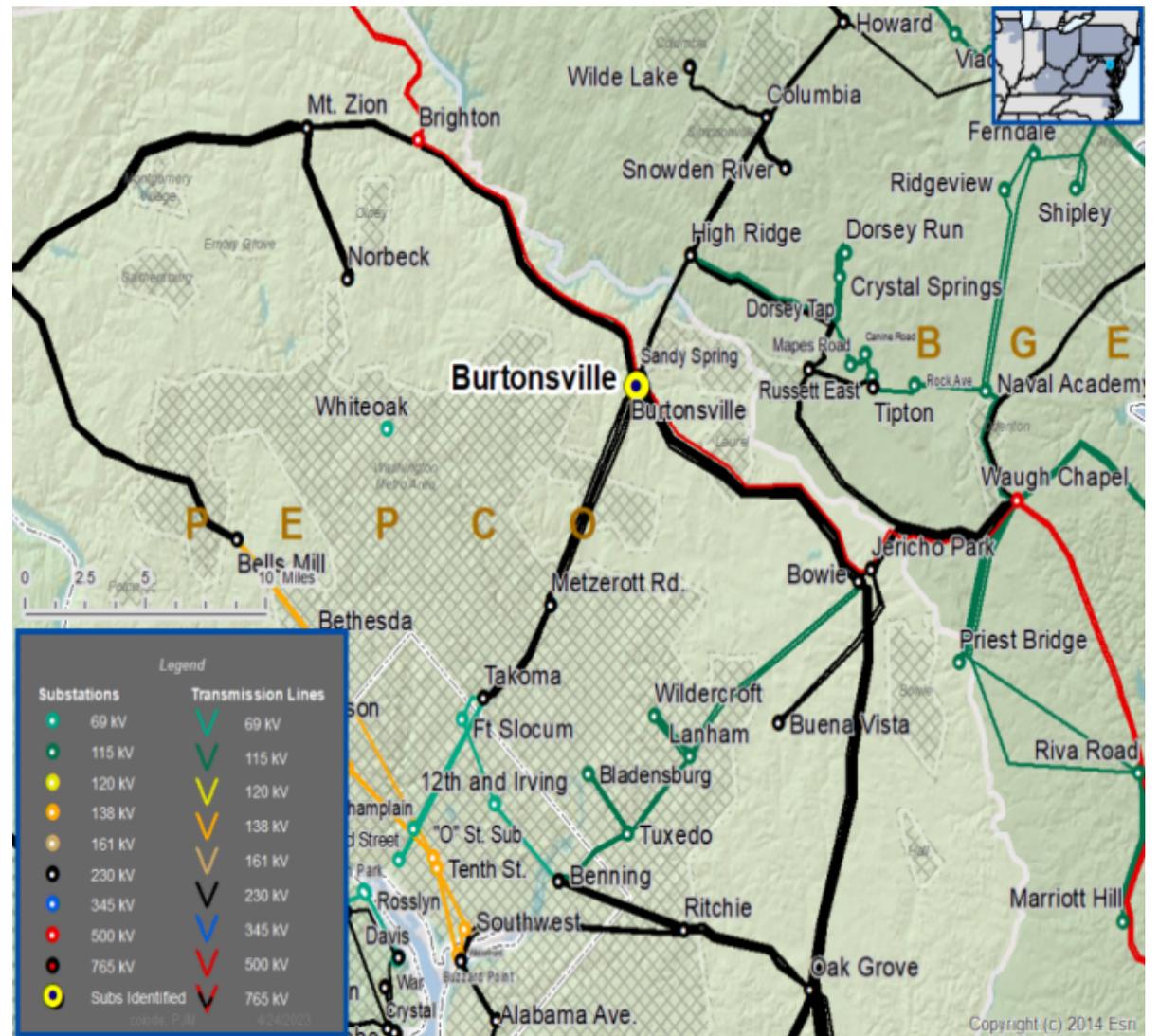
Equipment Material Condition, Performance, and Risk

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:

230kV circuit breaker 4B at Burtonsville substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.





PEPCO Transmission Zone M-3 Process Burtonsville 230kV Breaker 4B Replacement

Need Number: PEP-2023-003

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/03/2023

Selected Solution:

Replace the existing 230kV oil circuit breaker 4B at Burtonsville

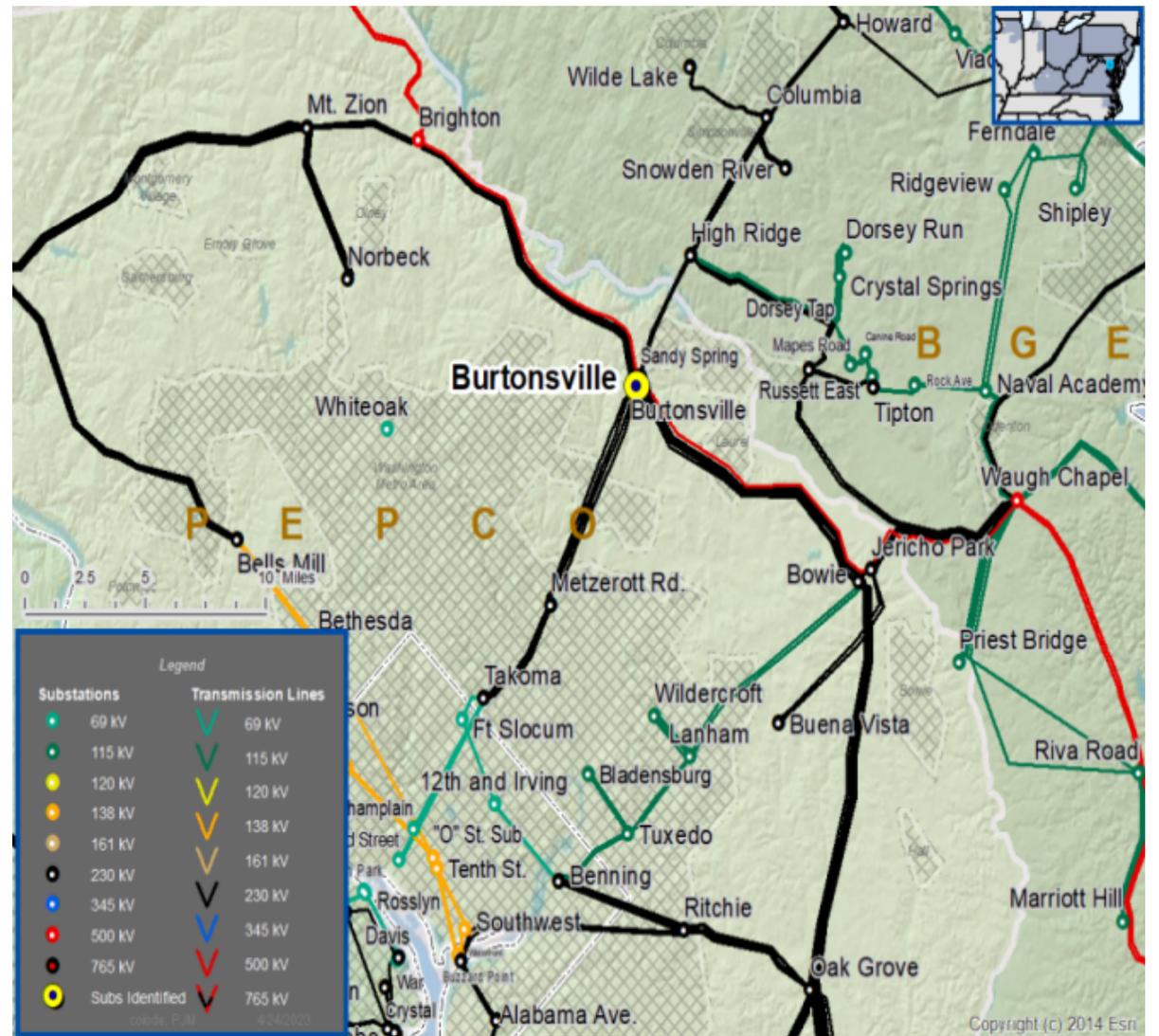
Estimated Cost: \$0.6M

Projected In-Service: 12/1/2023

Supplemental Project ID: s2975

Project Status: Construction

Model: RTEP 2027



Need Number: PEP-2023-004

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/03/2023

Previously Presented:

- Need Meeting 5/9/2023
- Solutions Meeting 7/11/2023

Project Driver:

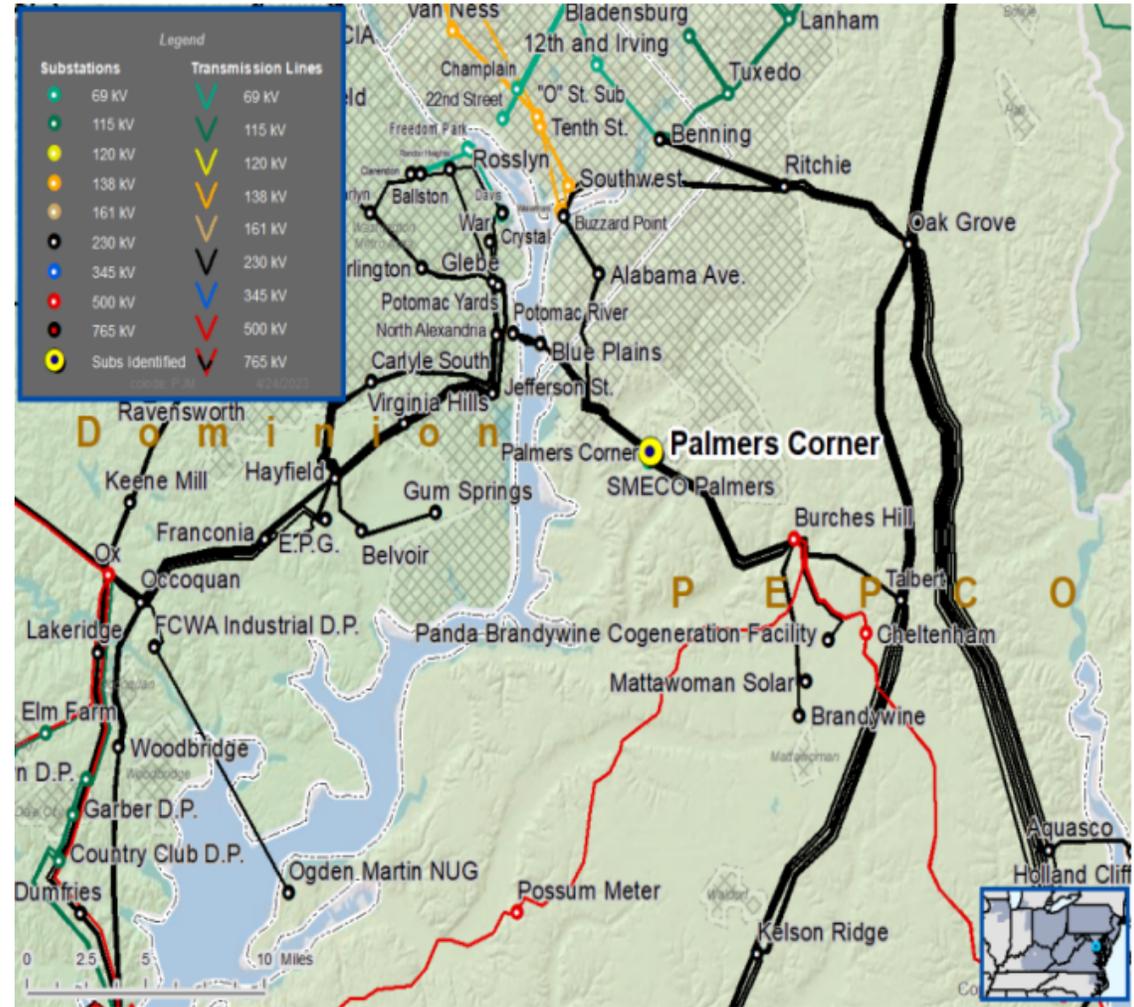
Equipment Material Condition, Performance, and Risk

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:

230kV circuit breaker 3C at Palmers Corner substation was installed in 1973. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



Need Number: PEP-2023-004

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/03/2023

Selected Solution:

Replace the existing 230kV oil circuit breaker 3C at Palmers Corner

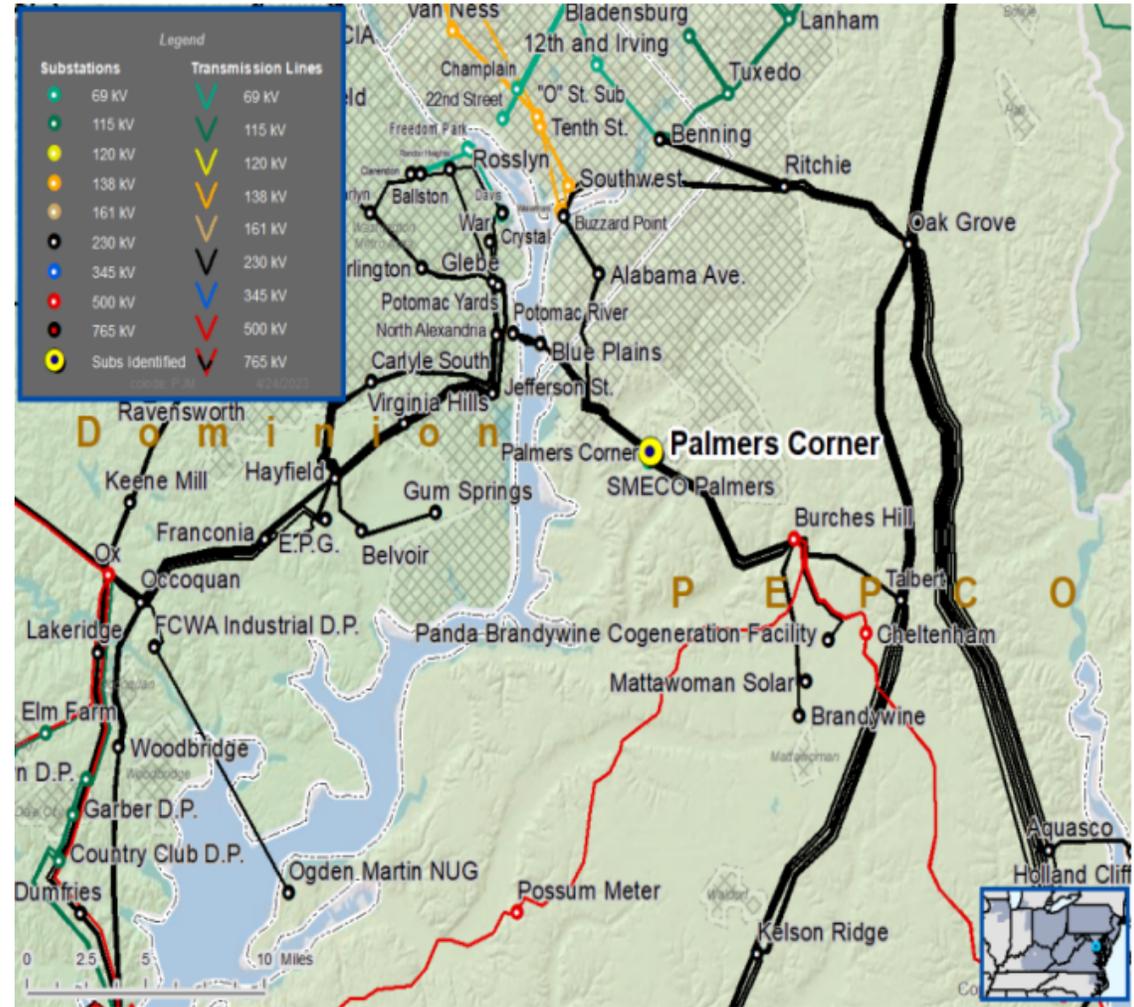
Estimated Cost: \$0.6M

Projected In-Service: 1/30/2024

Supplemental Project ID: s2976

Project Status: Engineering

Model: RTEP 2027



Revision History

10/03/2023 – V1 – Added local plan for s2973,s2974,s2975,s2976