PEPCO 2024
Submission of Supplemental Projects for Inclusion in the Local Plan

Submission of Supplemental Projects for Inclusion in the Local Plan

Need Number: PEP-2023-011

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 4/25/2024

Previously Presented:

- Need Meeting 10/19/2023
- Solutions Meeting 11/16/2023

Project Driver:

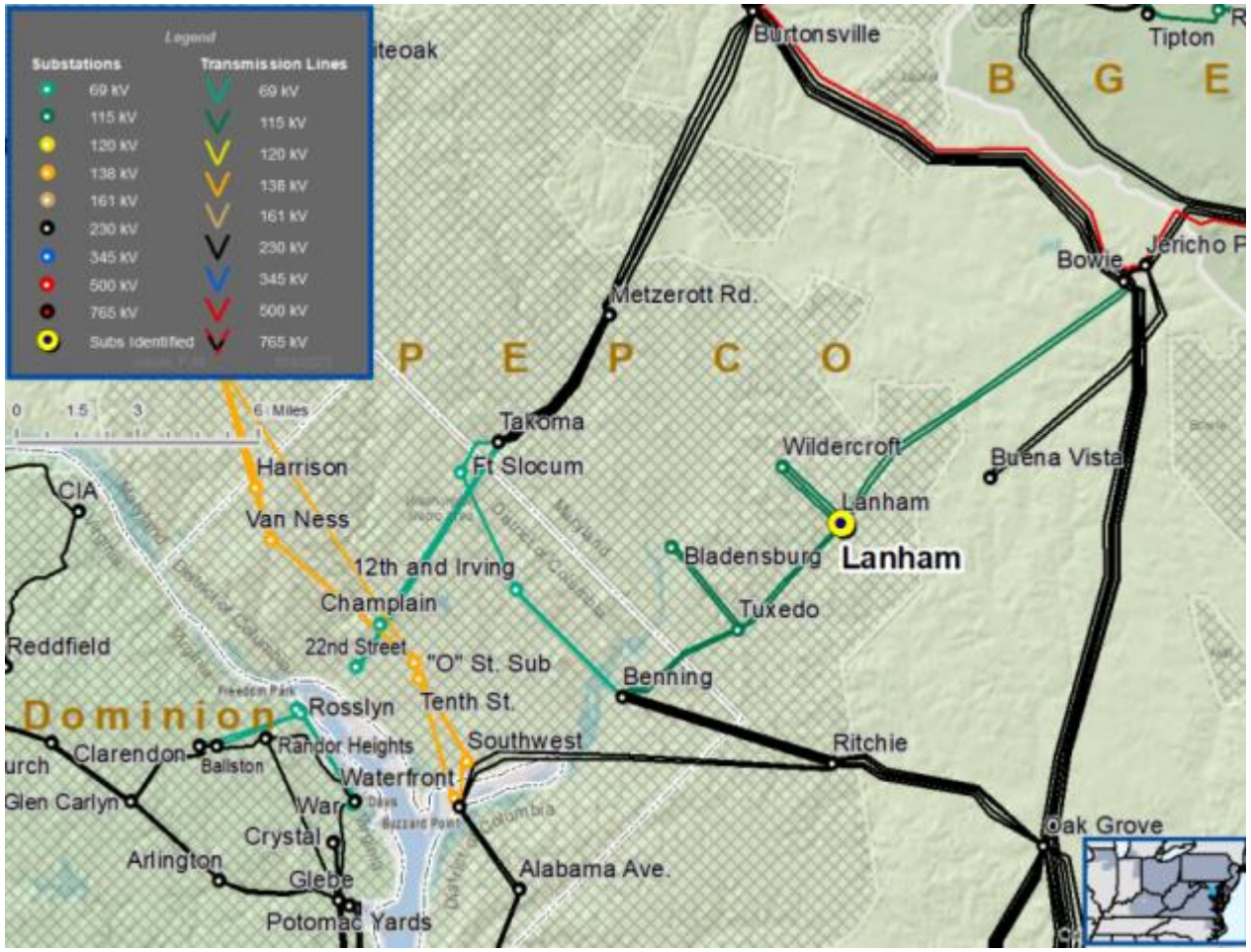
Equipment Material Condition, Performance, and Risk

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:

115kV circuit breaker 2A at Lanham substation was installed in 1962. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Need Number: PEP-2023-011

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 4/25/2024

Selected Solution:

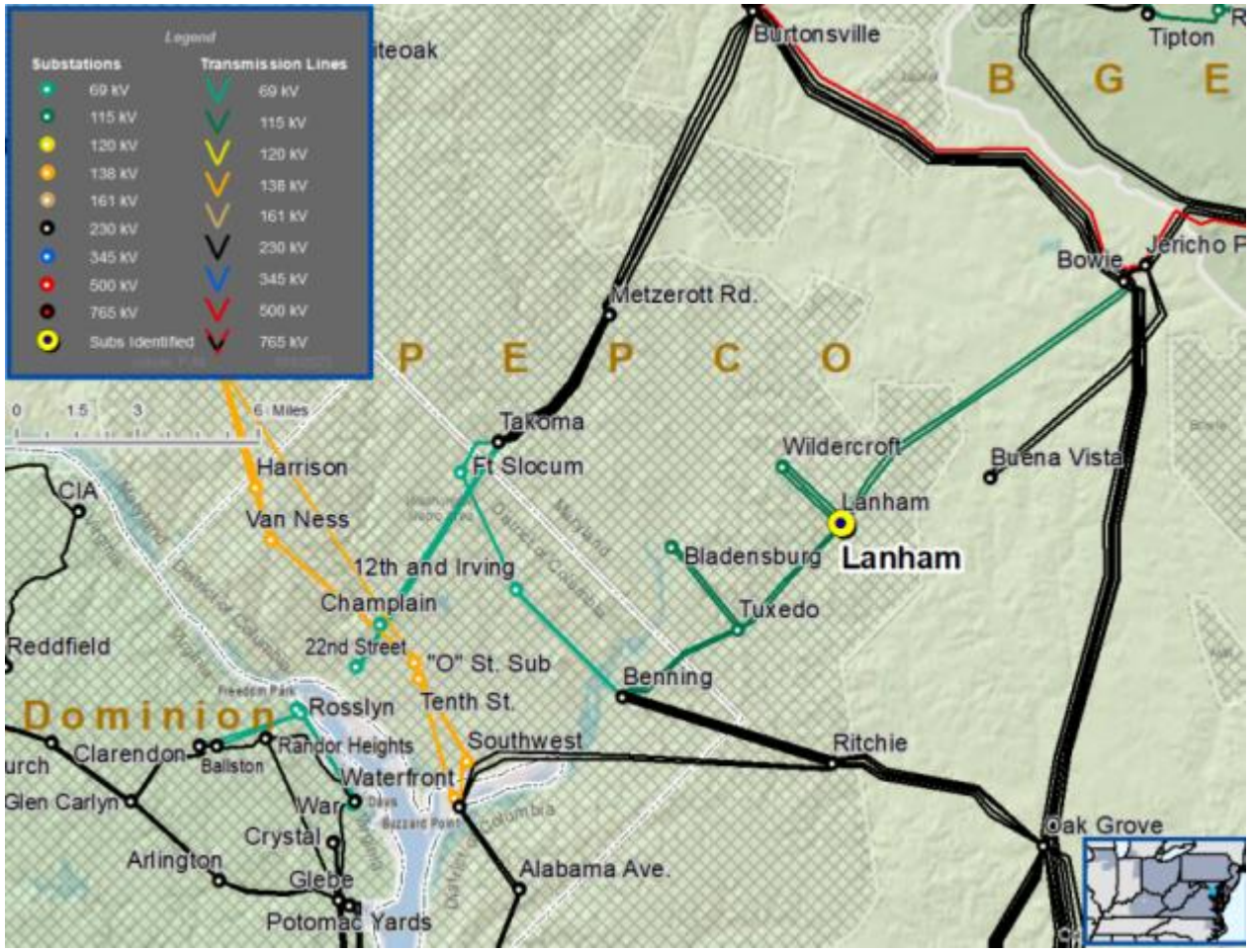
Replace the existing 115kV oil circuit breaker 2A at Lanham

Estimated Cost: $675k

Projected In-Service: 10/23/2025

Supplemental Project ID: s3208.1

Project Status: Engineering



Need Number: PEP-2023-012

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 4/25/2024

Previously Presented:

- Need Meeting 10/19/2023
- Solutions Meeting 11/16/2023

Project Driver:

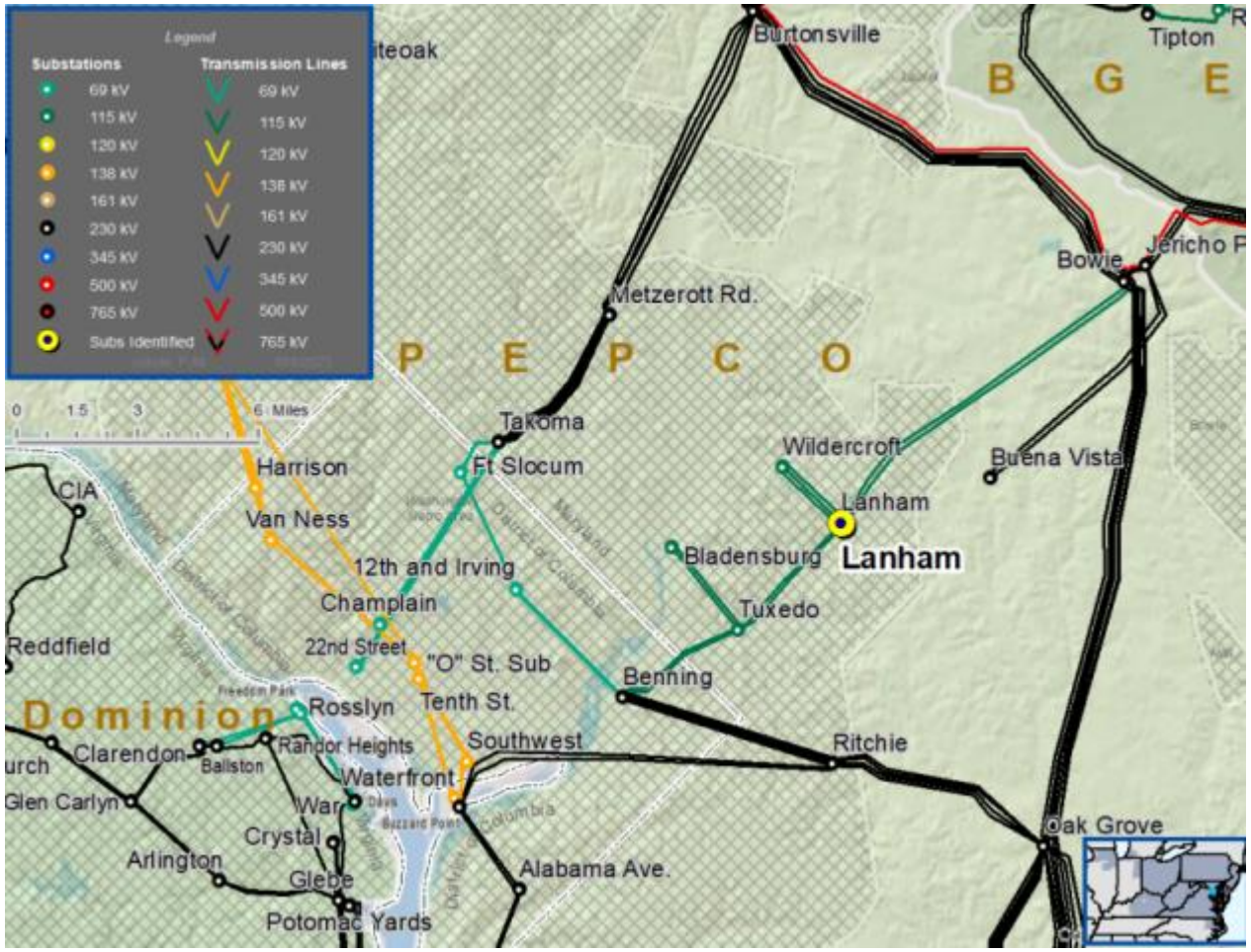
Equipment Material Condition, Performance, and Risk

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:

115kV circuit breaker 3A at Lanham substation was installed in 1964. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Need Number: PEP-2023-012

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 4/25/2024

Selected Solution:

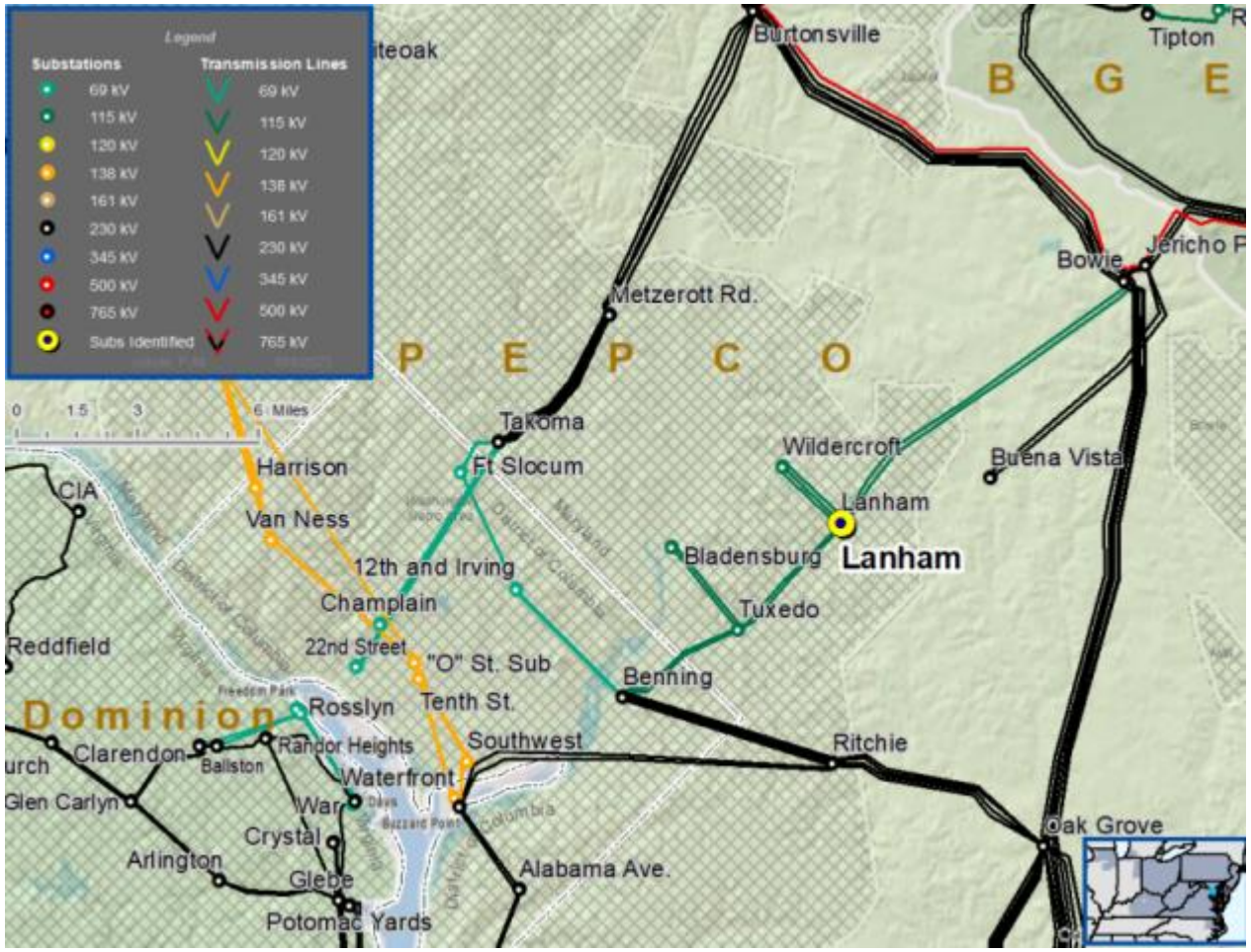
Replace the existing 115kV oil circuit breaker 3A at Lanham

Estimated Cost: $675k

Projected In-Service: 10/23/2025

Supplemental Project ID: s3209.1

Project Status: Engineering



Need Number: PEP-2023-006

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 4/25/2024

Previously Presented:

- Need Meeting 9/14/2023
- Solutions Meeting 10/19/2023

Project Driver:

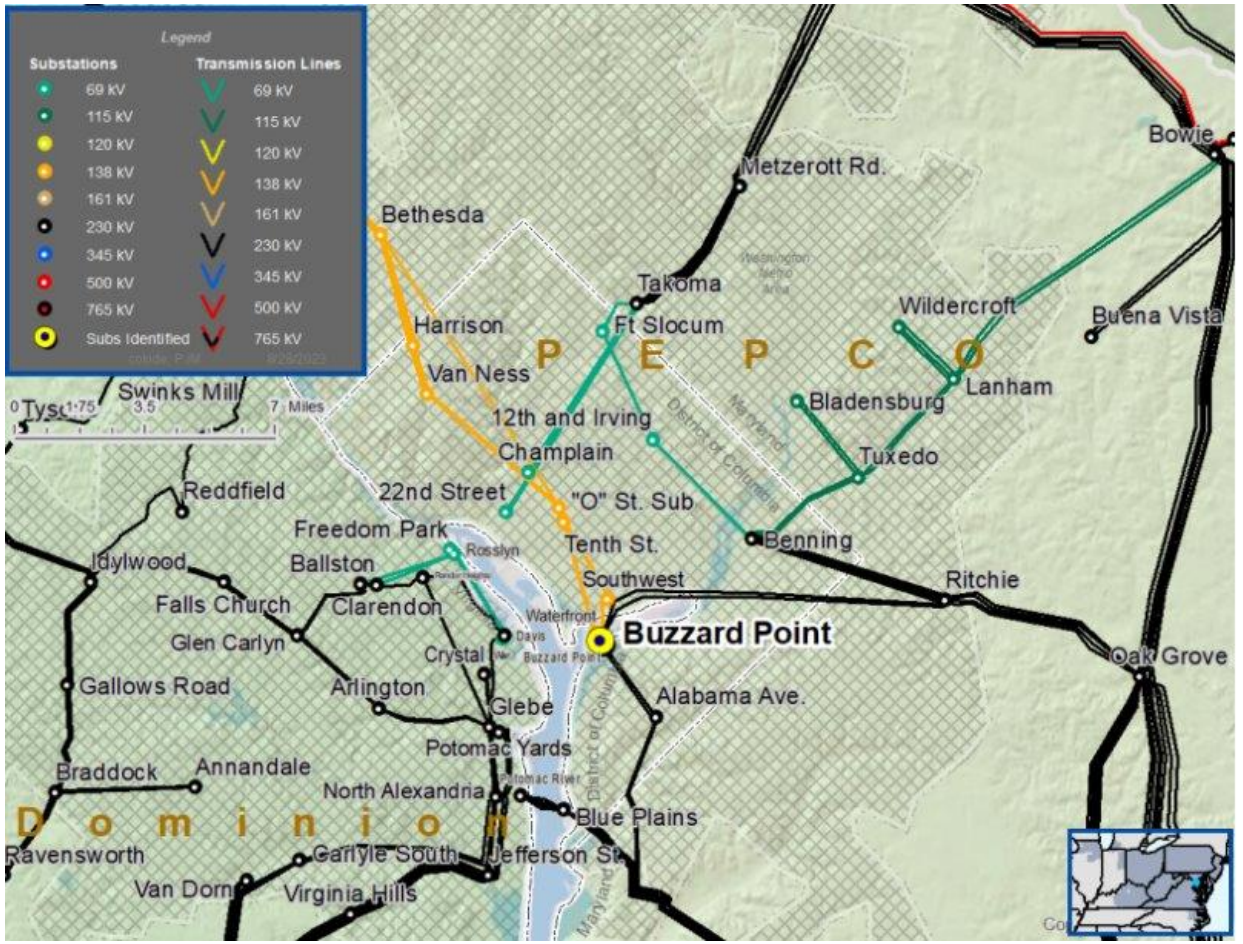
Equipment Material Condition, Performance, and Risk

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:

- 138kV circuit breaker 7TS at Buzzard Point substation was installed in 1972. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.



Need Number: PEP-2023-006

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 4/25/2024

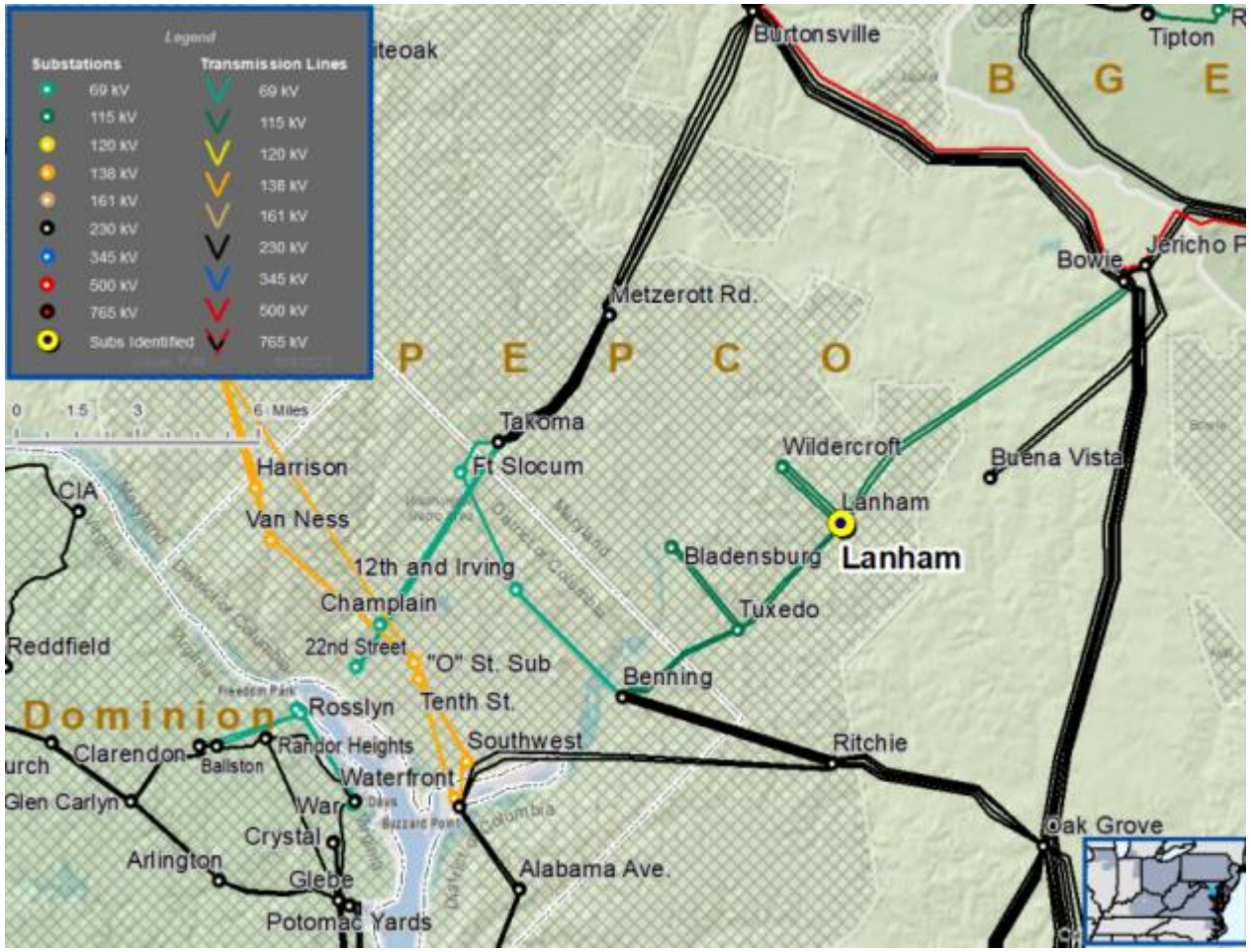
Selected Solution:
Replace the existing 138kV oil circuit breaker 7TS at Buzzard Point

Estimated Cost: $675k

Projected In-Service: 12/1/2024

Supplemental Project ID: s3203.1

Project Status: Engineering



PEPCO Transmission Zone M-3 Process
Buzzard Point 13B & 14B Breaker Replacements

Need Number: PEP-2024-001

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 5/31/2024

Previously Presented:

- Need Meeting 3/14/2024
- Solutions Meeting 4/18/2024

Project Driver:

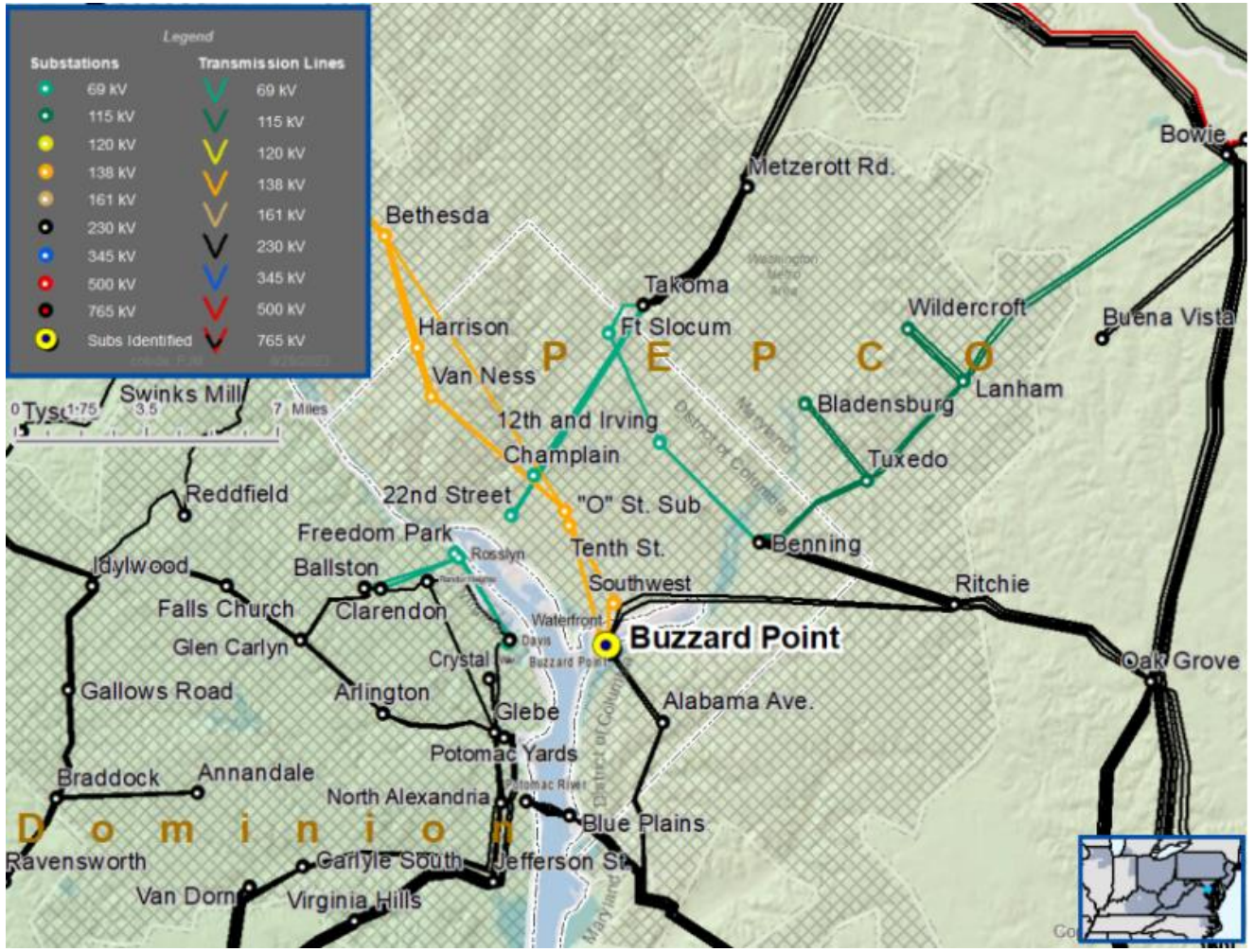
Equipment Material Condition, Performance, and Risk

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:

Station	Description	Installation Year	Problem statement
Buzzard Point	138kV 13B Breaker	1978	These breakers are in deteriorating condition, have a lack of replacement parts, and have elevated maintenance cost.
	138kV 14B Breaker	1978	



PEPCO Transmission Zone M-3 Process
Buzzard Point 13B & 14B Breaker Replacements

Need Number: PEP-2024-001

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 5/31/2024

Selected Solution:

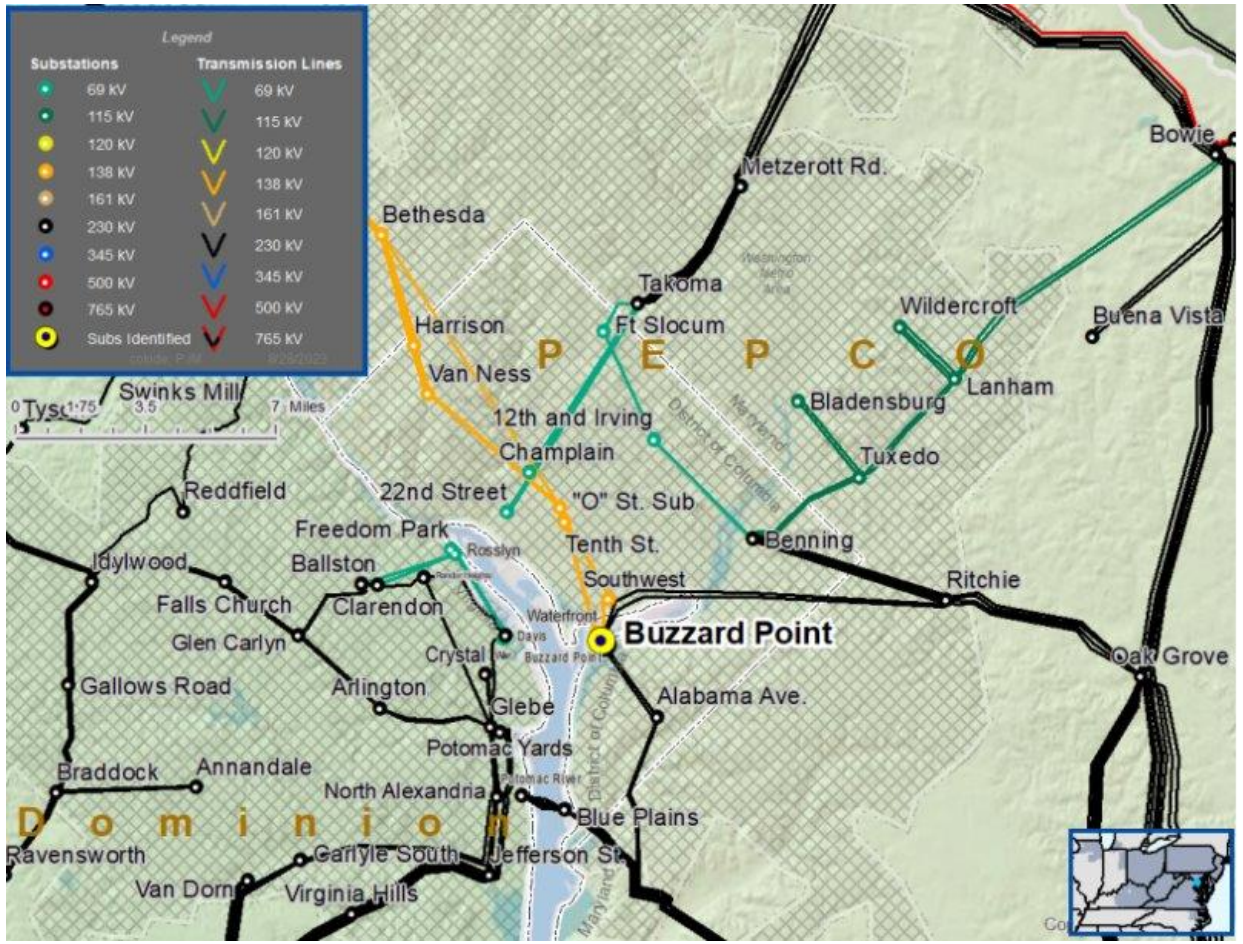
Replace the existing 138kV oil circuit breakers 13B & 14B at Buzzard Point.

Estimated Cost: $300k

Projected In-Service: 12/31/2024

Supplemental Project ID: s3312.1

Project Status: Engineering



Need Number: PEP-2023-013

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

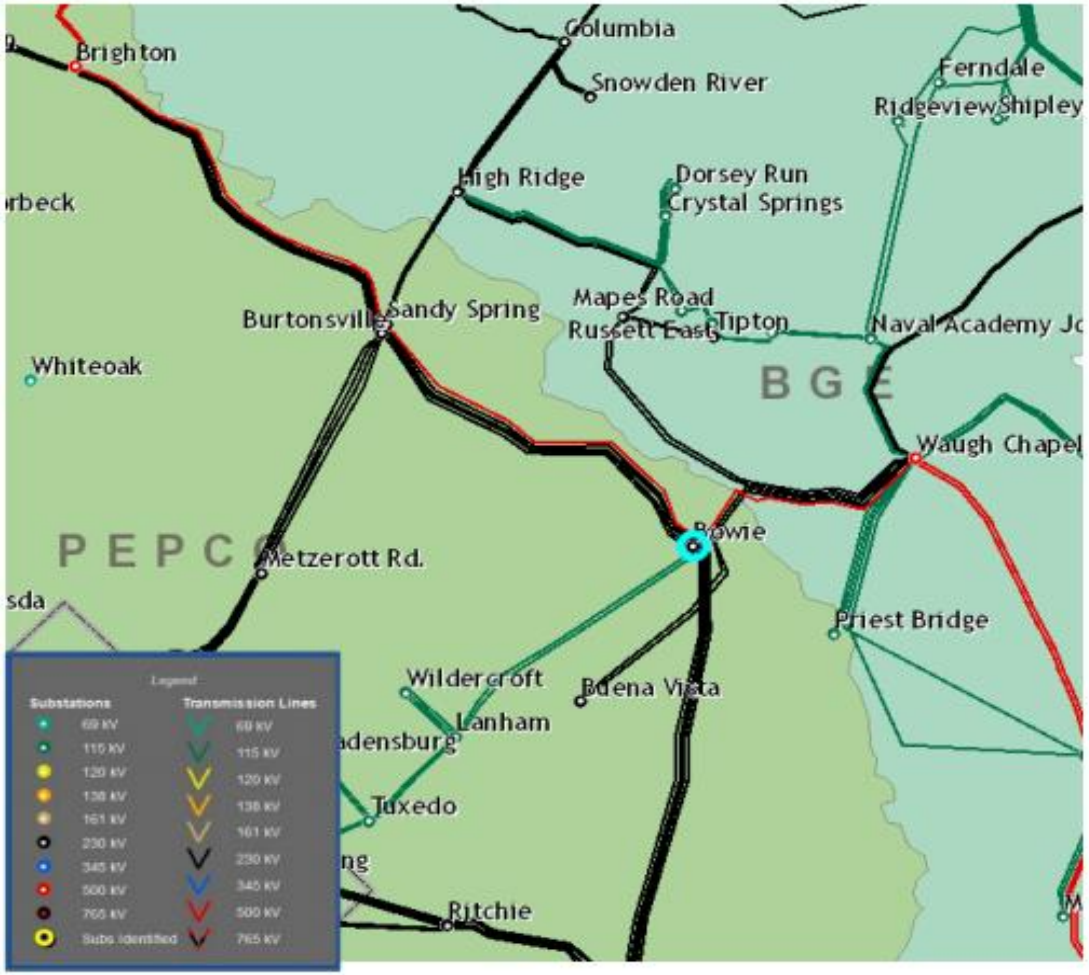
Equipment Material Condition, Performance, and Risk

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 Bowie substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Bowie 230kV 1A Breaker Replacement

Need Number: PEP-2023-013

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

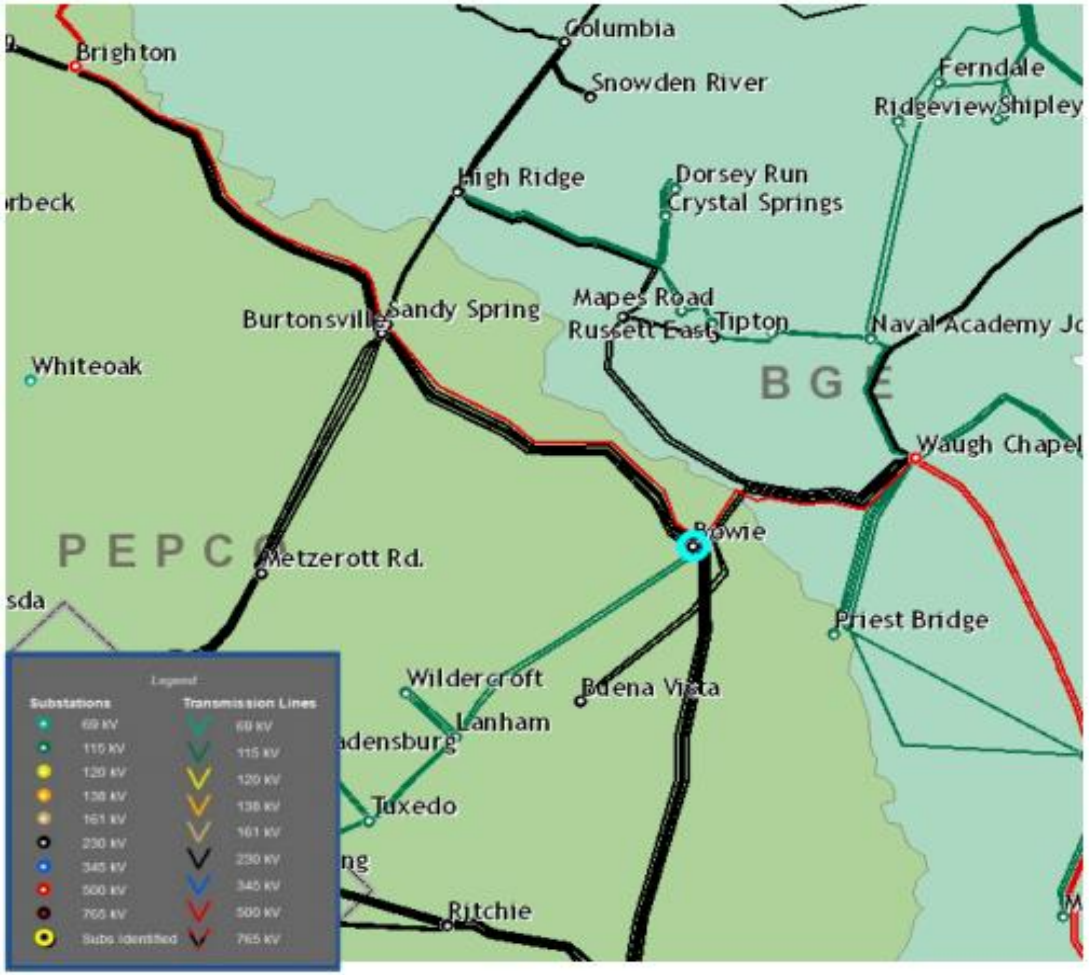
Replace the existing 230kV oil circuit breaker 1A at Bowie

Estimated Cost: $810k

Projected In-Service: 12/13/24

Supplemental Project ID: s3529.1

Project Status: Engineering



Need Number: PEP-2023-014

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

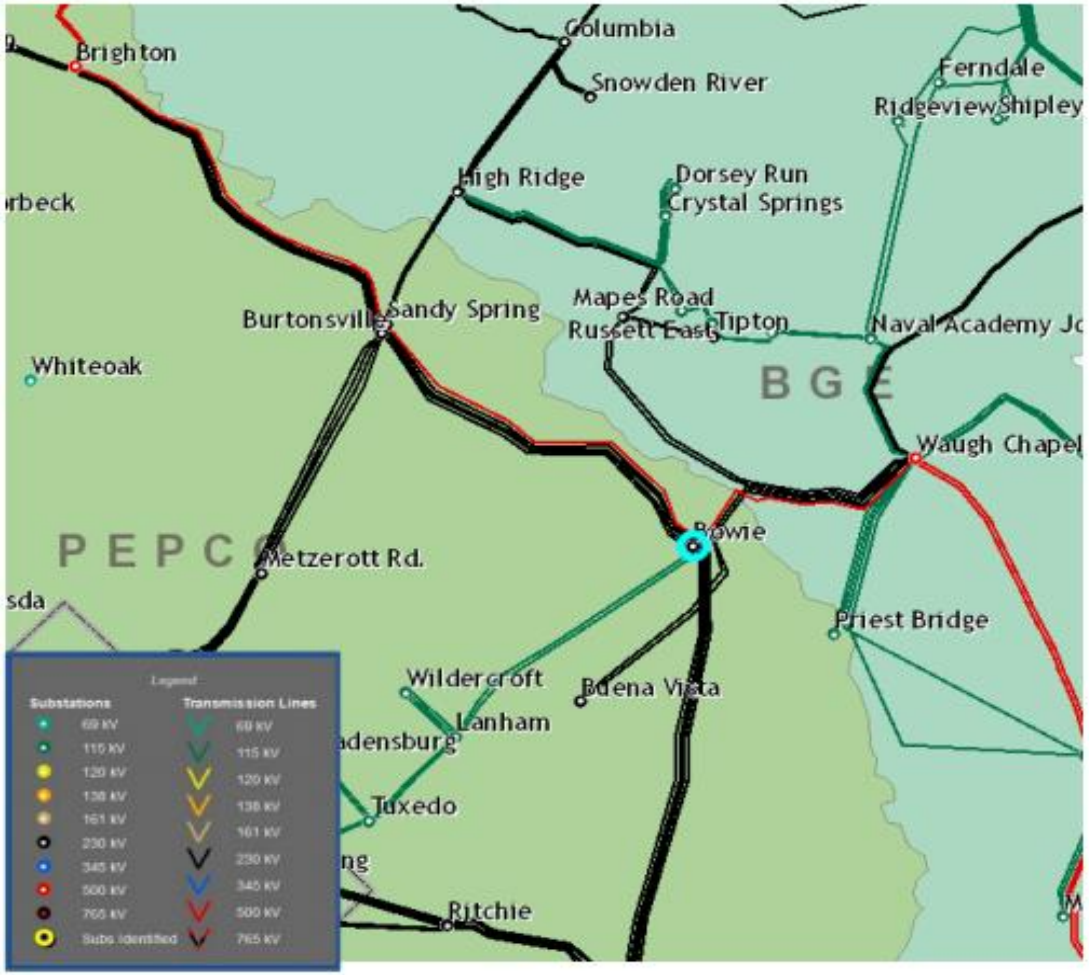
Equipment Material Condition, Performance, and Risk

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 2A at Bowie substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Need Number: PEP-2023-014

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

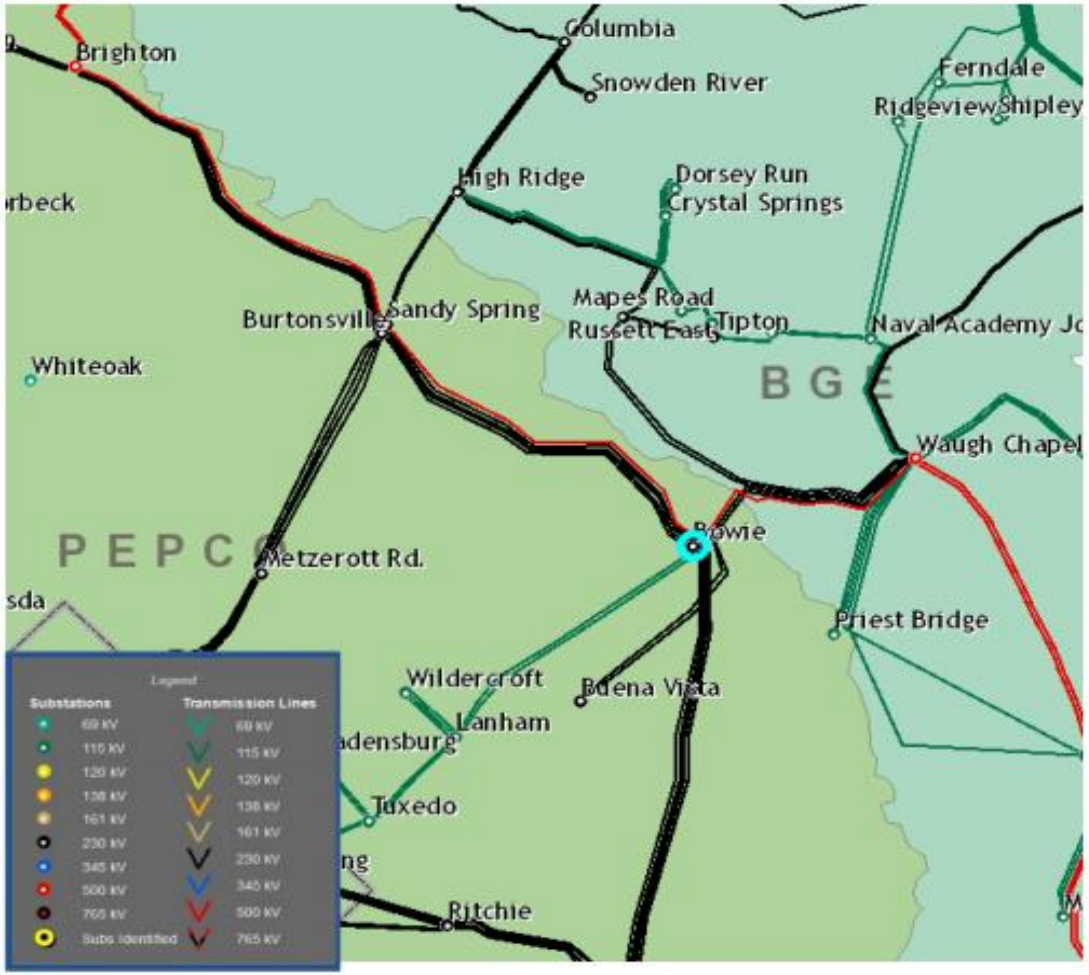
Replace the existing 230kV oil circuit breaker 2A at Bowie

Estimated Cost: $810k

Projected In-Service: 5/3/25

Supplemental Project ID: s3530.1

Project Status: Engineering



Need Number: PEP-2023-015

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

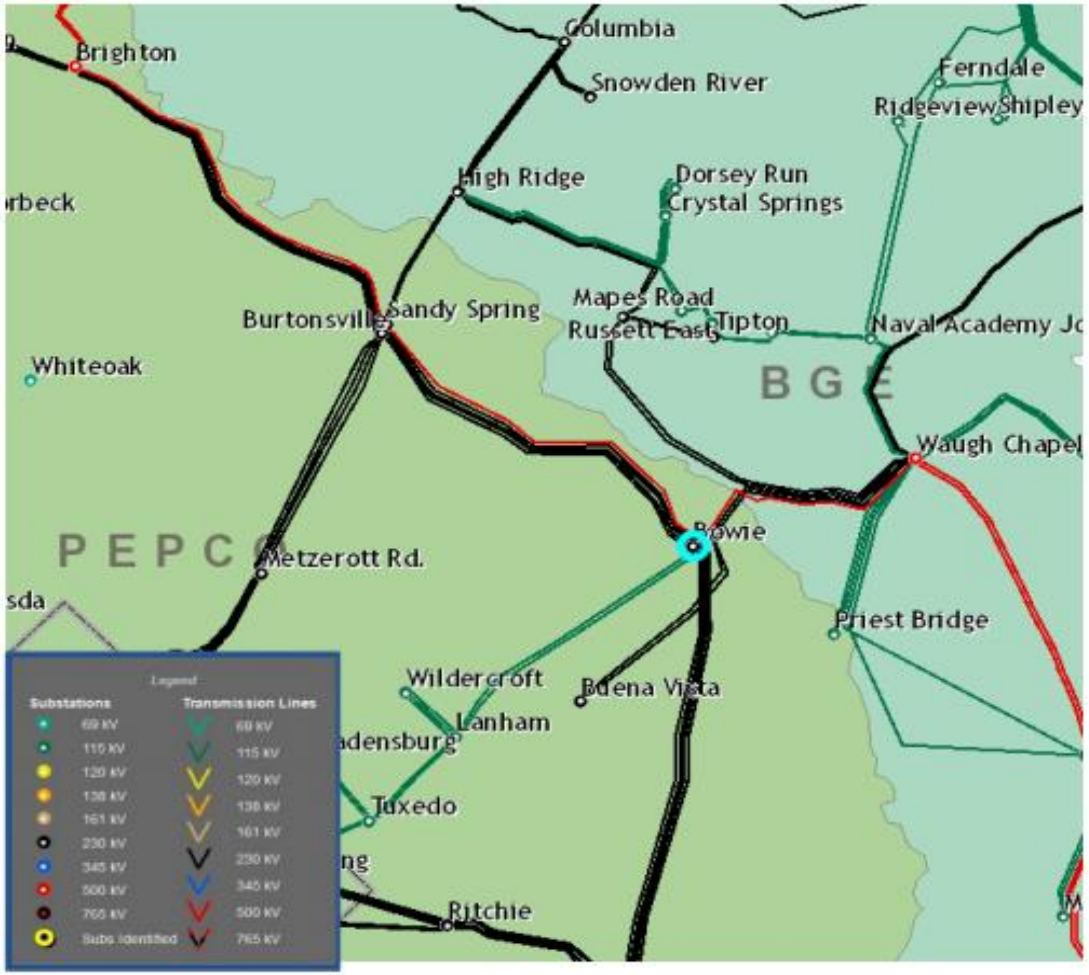
Equipment Material Condition, Performance, and Risk

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 3A at Bowie substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Bowie 230kV 3A Breaker Replacement

Need Number: PEP-2023-015

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

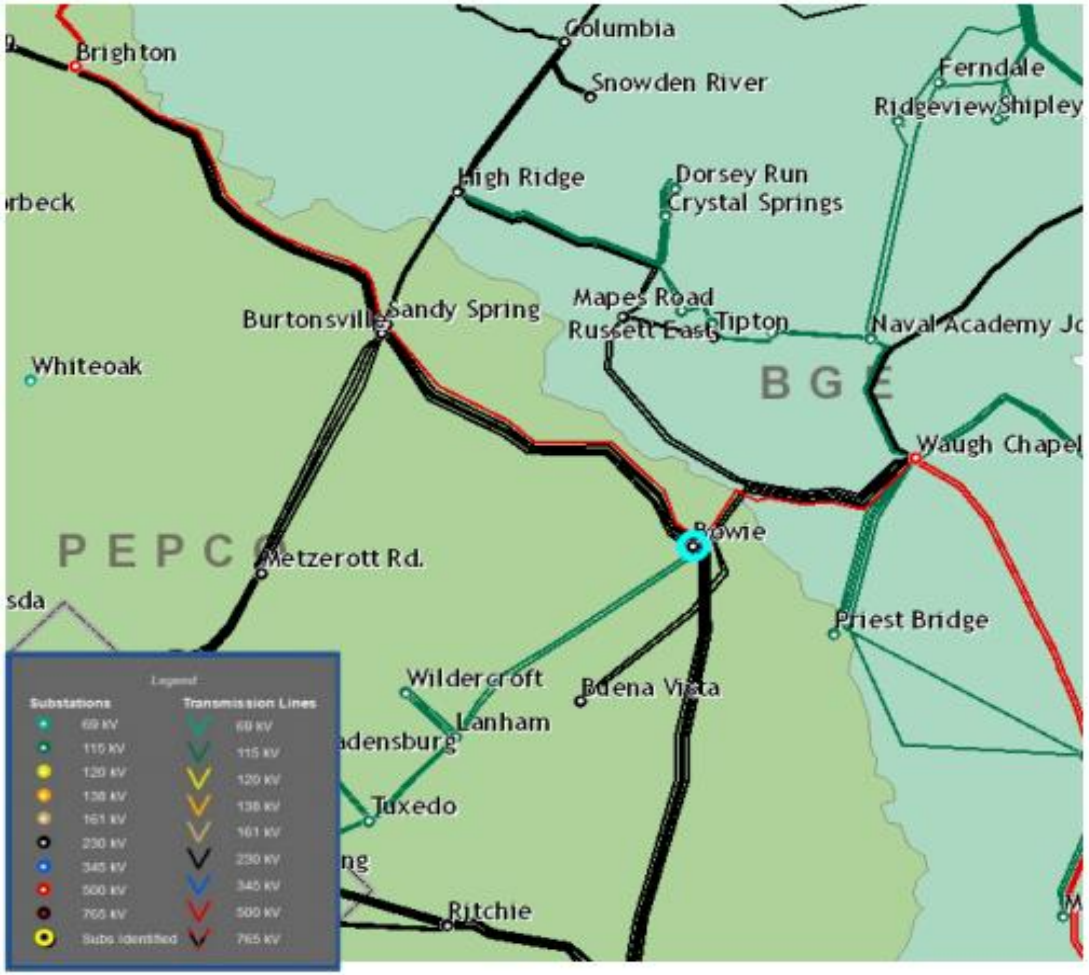
Replace the existing 230kV oil circuit breaker 3A at Bowie

Estimated Cost: $810k

Projected In-Service: 5/3/24

Supplemental Project ID: s3531.1

Project Status: In-service



Burches Hill 230kV 3A Breaker Replacement

Need Number: PEP-2023-016

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

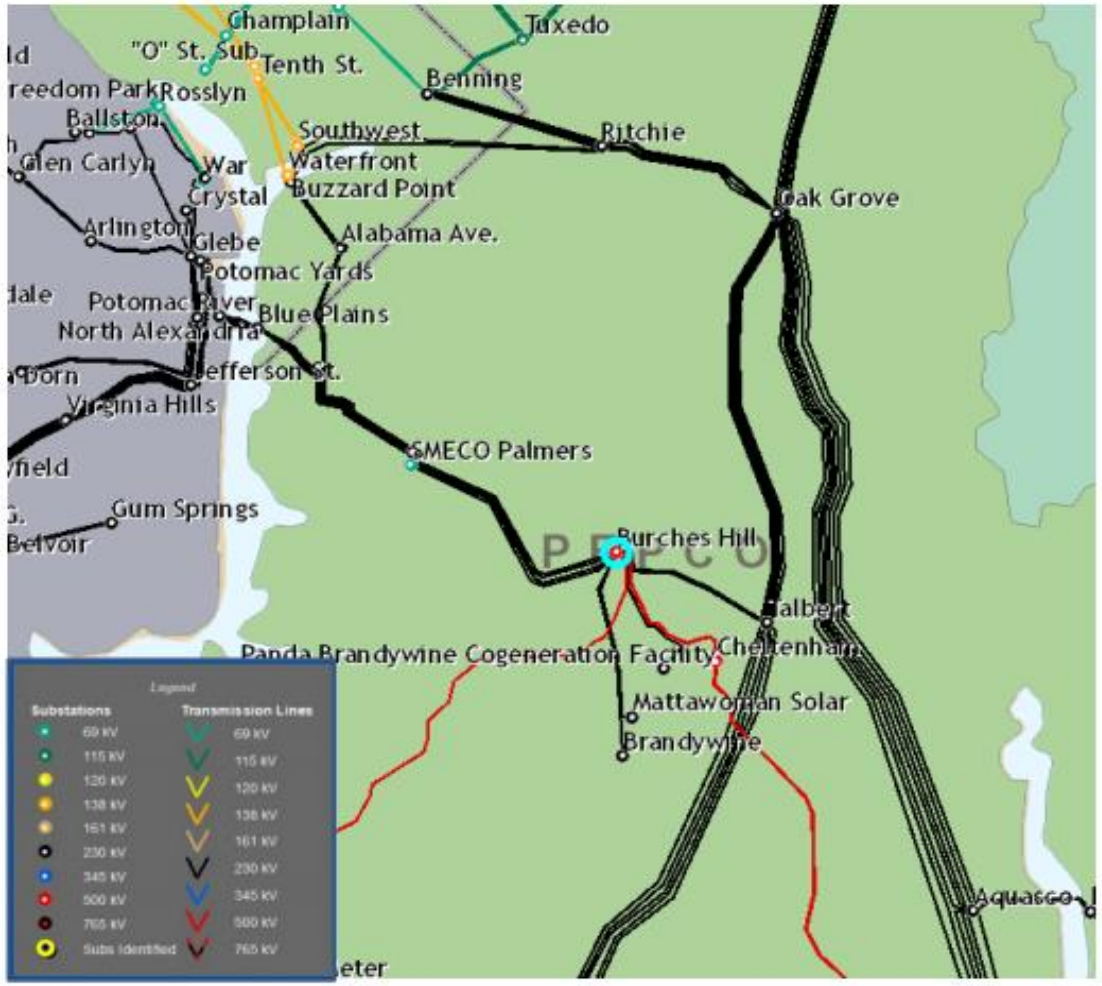
Equipment Material Condition, Performance, and Risk

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 3A at Burches Hill substation was installed in 1979. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Burches Hill 230kV 3A Breaker Replacement

Need Number: PEP-2023-016

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

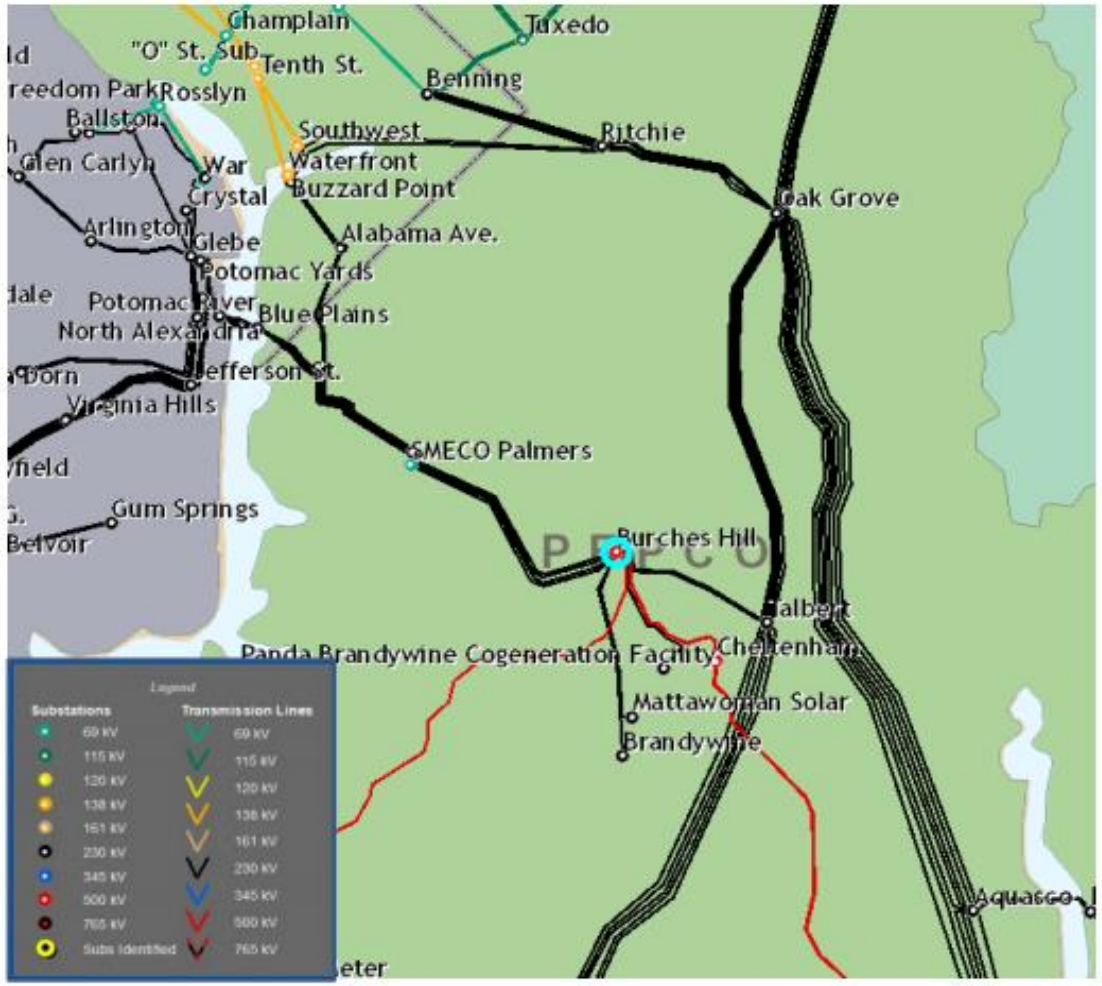
Replace the existing 230kV oil circuit breaker 3A at Burches Hill

Estimated Cost: $810k

Projected In-Service: 5/3/24

Supplemental Project ID: s3532.1

Project Status: In-service



Burches Hill 230kV 3B Breaker Replacement

Need Number: PEP-2023-017

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

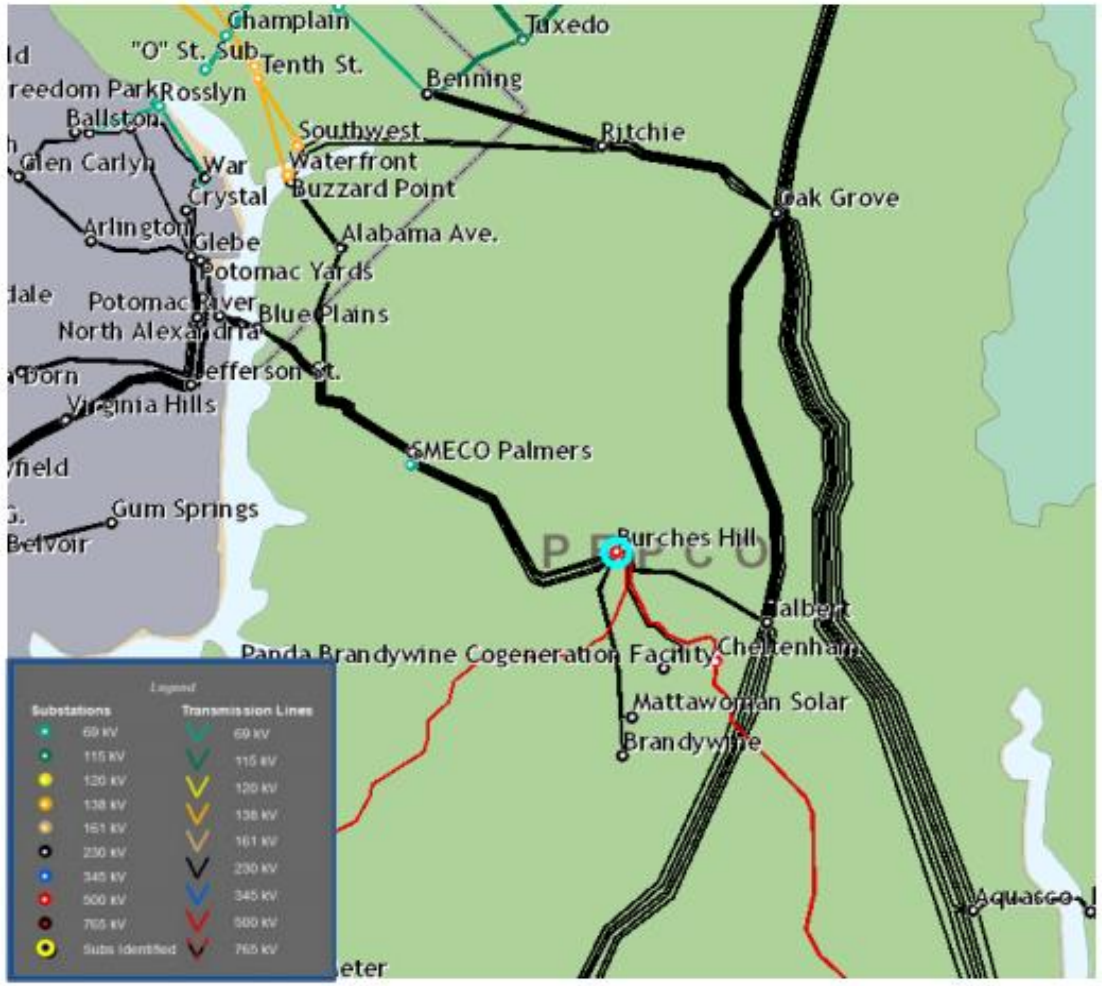
Equipment Material Condition, Performance, and Risk

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 3B at Burches Hill substation was installed in 1979. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



PEPCO Transmission Zone M-3 Process

Burches Hill 230kV 3B Breaker Replacement

Need Number: PEP-2023-017

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

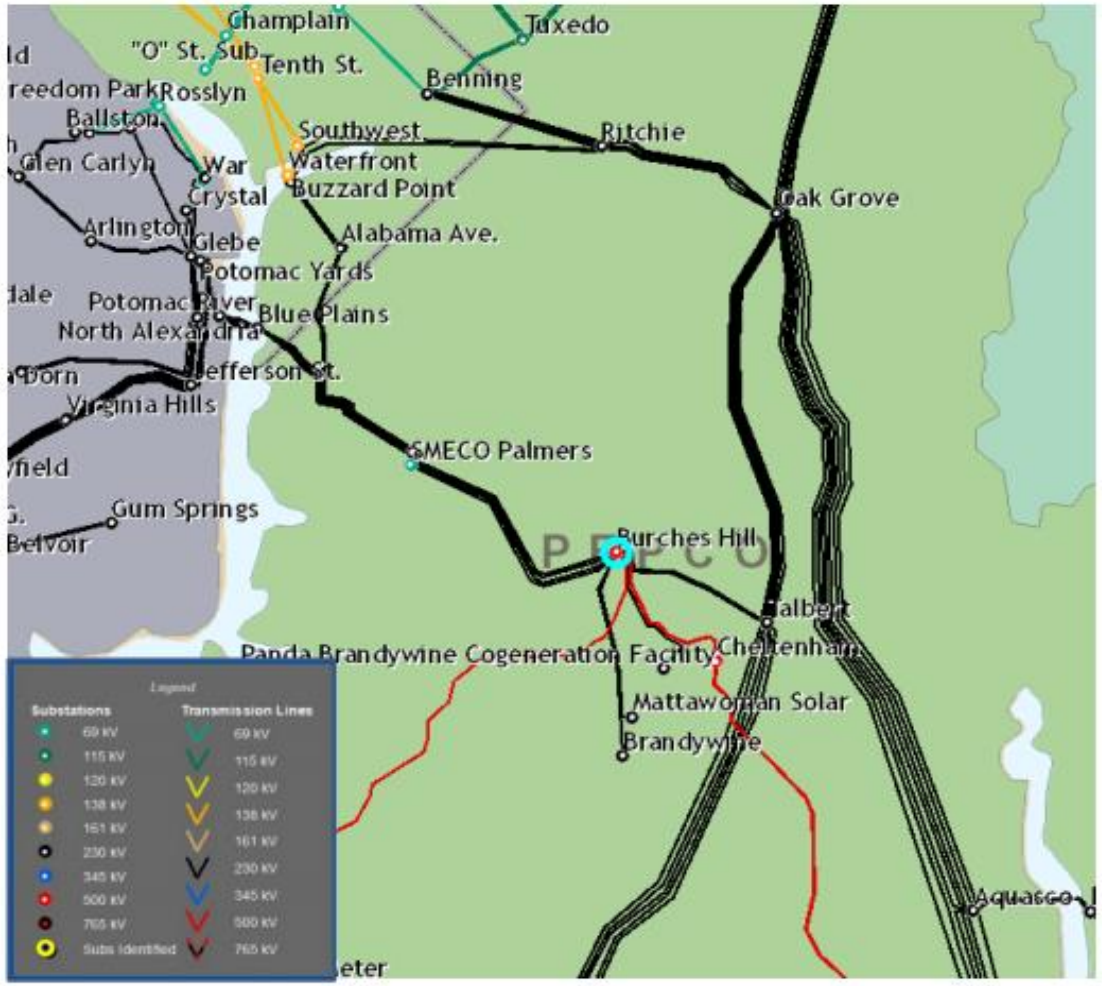
Replace the existing 230kV oil circuit breaker 3B at Burches Hill

Estimated Cost: $810k

Projected In-Service: 5/3/24

Supplemental Project ID: s3533.1

Project Status: In-service



Morgantown 230kV 6B Breaker Replacement

Need Number: PEP-2023-018

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

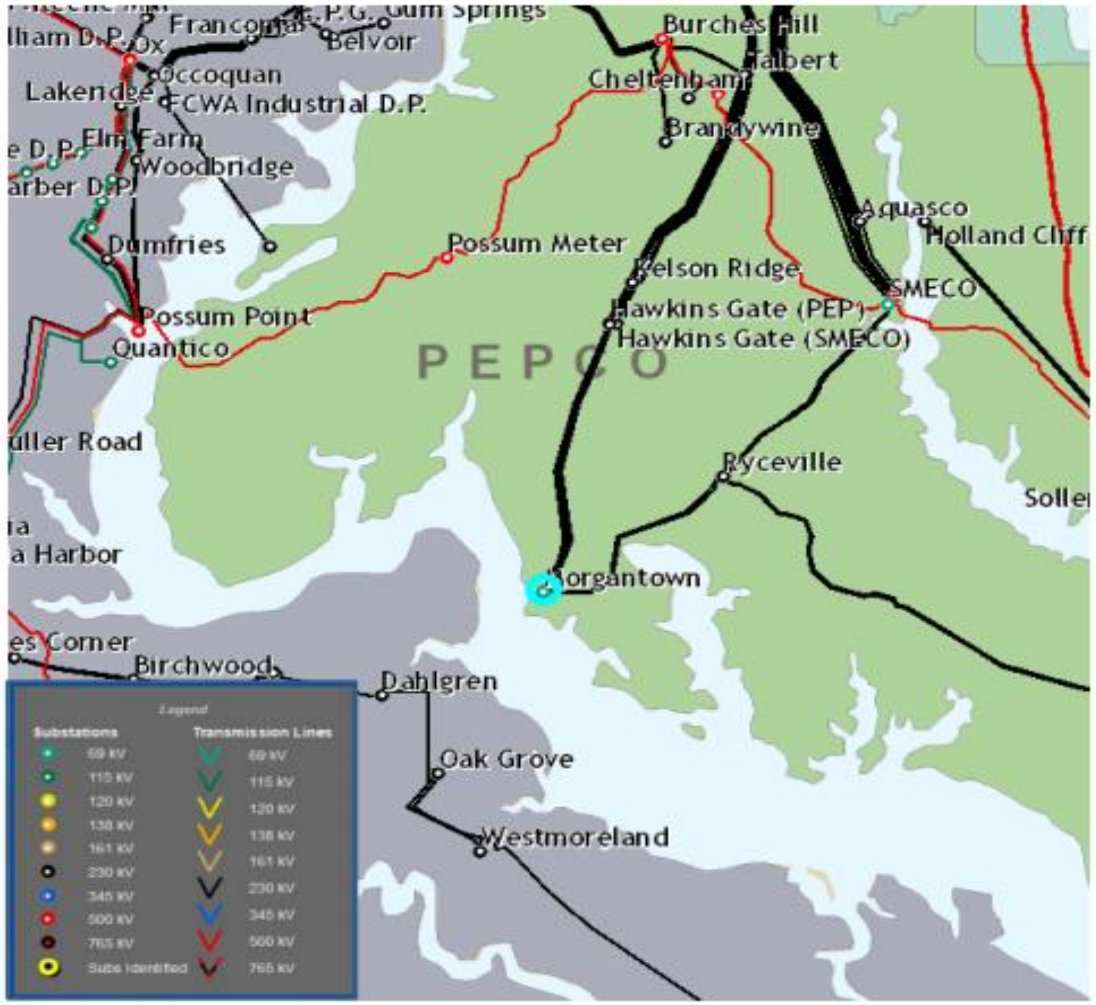
Equipment Material Condition, Performance, and Risk

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 6B at Morgantown 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

Morgantown 230kV 6B Breaker Replacement

Need Number: PEP-2023-018

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

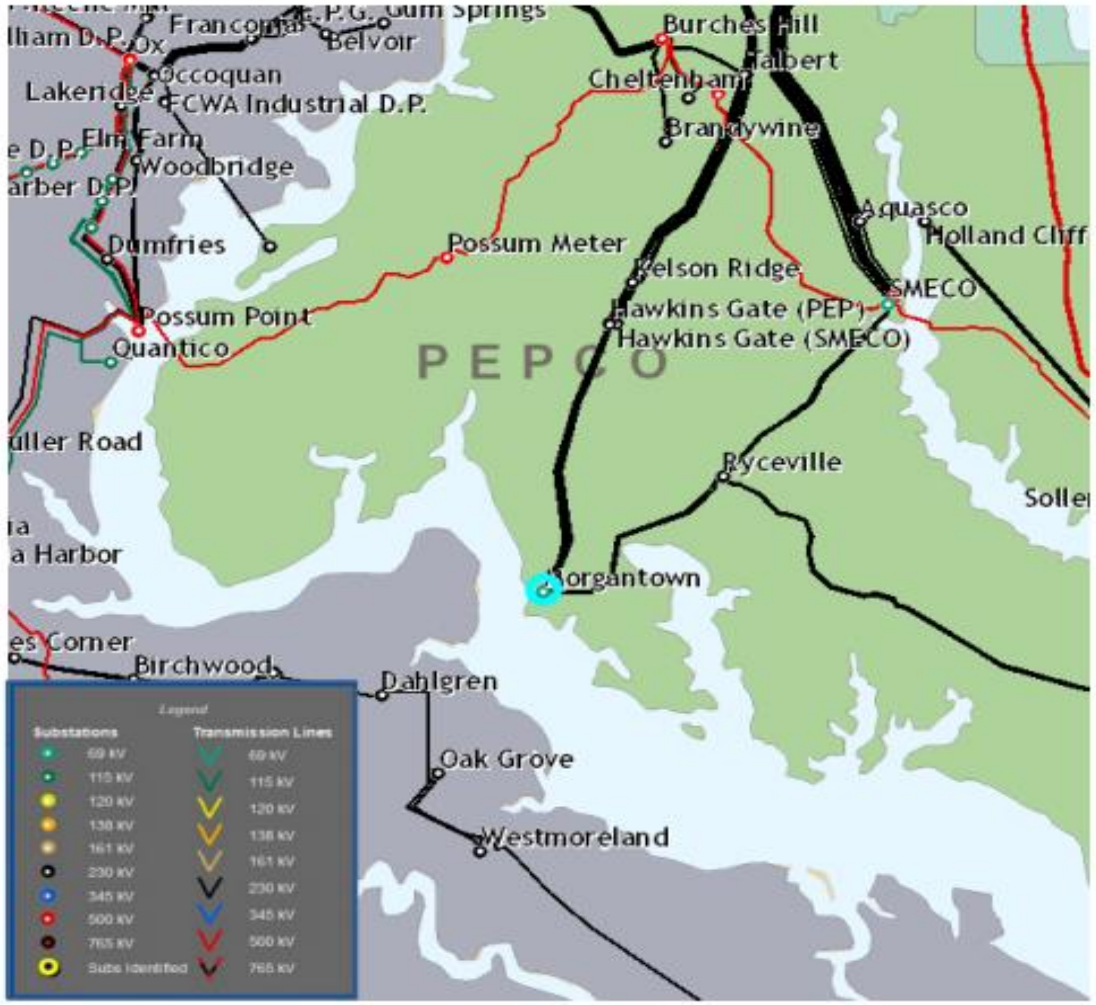
Replace the existing 230kV oil circuit breaker 6B at Morgantown

Estimated Cost: $810k

Projected In-Service: 5/3/25

Supplemental Project ID: s3534.1

Project Status: Engineering



Need Number: PEP-2023-019

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 10/31/2023
- Solutions Meeting 12/5/2023

Project Driver:

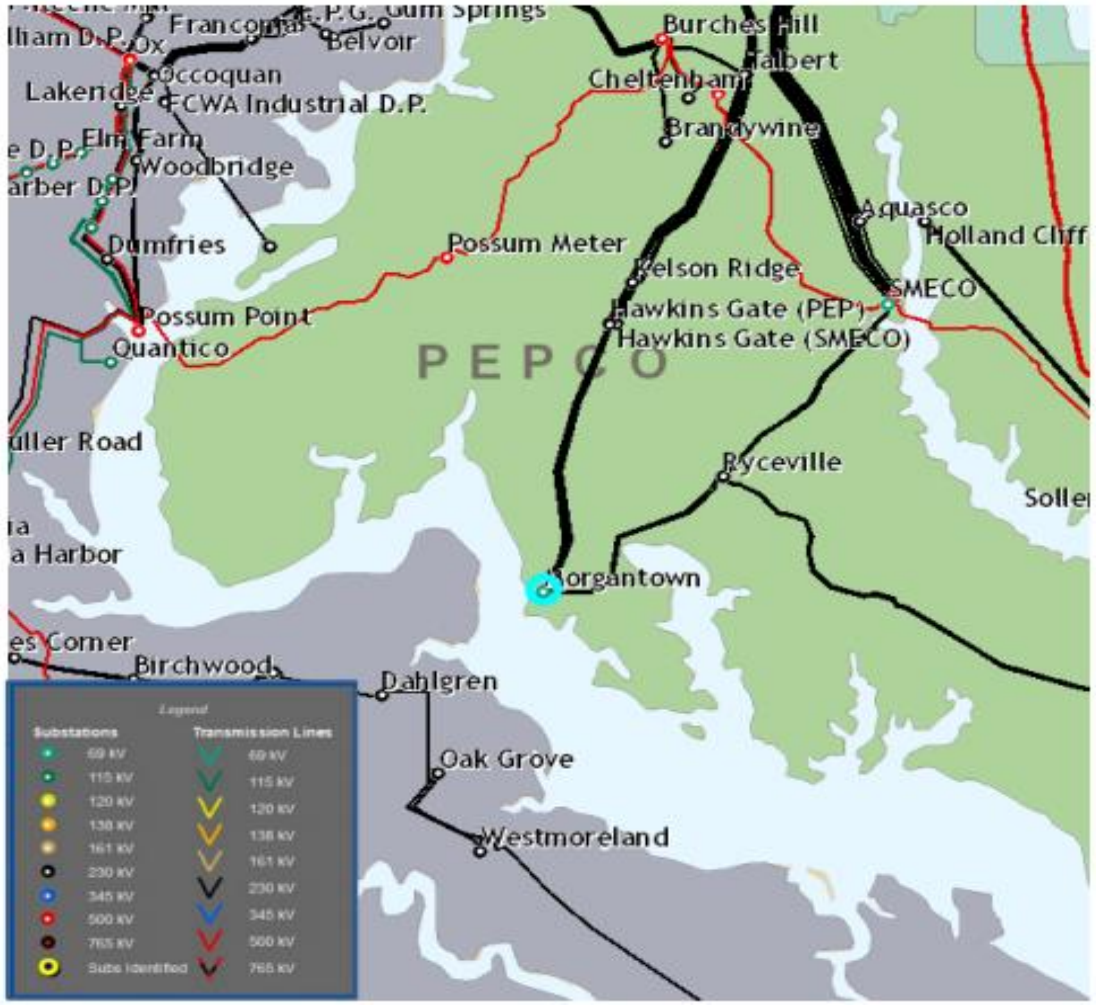
Equipment Material Condition, Performance, and Risk

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 6C at Morgantown 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

Morgantown 230kV 6C Breaker Replacement

Need Number: PEP-2023-019

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

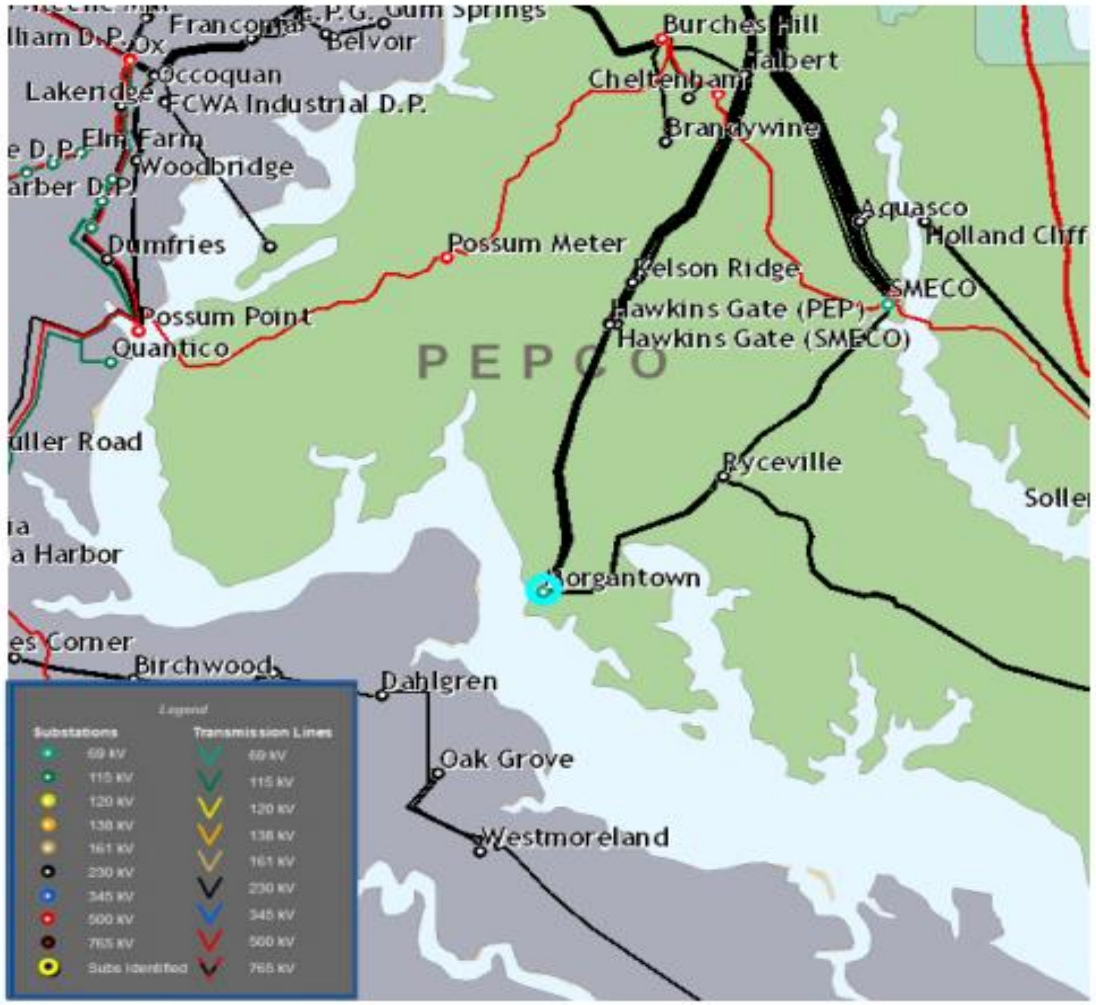
Replace the existing 230kV oil circuit breaker 6C at Morgantown

Estimated Cost: $810k

Projected In-Service: 5/3/25

Supplemental Project ID: s3535.1

Project Status: Engineering



Need Number: PEP-2023-020

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 11/16/2023
- Solutions Meeting 12/13/2023

Project Driver:

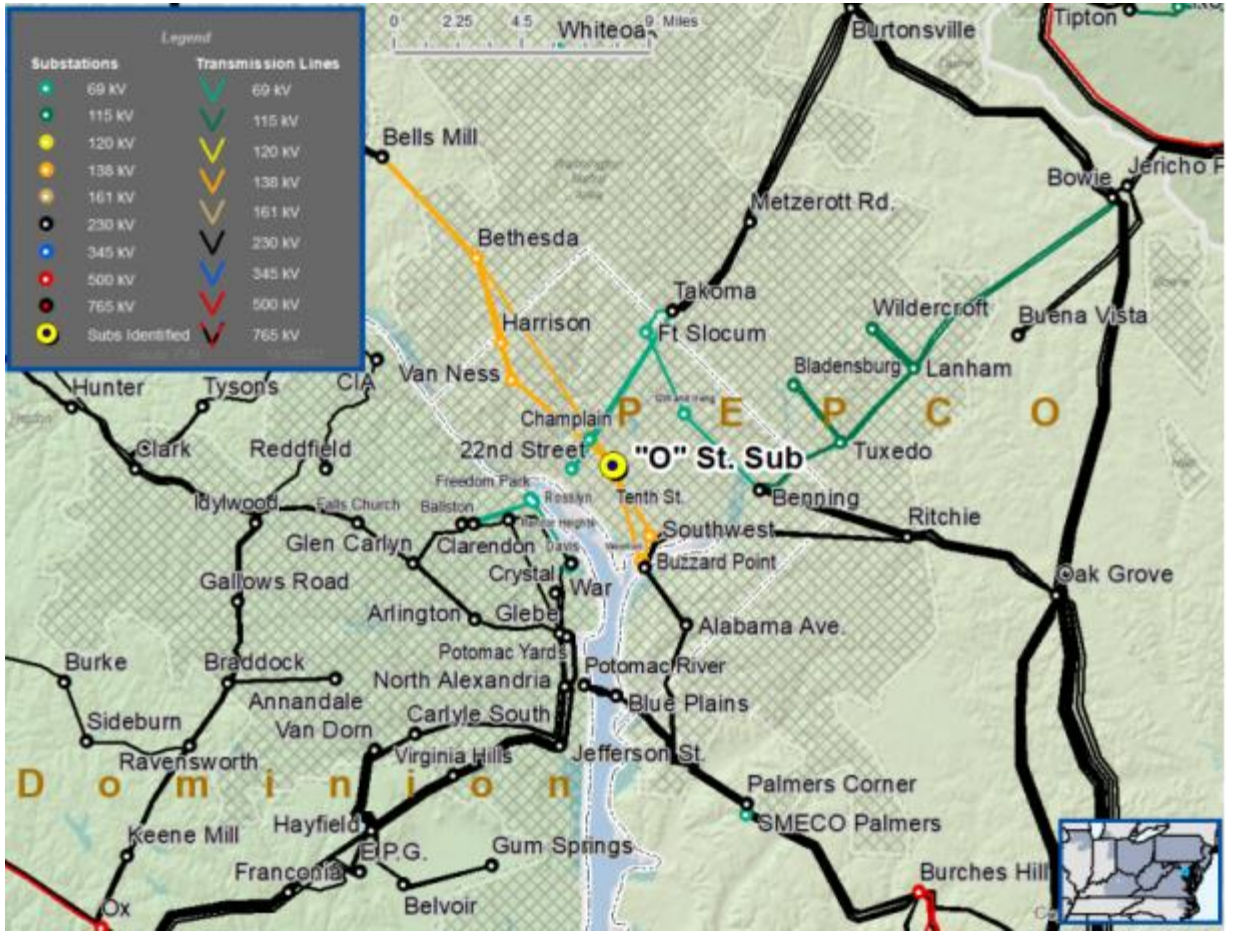
Equipment Material Condition, Performance, and Risk

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:

138kV circuit breaker 1B at O Street 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

O Street 138kV 1B Breaker Replacement

Need Number: PEP-2023-020

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

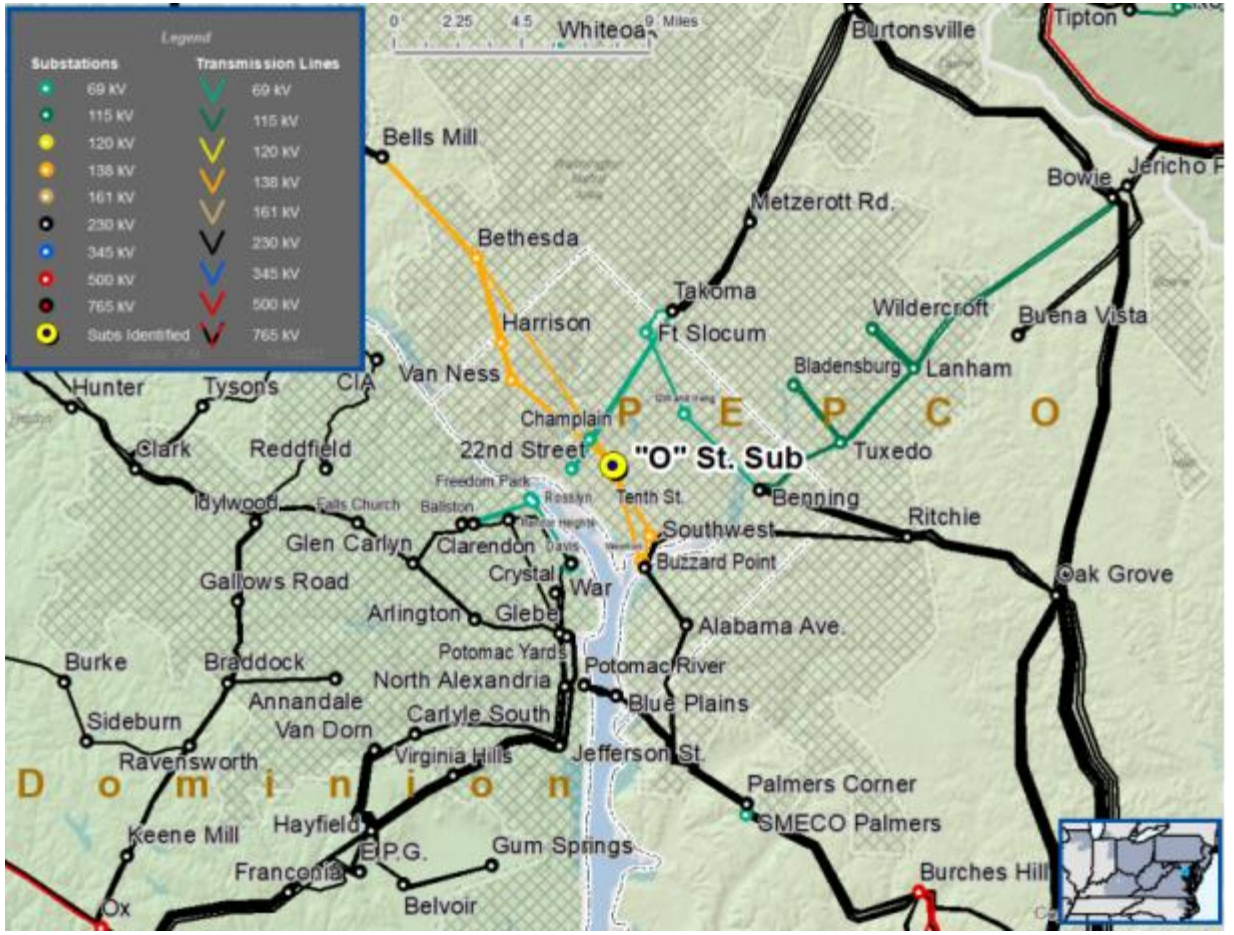
Replace the existing 138kV oil circuit breaker 1B at O Street

Estimated Cost: $675k

Projected In-Service: 5/28/24

Supplemental Project ID: s3536.1

Project Status: In-service



Need Number: PEP-2023-021

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 11/16/2023
- Solutions Meeting 12/13/2023

Project Driver:

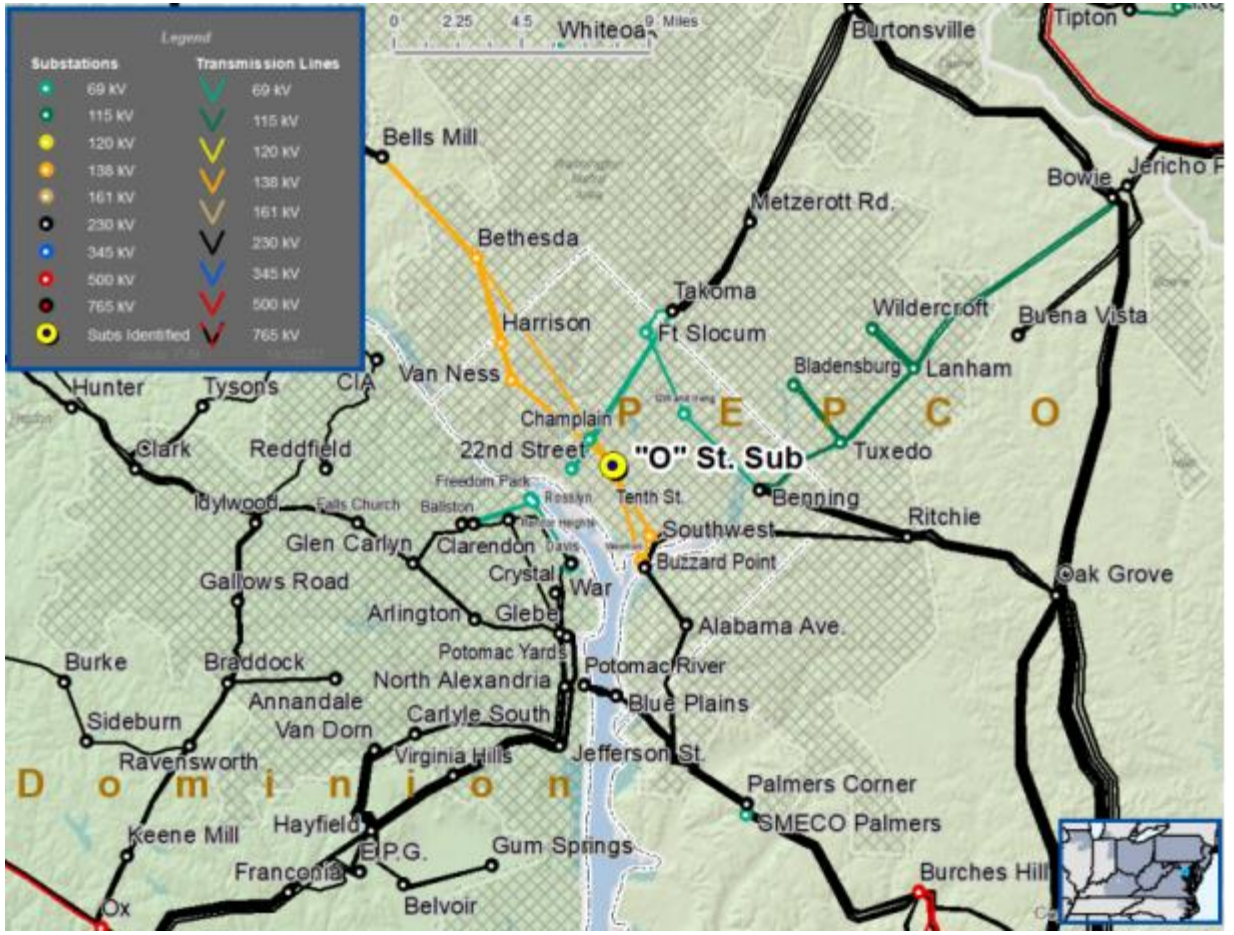
Equipment Material Condition, Performance, and Risk

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:

138kV circuit breaker 3B at O Street substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Need Number: PEP-2023-021

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

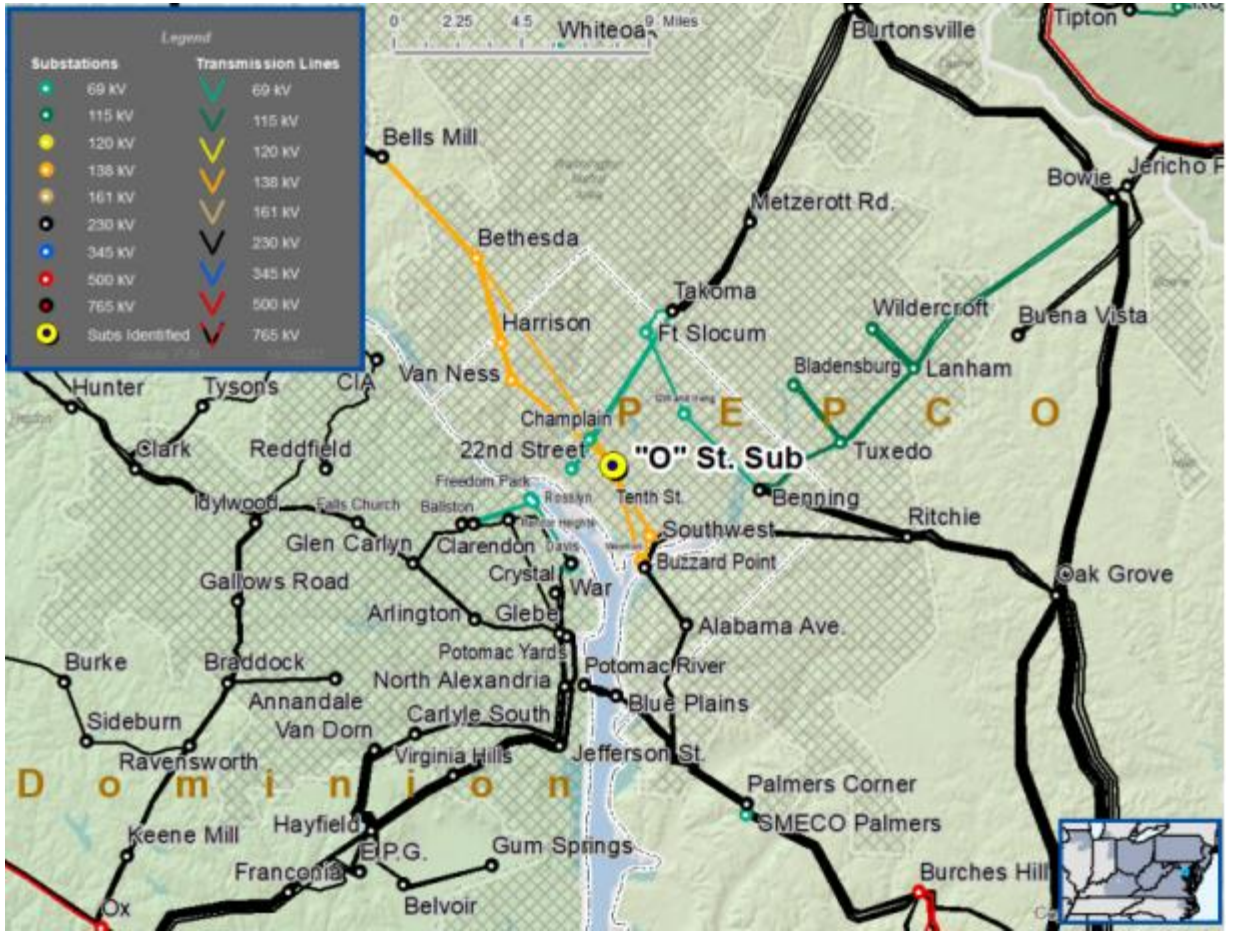
Replace the existing 138kV oil circuit breaker 3B at O Street

Estimated Cost: $675k

Projected In-Service: 12/31/23

Supplemental Project ID: s3537.1

Project Status: In-service



Need Number: PEP-2023-022

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

- Need Meeting 11/16/2023
- Solutions Meeting 12/13/2023

Project Driver:

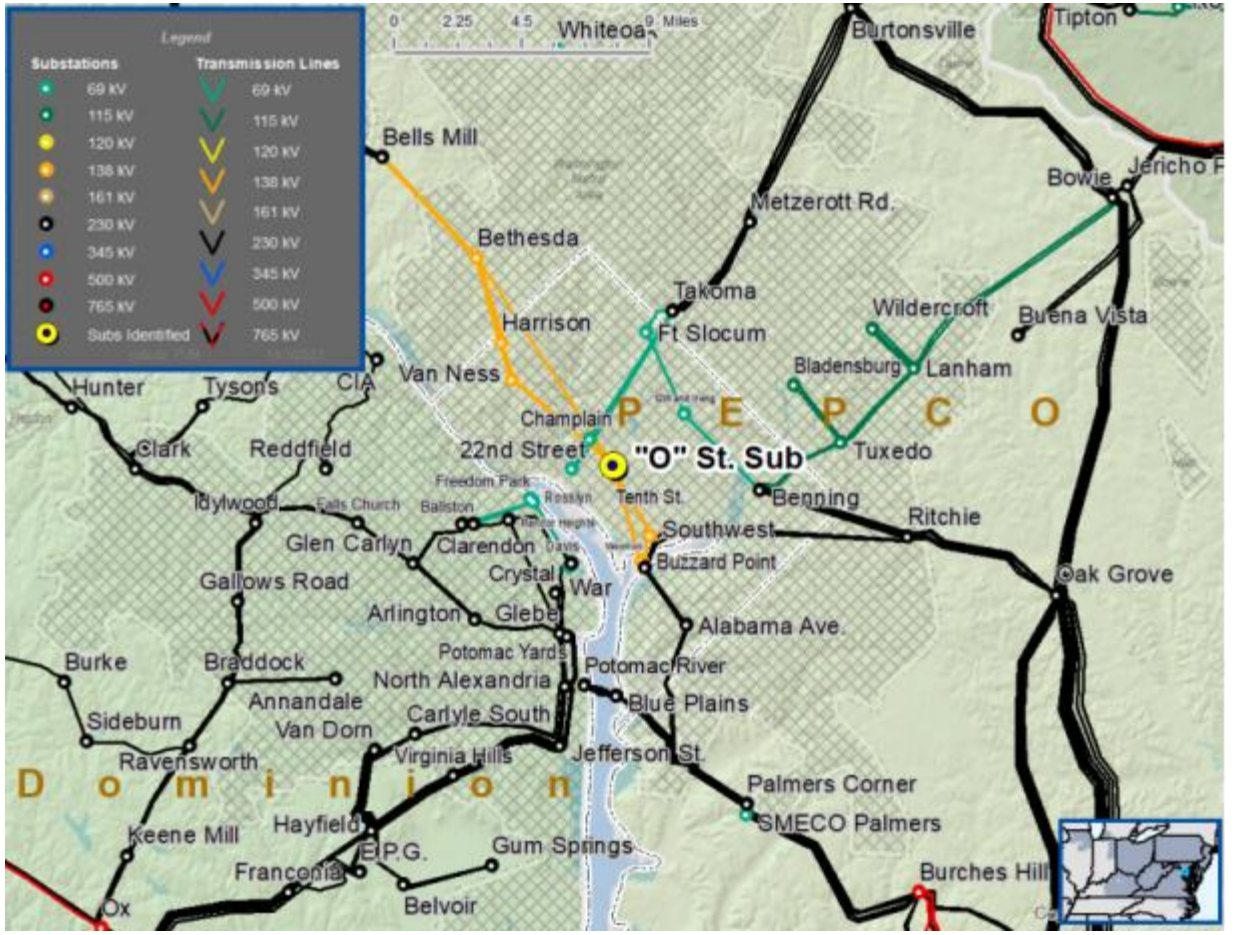
Equipment Material Condition, Performance, and Risk

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:

138kV circuit breaker 4B at O Street substation was installed in 1967. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost



Need Number: PEP-2023-022

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

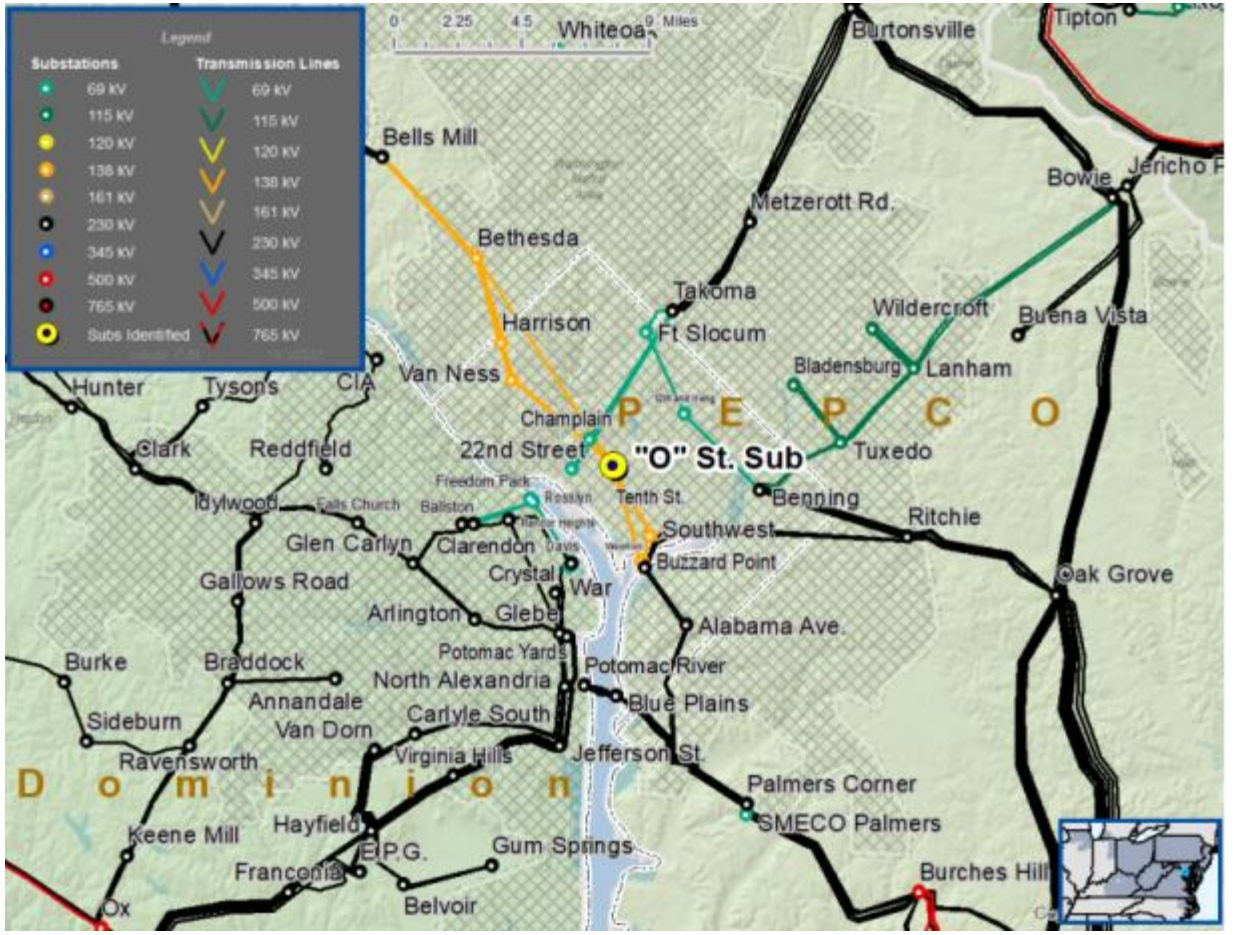
Replace the existing 138kV oil circuit breaker 4B at O Street

Estimated Cost: $675k

Projected In-Service: 1/31/24

Supplemental Project ID: s3538.1

Project Status: In-service



PEPCO Transmission Zone M-3 Process

Bells Mill 138kV 8BT Breaker Replacement

Need Number: PEP-2023-005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Previously Presented:

Need Meeting 06/15/2023

Solutions Meeting 12/13/2023

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:

138kV circuit breaker 8BT at Bells Mill substation was installed in 1977. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance cost.

PEPCO Transmission Zone M-3 Process

Bells Mill 138kV 8BT Breaker Replacement

Need Number: PEP-2023-005

Process Stage:

Submission of Supplemental Project for inclusion in the Local Plan 10/16/2024

Selected Solution:

Replace the existing 138kV oil circuit breaker 8BT at Bells Mill

Estimated Cost: $675k

Projected In-Service: 10/01/25

Supplemental Project ID: s3539.1

Project Status: Engineering

Revision History

- 04/25/2024 – V1 – Local Plan posted for s3203.1,s3208.1,s3209.1
- 05/31/2024 – V2 – s3312.1 added
- 10/16/2024 – V3 – s3529.1 – s3539.1 added