

# 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:**

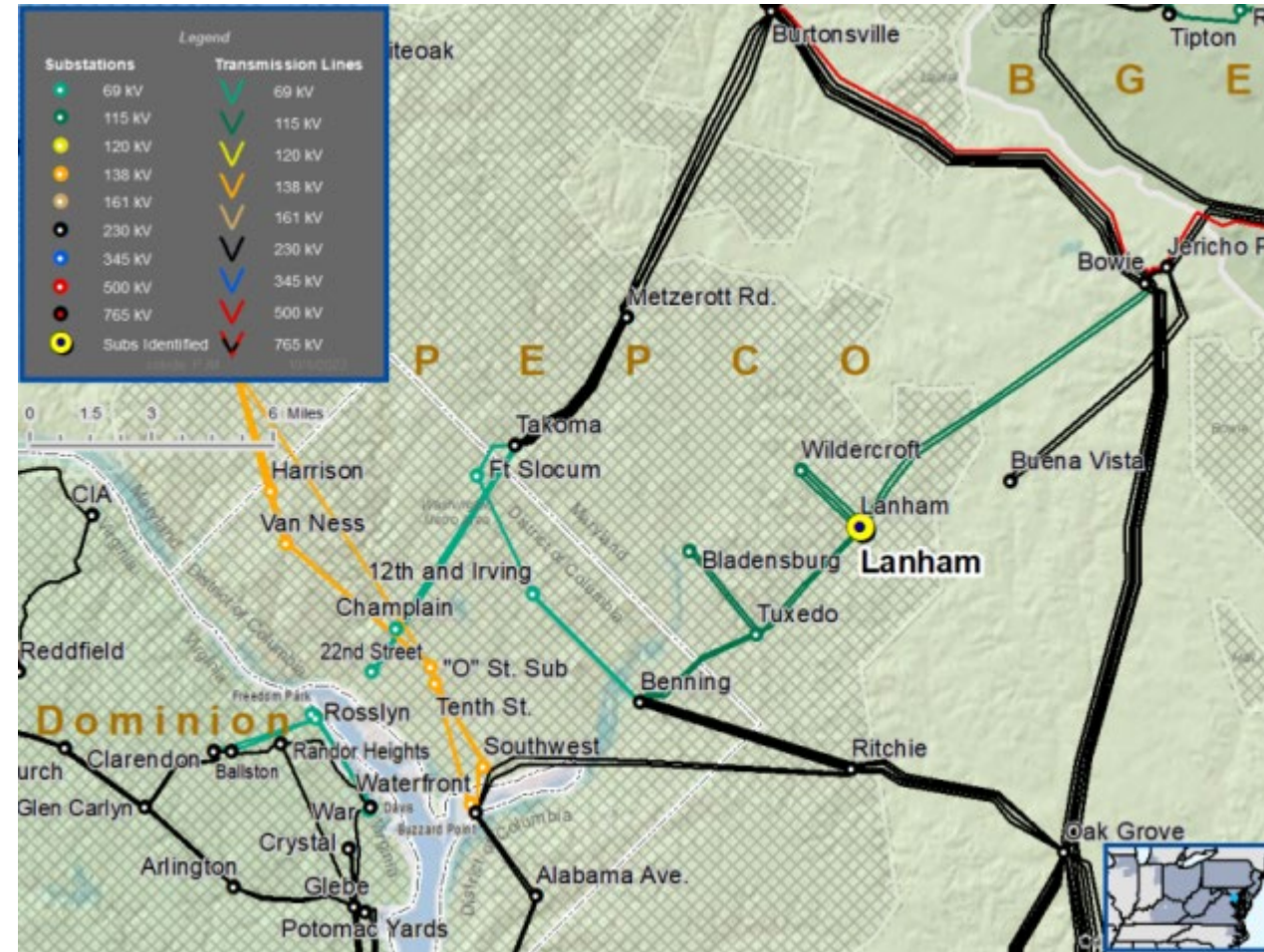
Equipment Material Condition, Performance, and Risk

**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:**

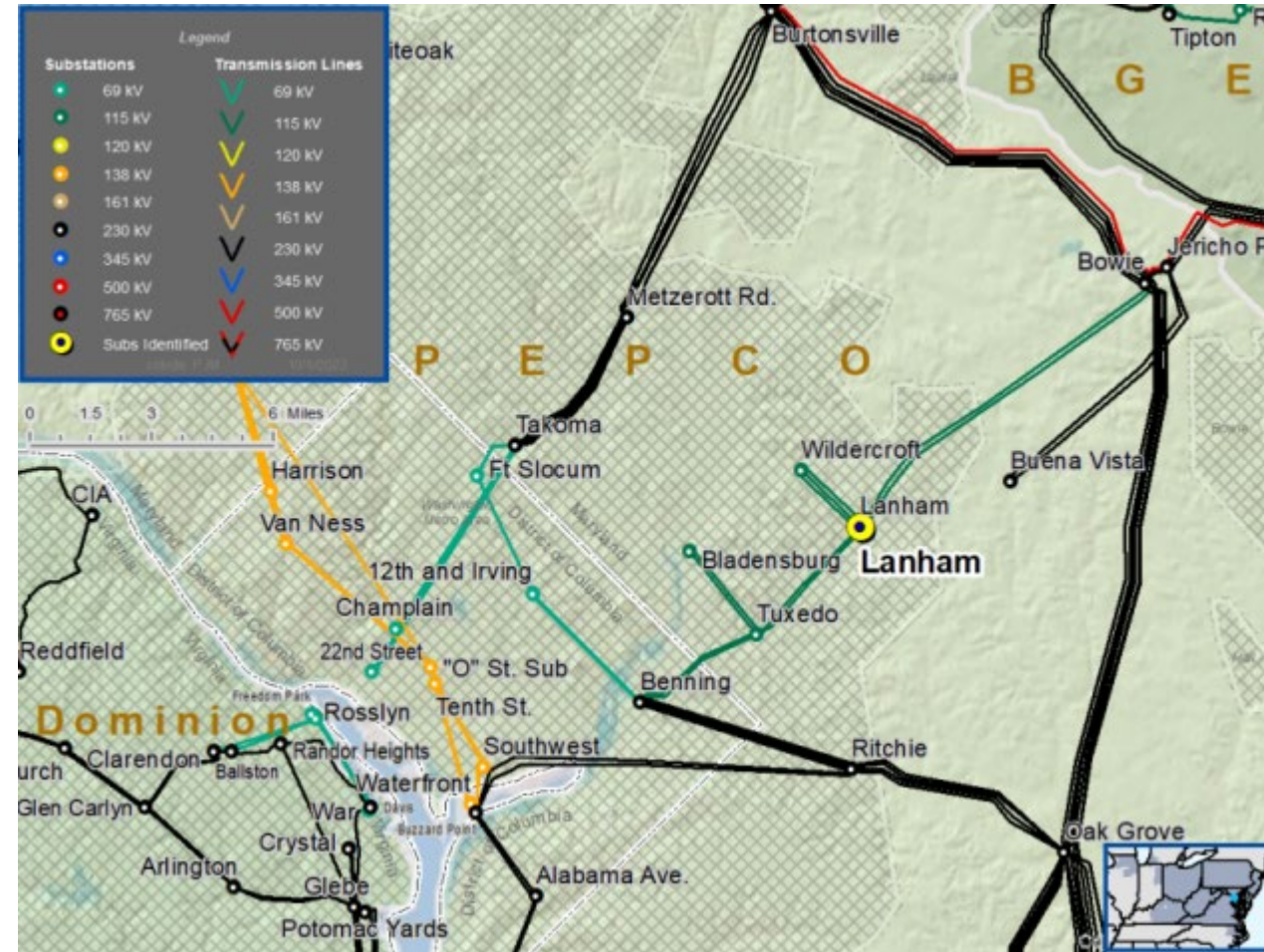
Replace the existing 115kV oil circuit breaker 2A at Lanham

**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:

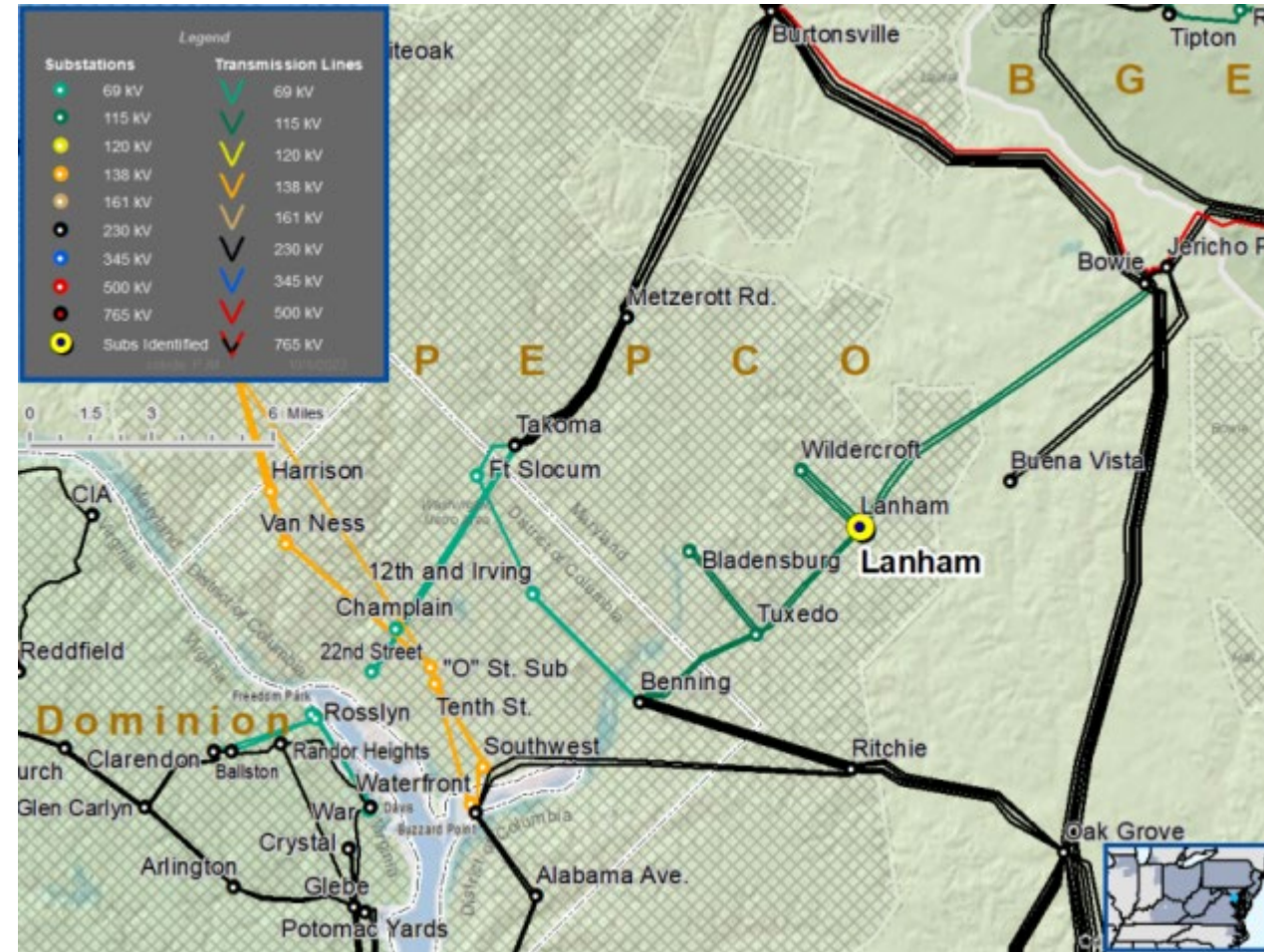
Equipment Material Condition, Performance, and Risk

## 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:**

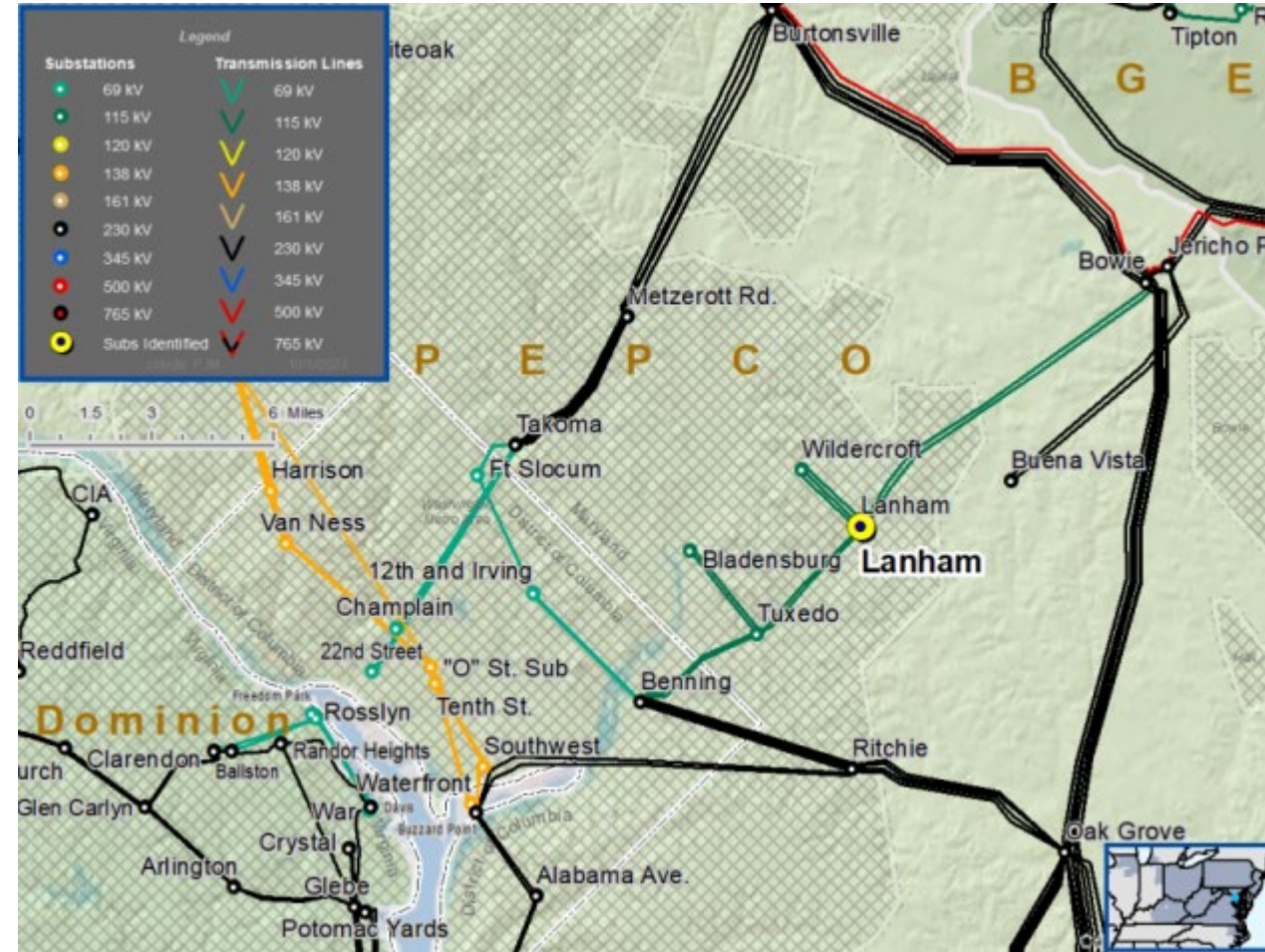
Replace the existing 115kV oil circuit breaker 3A at Lanham

**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:**

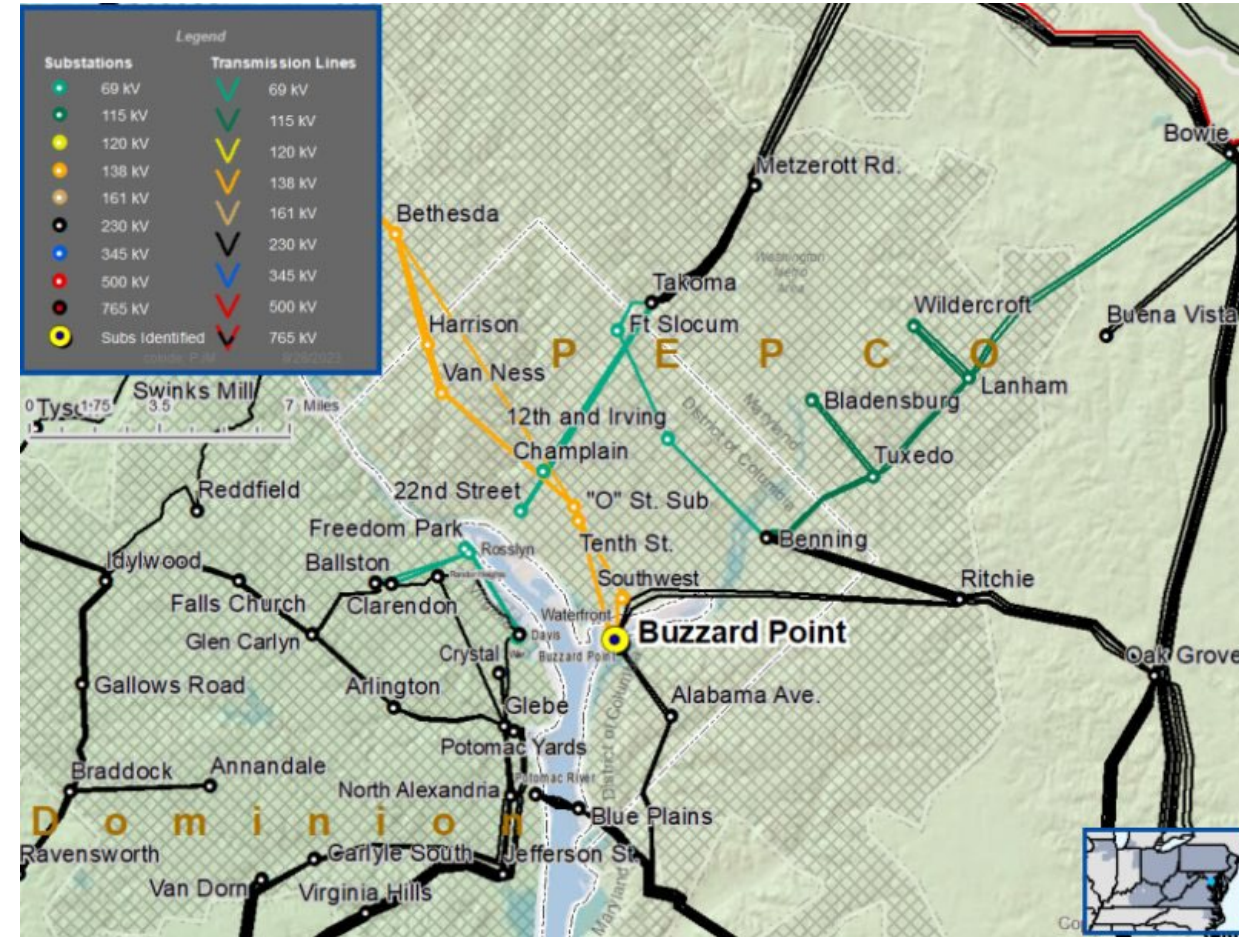
Equipment Material Condition, Performance, and Risk

**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:**

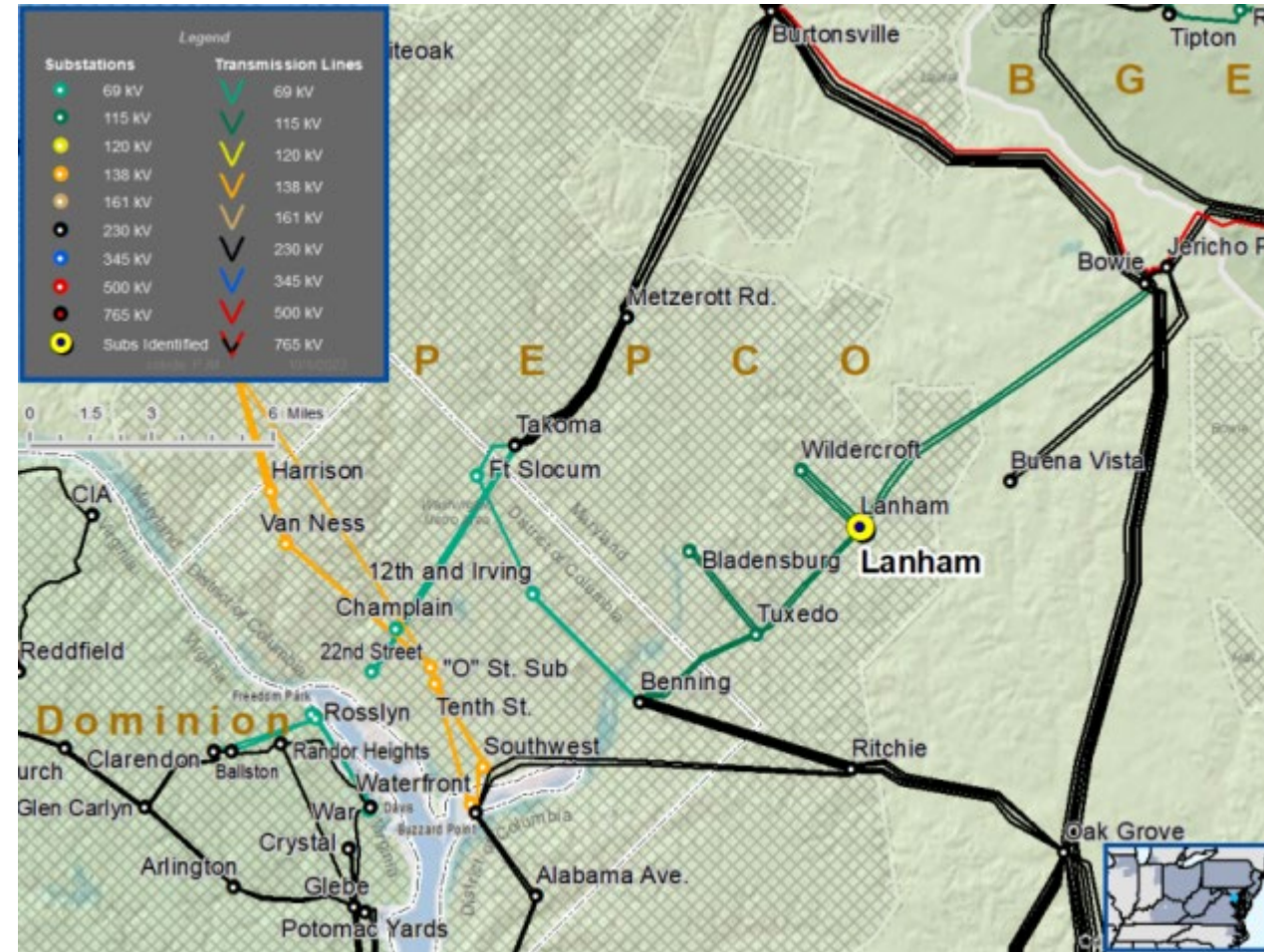
Replace the existing 138kV oil circuit breaker 7TS at Buzzard Point

**Estimated Cost:** \$675k

**Projected In-Service:** 12/1/2024

**Supplemental Project ID:** s3203.1

**Project Status:** Engineering





**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:

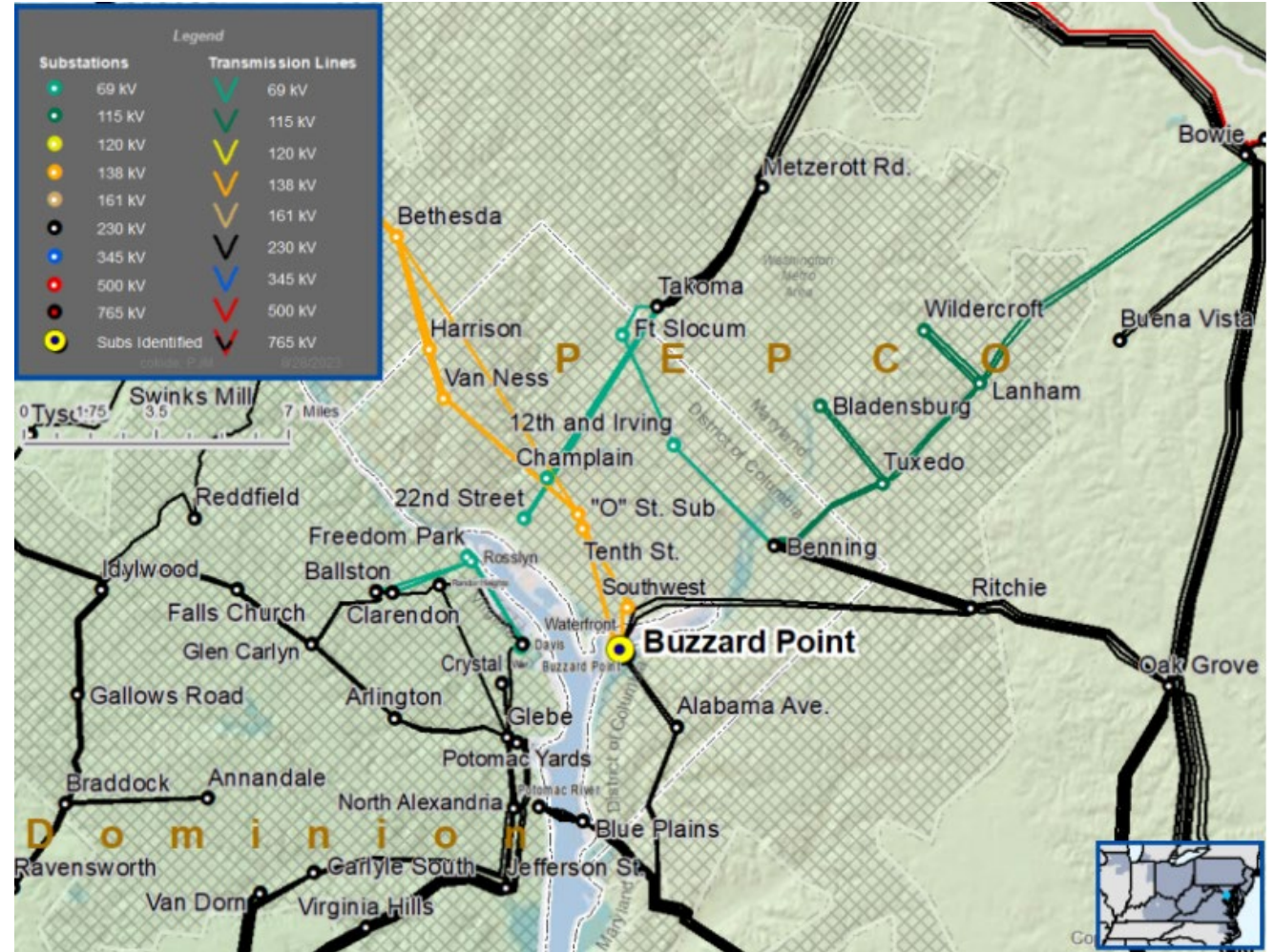
Equipment Material Condition, Performance, and Risk

## 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<br>13B Breaker | 1978              | These breakers are in deteriorating condition, have a lack of replacement parts, and have elevated maintenance cost. |
|               | 138kV<br>14B Breaker | 1978              |  |



**Need Number:** PEP-2024-001

**Process Stage:**

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

**Selected Solution:**

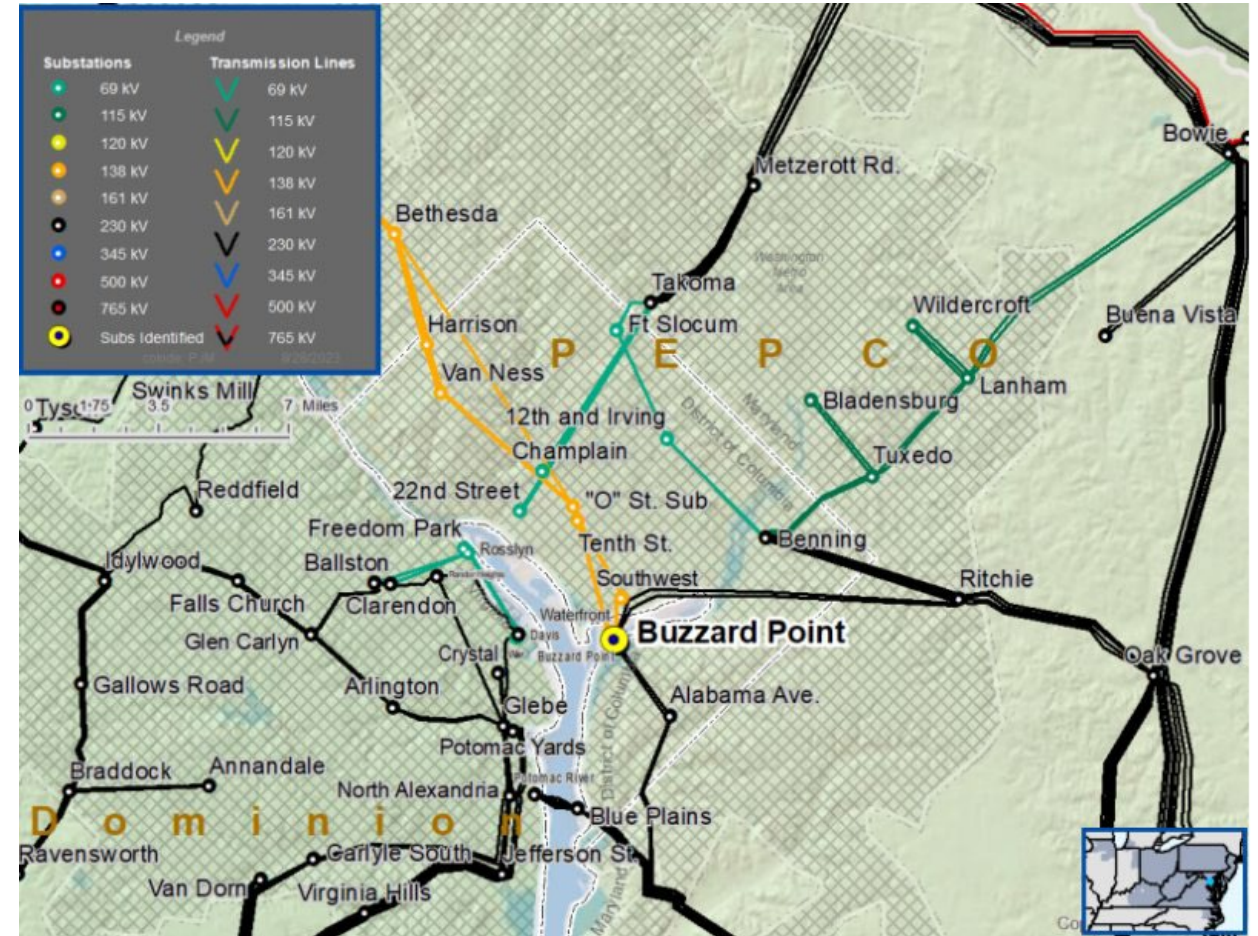
Replace the existing 138kV oil circuit breakers 13B & 14B at Buzzard Point.

**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:**

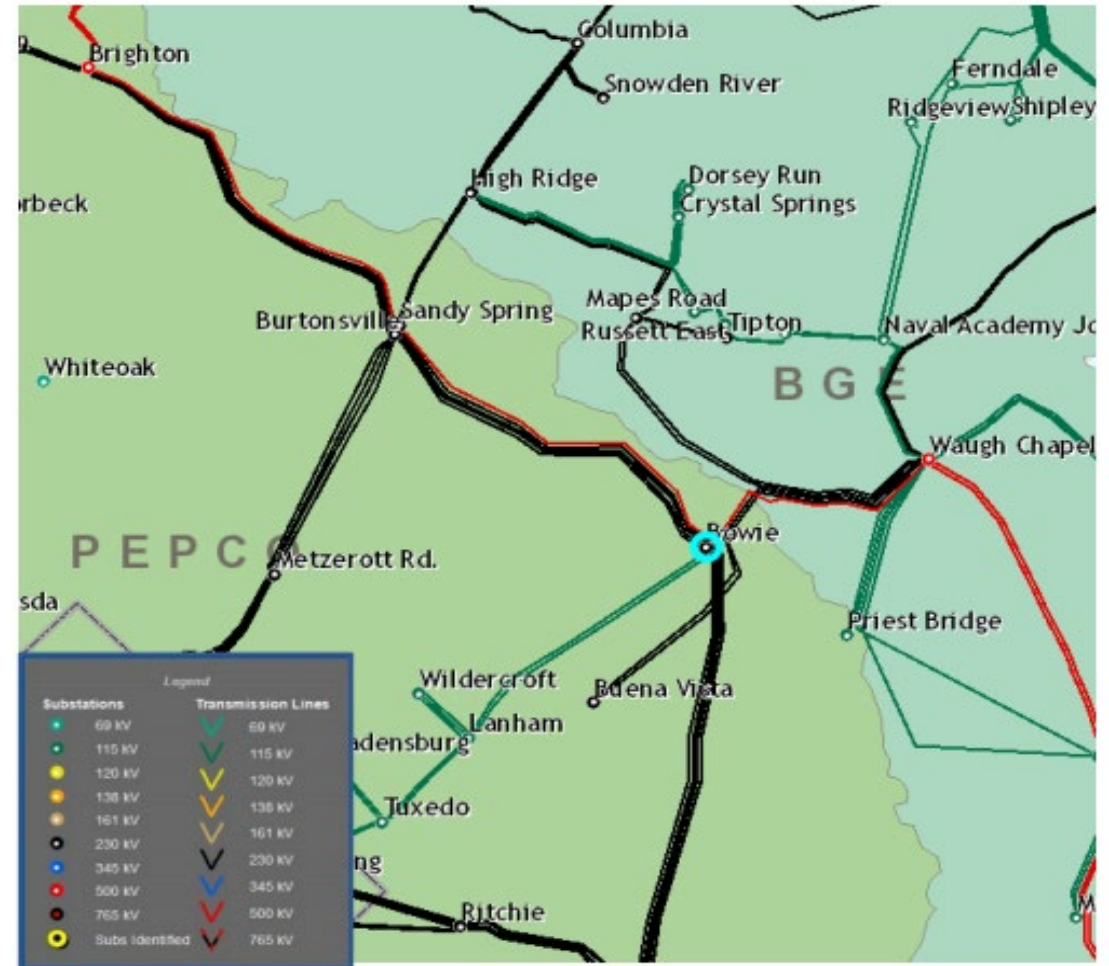
Equipment Material Condition, Performance, and Risk

**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



**Need Number:** PEP-2023-013

**Process Stage:**

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

**Selected Solution:**

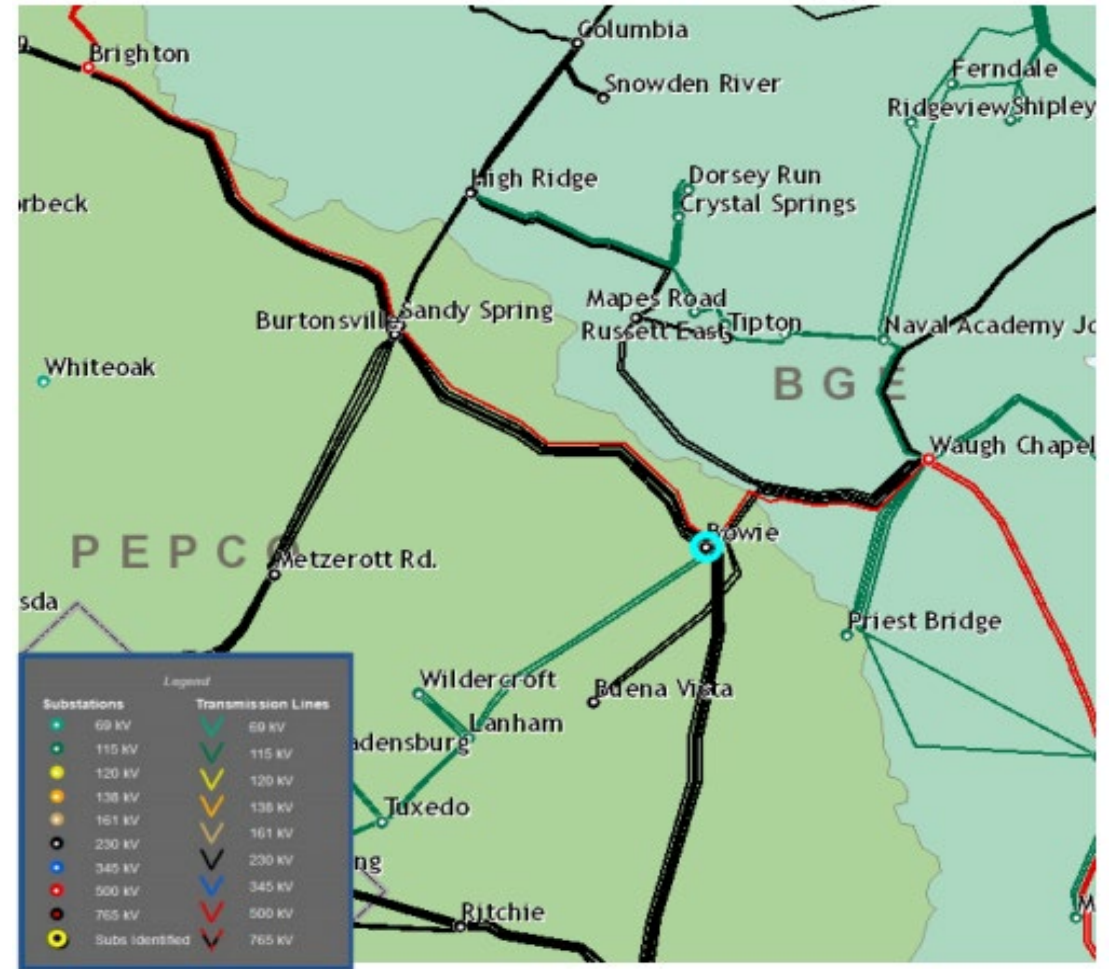
Replace the existing 230kV oil circuit breaker 1A at Bowie

**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:**

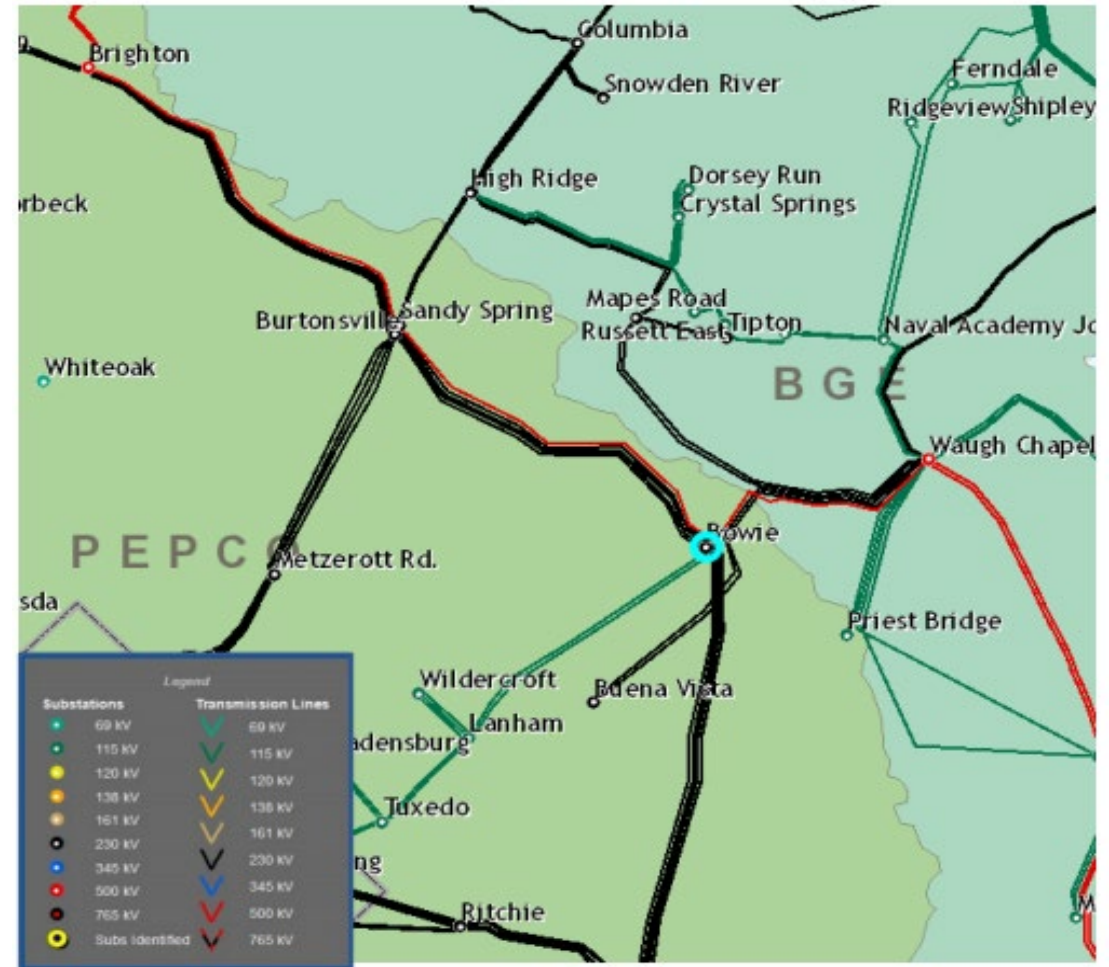
Equipment Material Condition, Performance, and Risk

**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:**

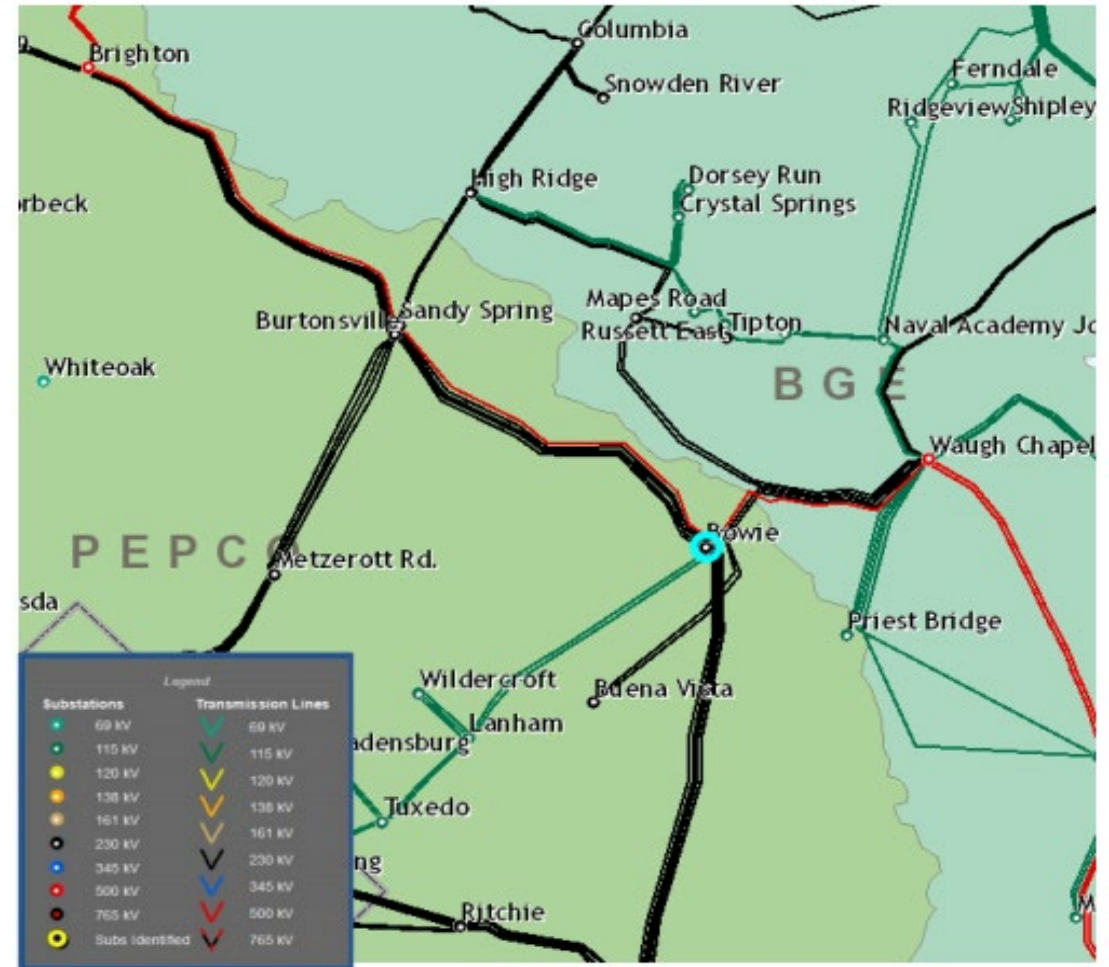
Replace the existing 230kV oil circuit breaker 2A at Bowie

**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:**

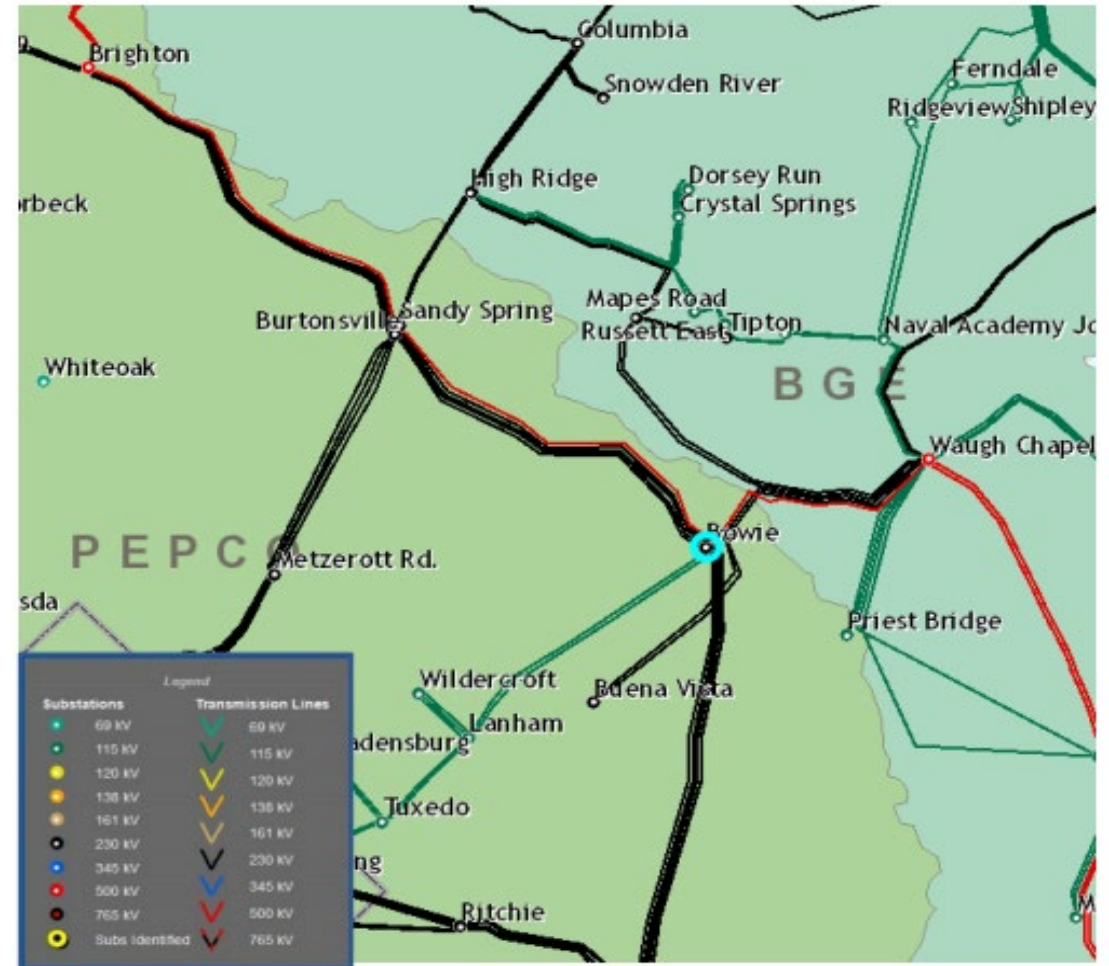
Equipment Material Condition, Performance, and Risk

**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



**Need Number:** PEP-2023-015

**Process Stage:**

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

**Selected Solution:**

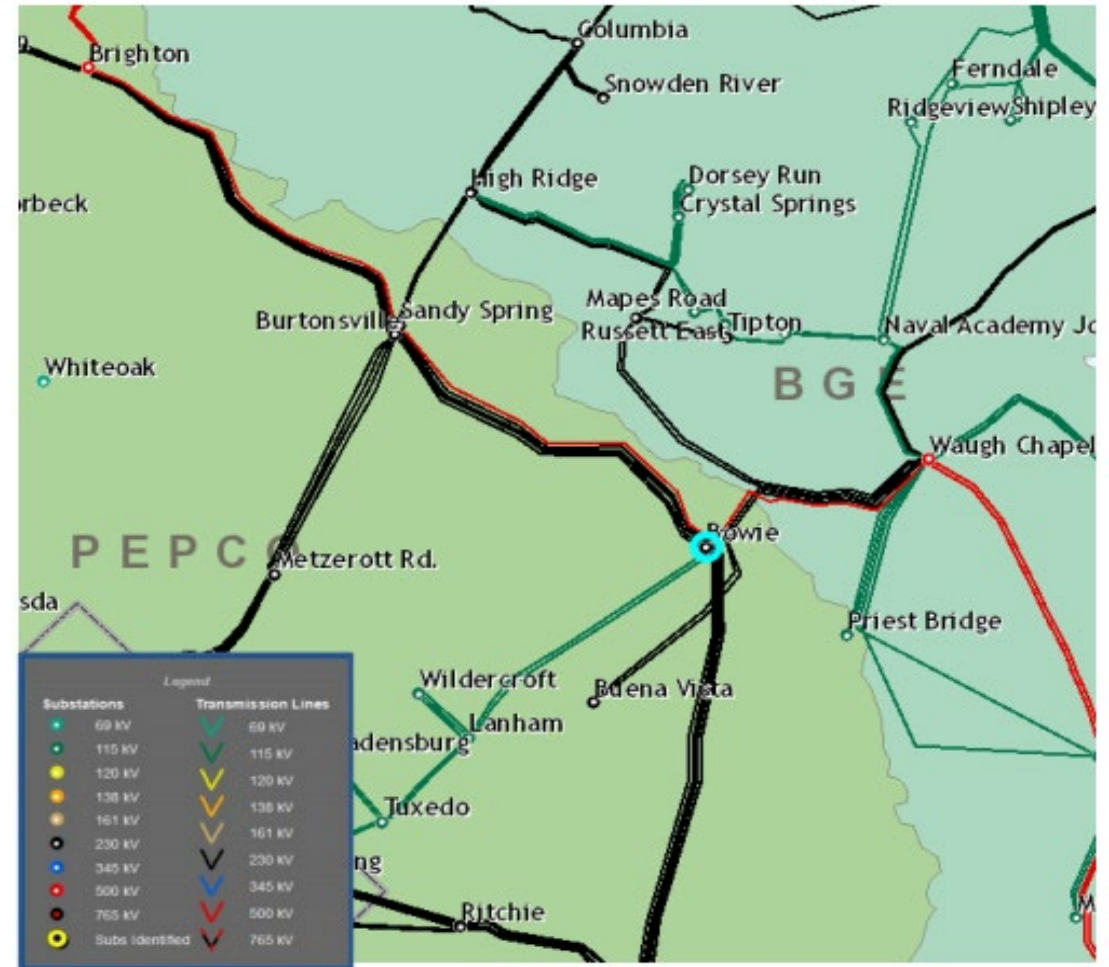
Replace the existing 230kV oil circuit breaker 3A at Bowie

**Estimated Cost:** \$810k

**Projected In-Service:** 5/3/24

**Supplemental Project ID:** s3531.1

**Project Status:** In-service





**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:**

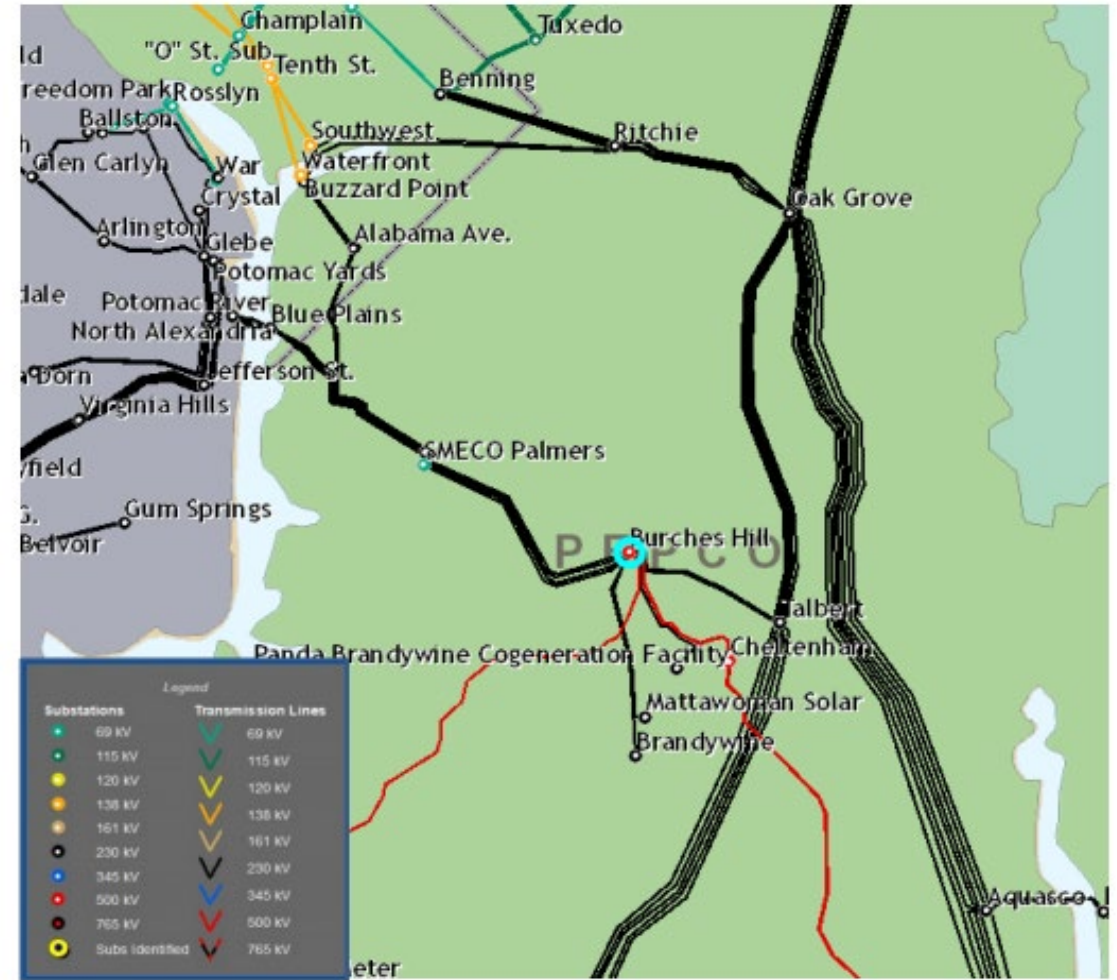
Equipment Material Condition, Performance, and Risk

**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



**Need Number:** PEP-2023-016

**Process Stage:**

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

**Selected Solution:**

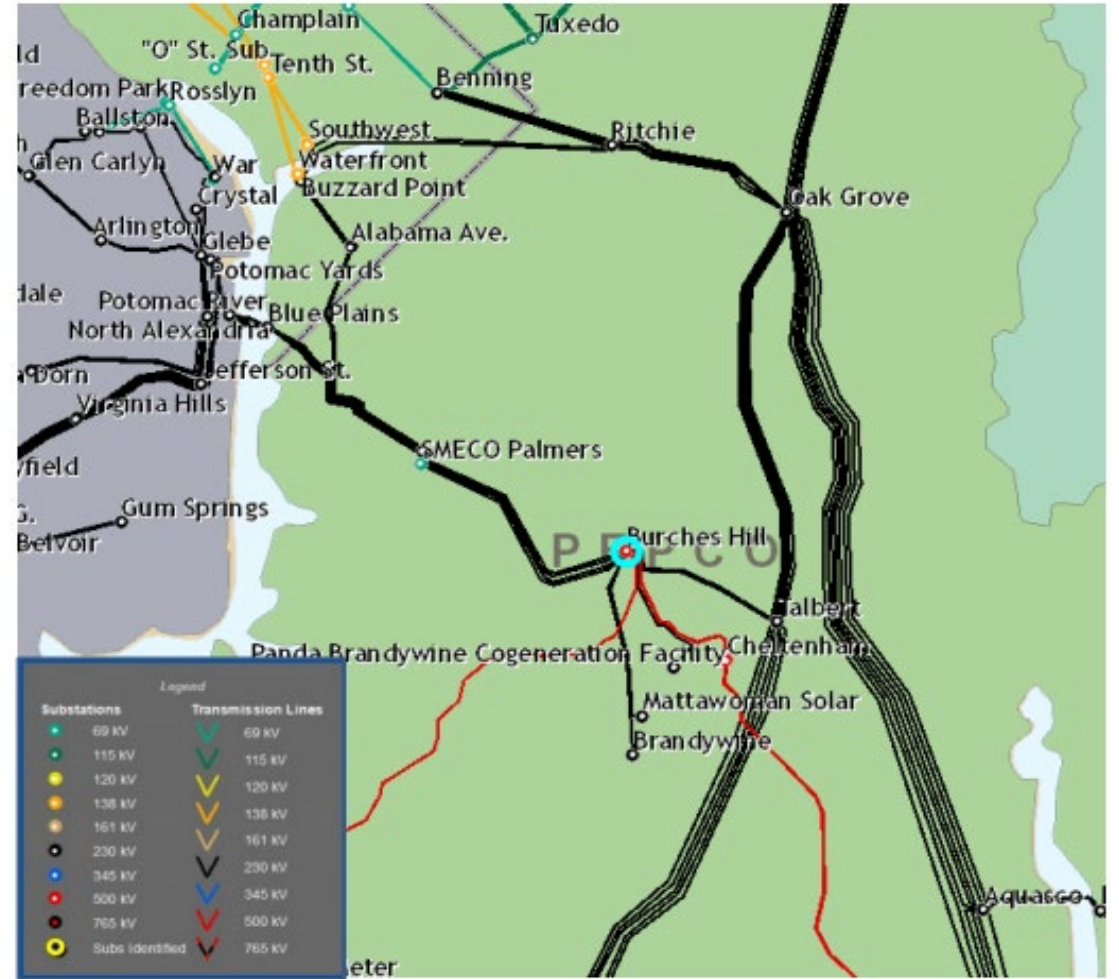
Replace the existing 230kV oil circuit breaker 3A at Burches Hill

**Estimated Cost:** \$810k

**Projected In-Service:** 5/3/24

**Supplemental Project ID:** s3532.1

**Project Status:** In-service





**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:

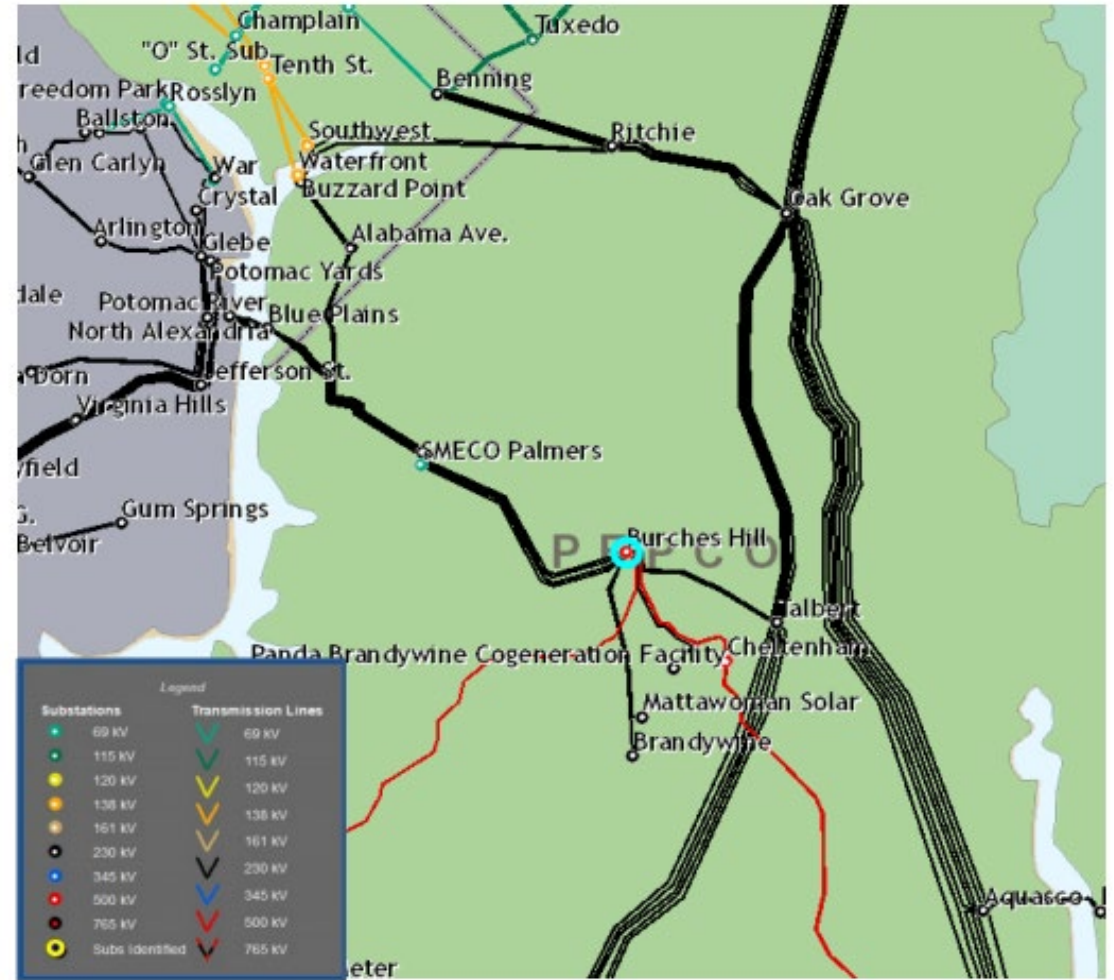
Equipment Material Condition, Performance, and Risk

### 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



**Need Number:** PEP-2023-017

**Process Stage:**

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

**Selected Solution:**

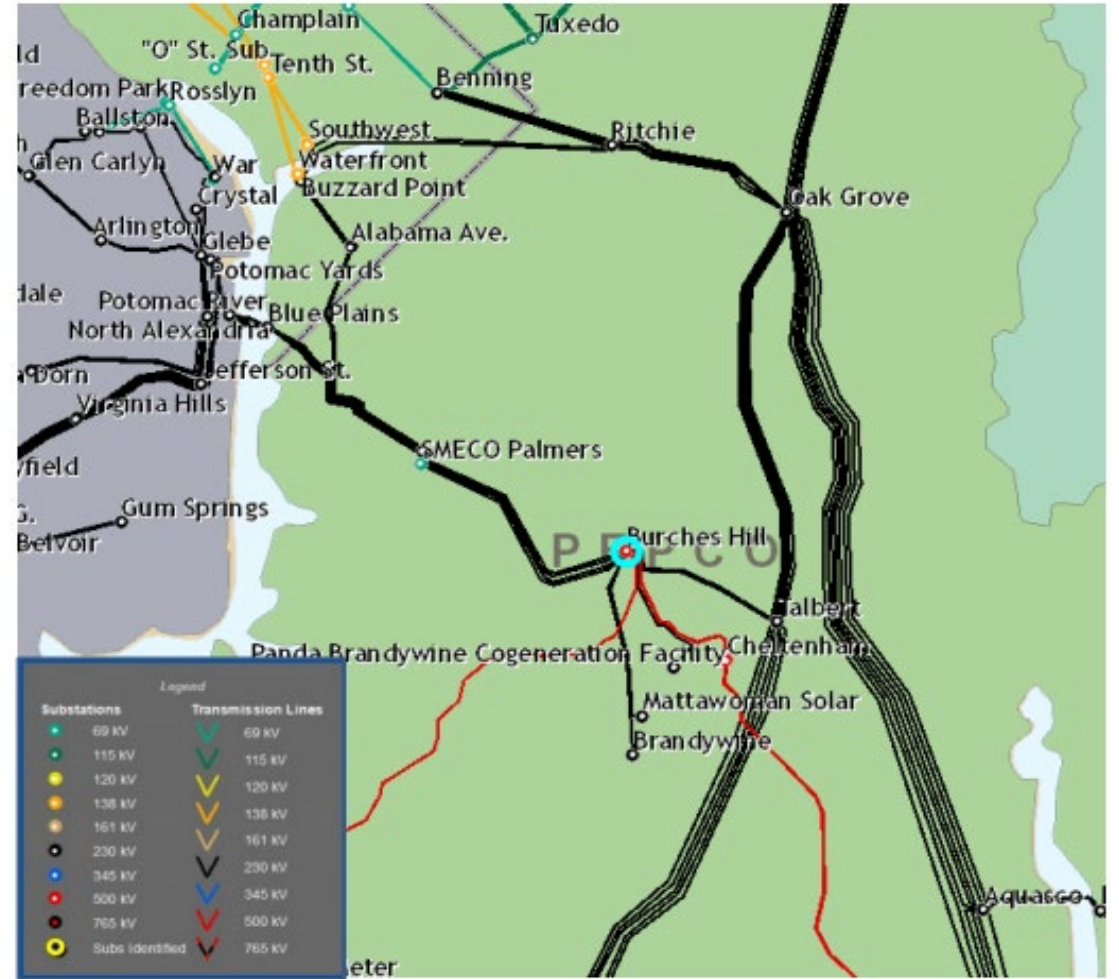
Replace the existing 230kV oil circuit breaker 3B at Burches Hill

**Estimated Cost:** \$810k

**Projected In-Service:** 5/3/24

**Supplemental Project ID:** s3533.1

**Project Status:** In-service





**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:**

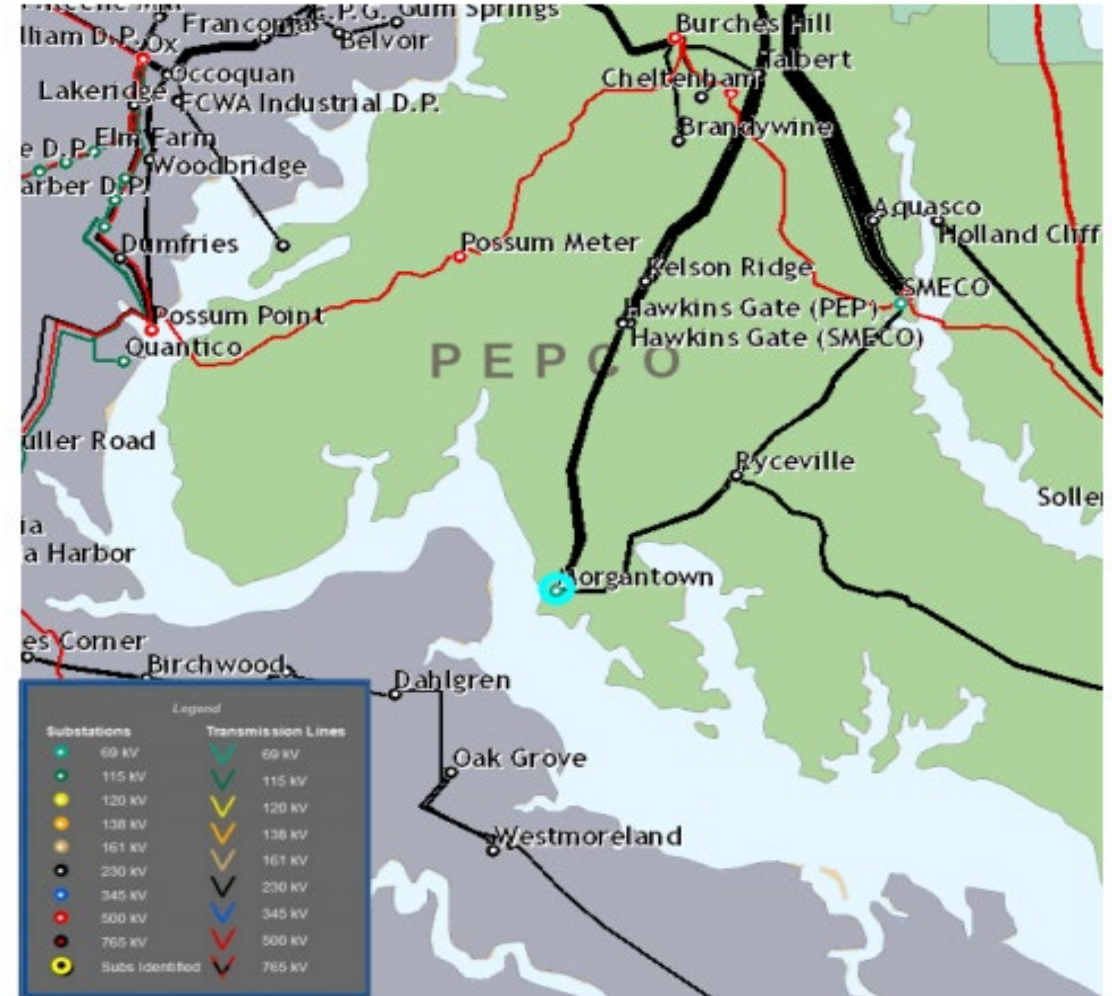
Equipment Material Condition, Performance, and Risk

**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



**Need Number:** PEP-2023-018

**Process Stage:**

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

**Selected Solution:**

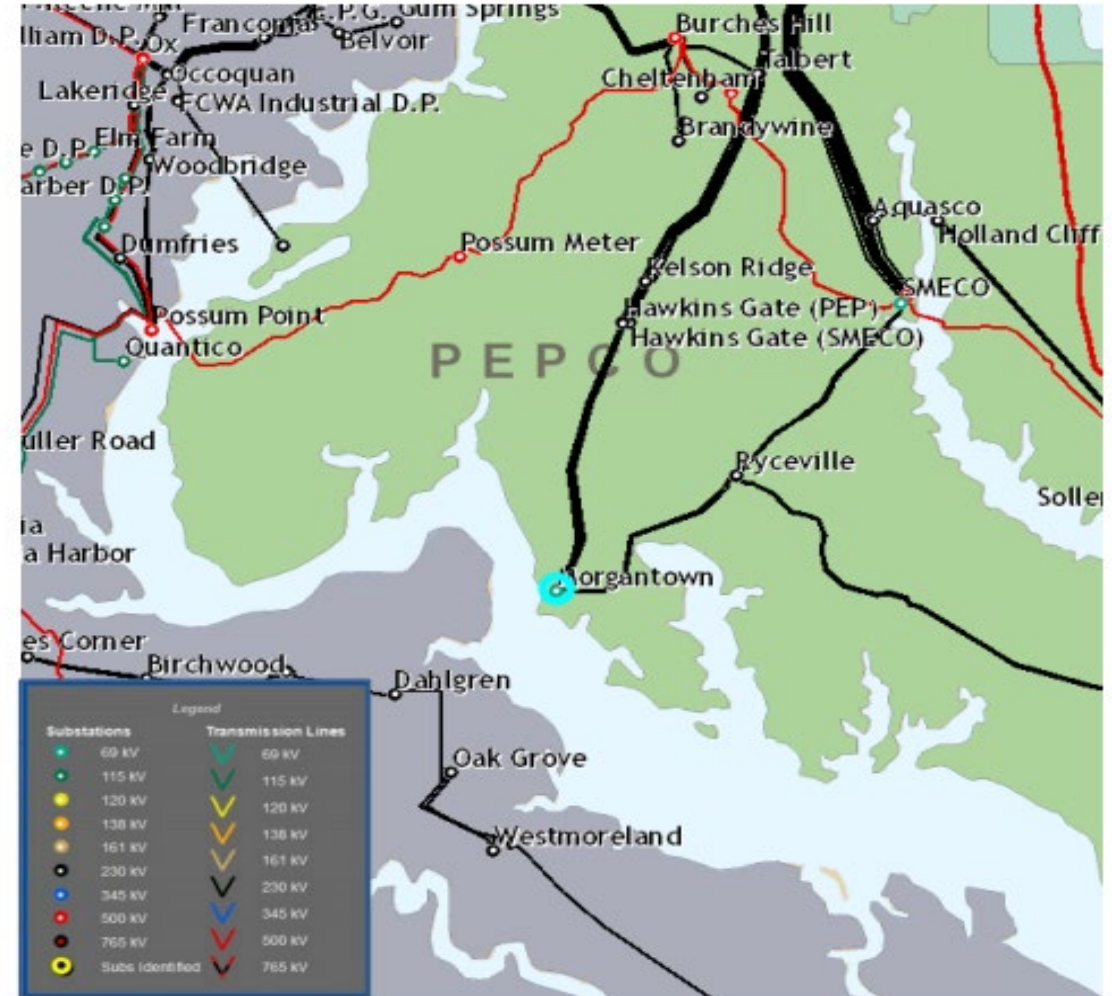
Replace the existing 230kV oil circuit breaker 6B at Morgantown

**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:**

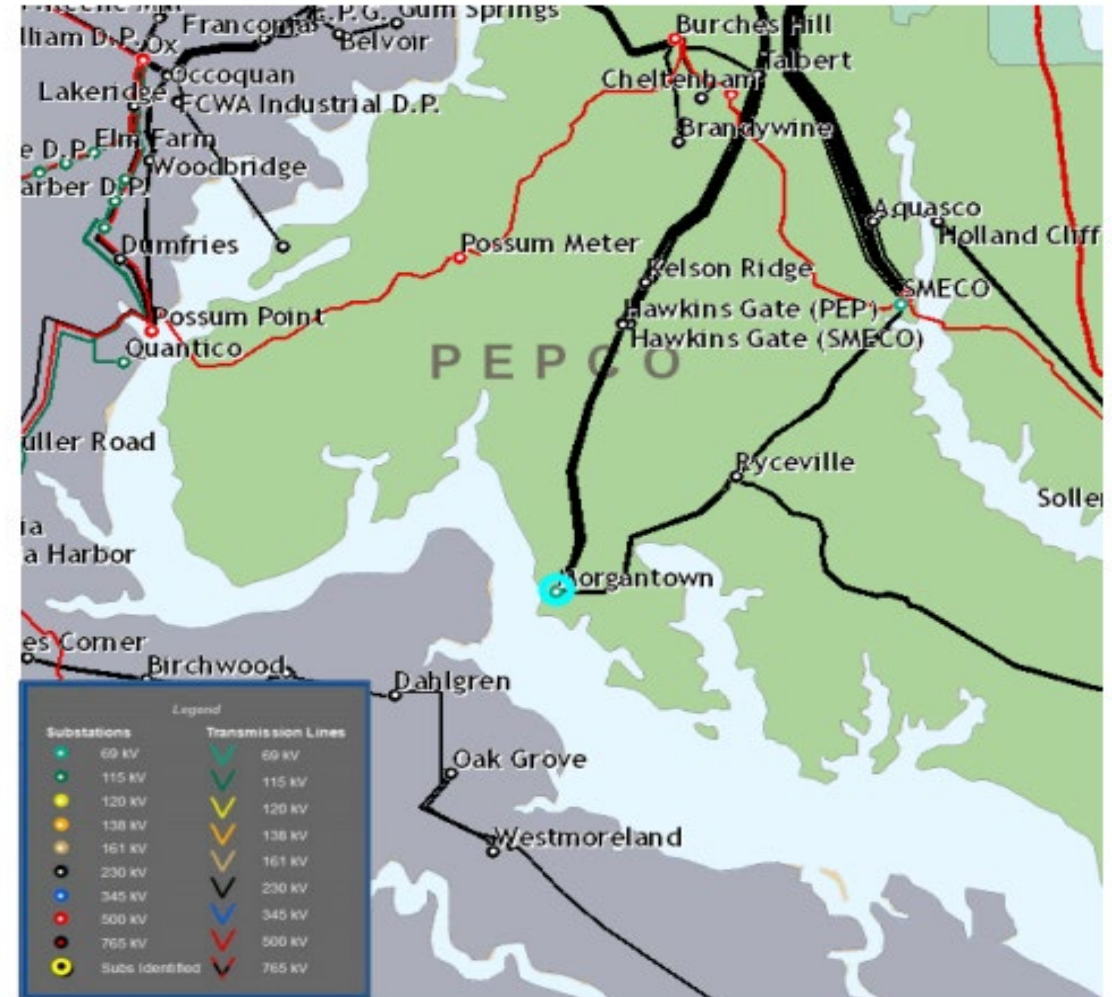
Equipment Material Condition, Performance, and Risk

**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



**Need Number:** PEP-2023-019

**Process Stage:**

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

**Selected Solution:**

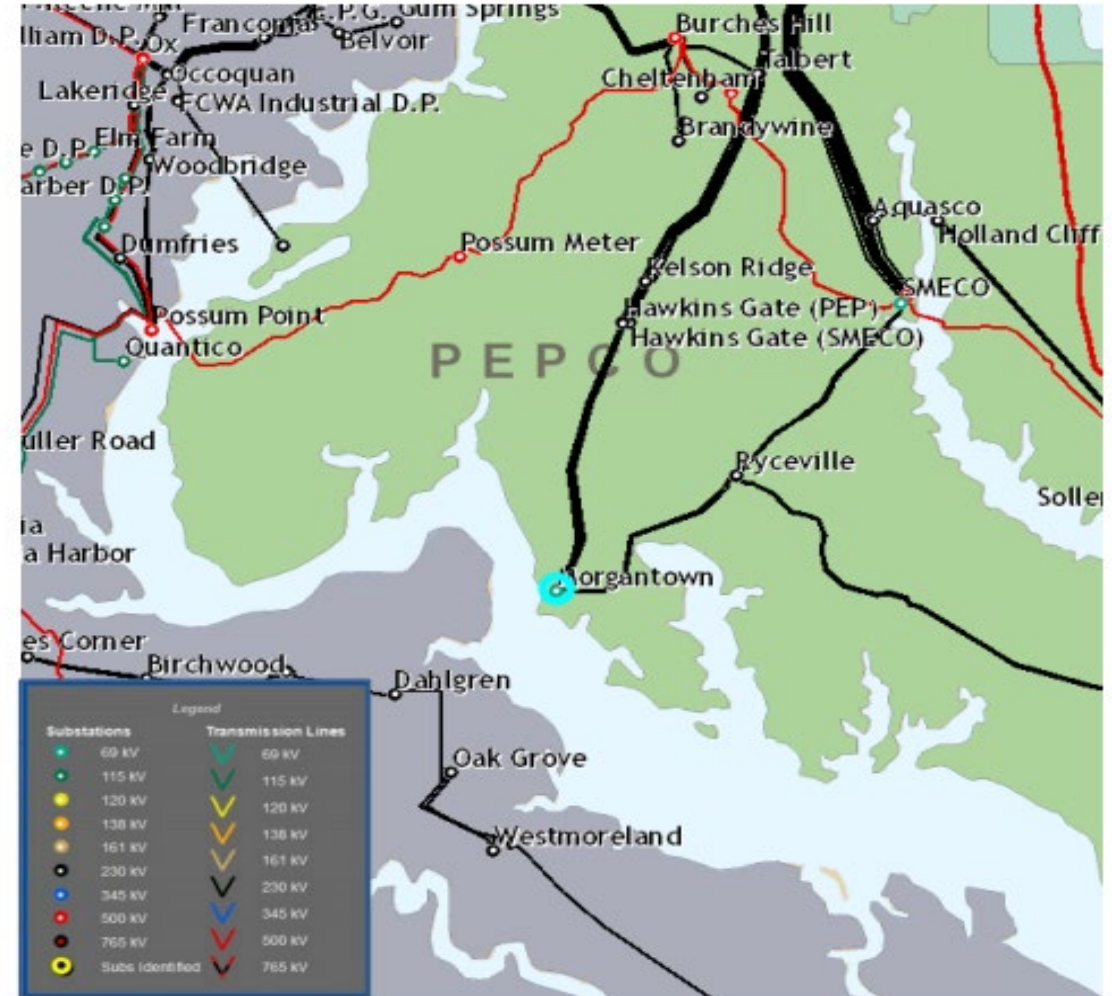
Replace the existing 230kV oil circuit breaker 6C at Morgantown

**Estimated Cost:** \$810k

**Projected In-Service:** 5/3/25

**Supplemental Project ID:** s3535.1

**Project Status:** Engineering







# 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

## Previously Presented:

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

## Project Driver:

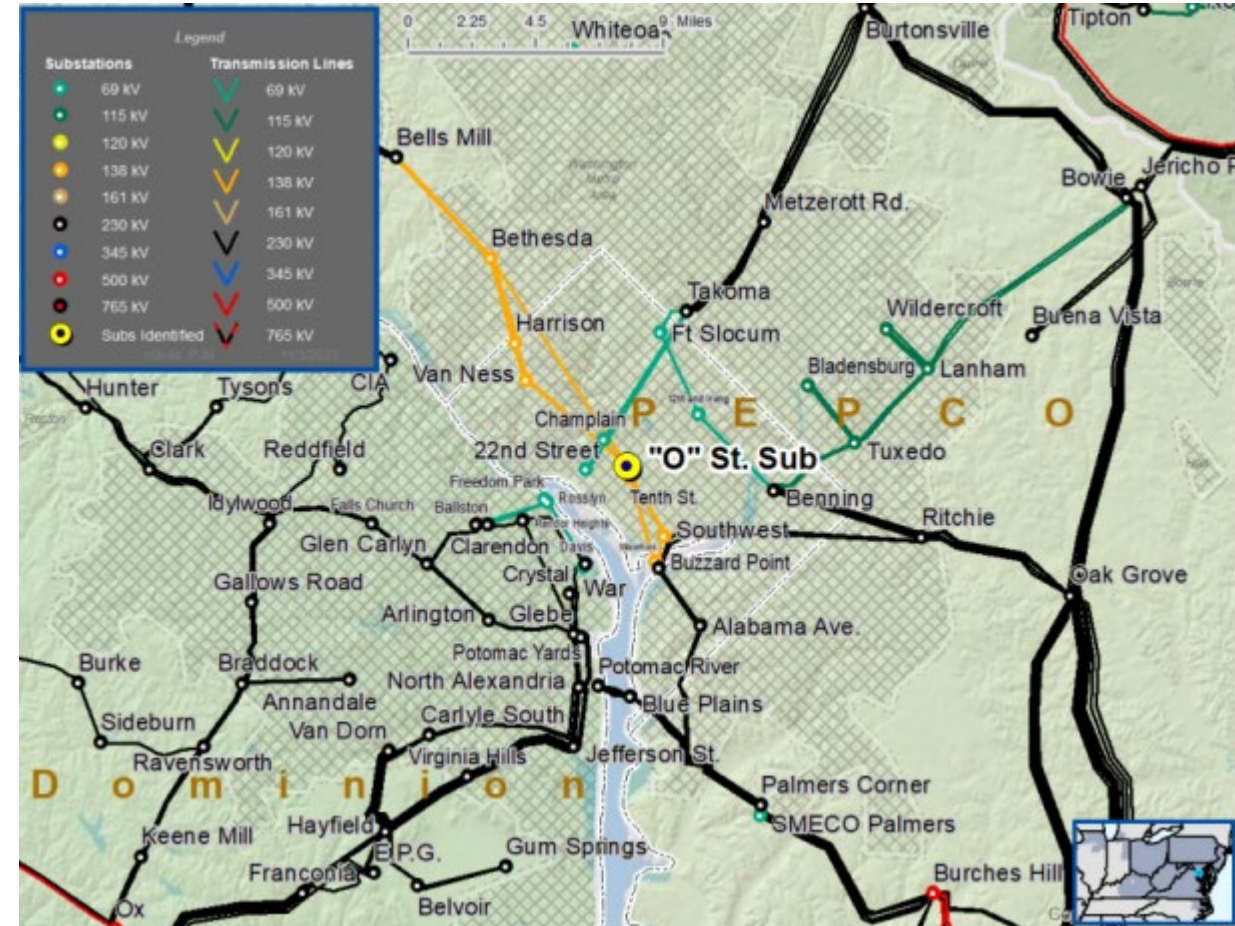
## Equipment Material Condition, Performance, and Risk

**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





**Need Number:** PEP-2023-020

### Process Stage:

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

### Selected Solution:

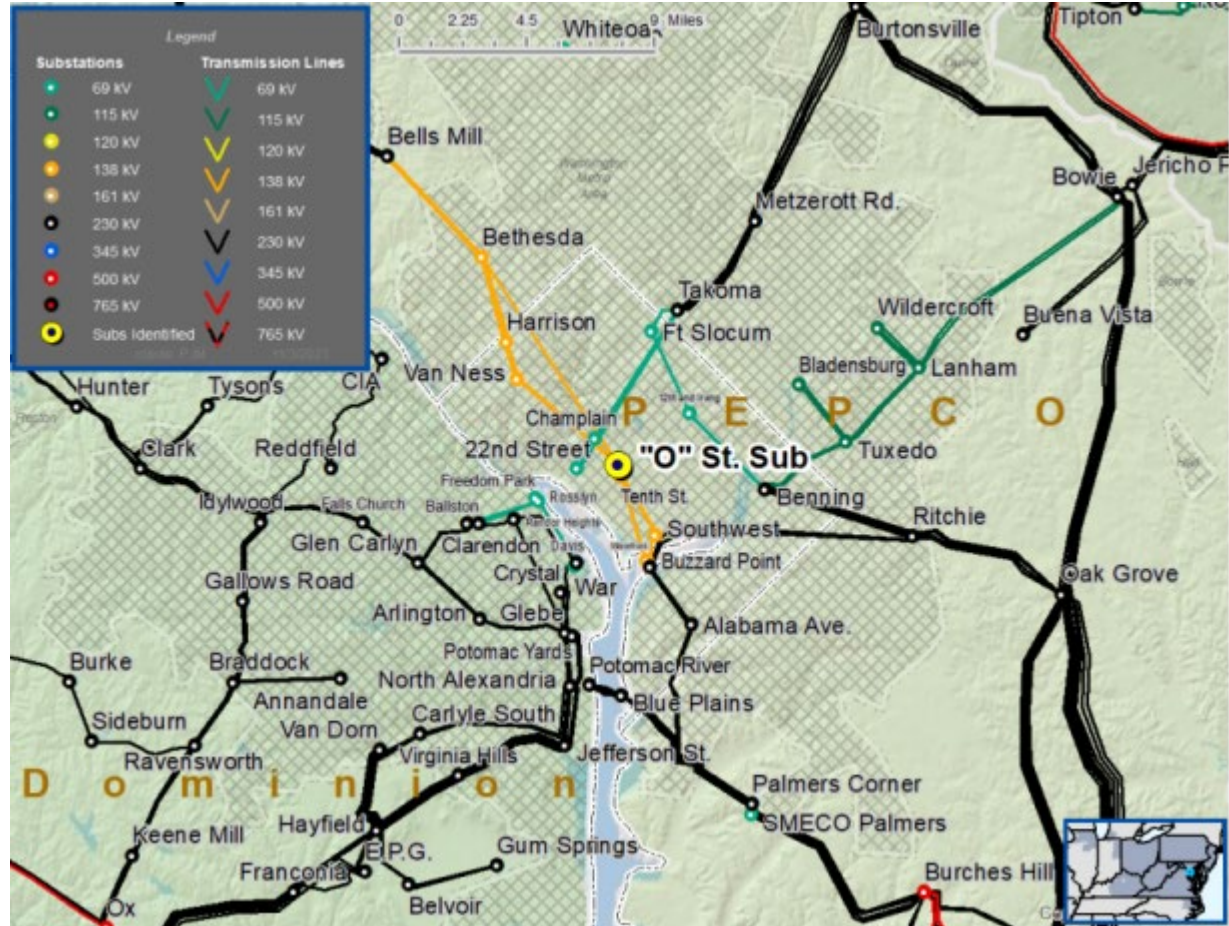
Replace the existing 138kV oil circuit breaker 1B at O Street

**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:

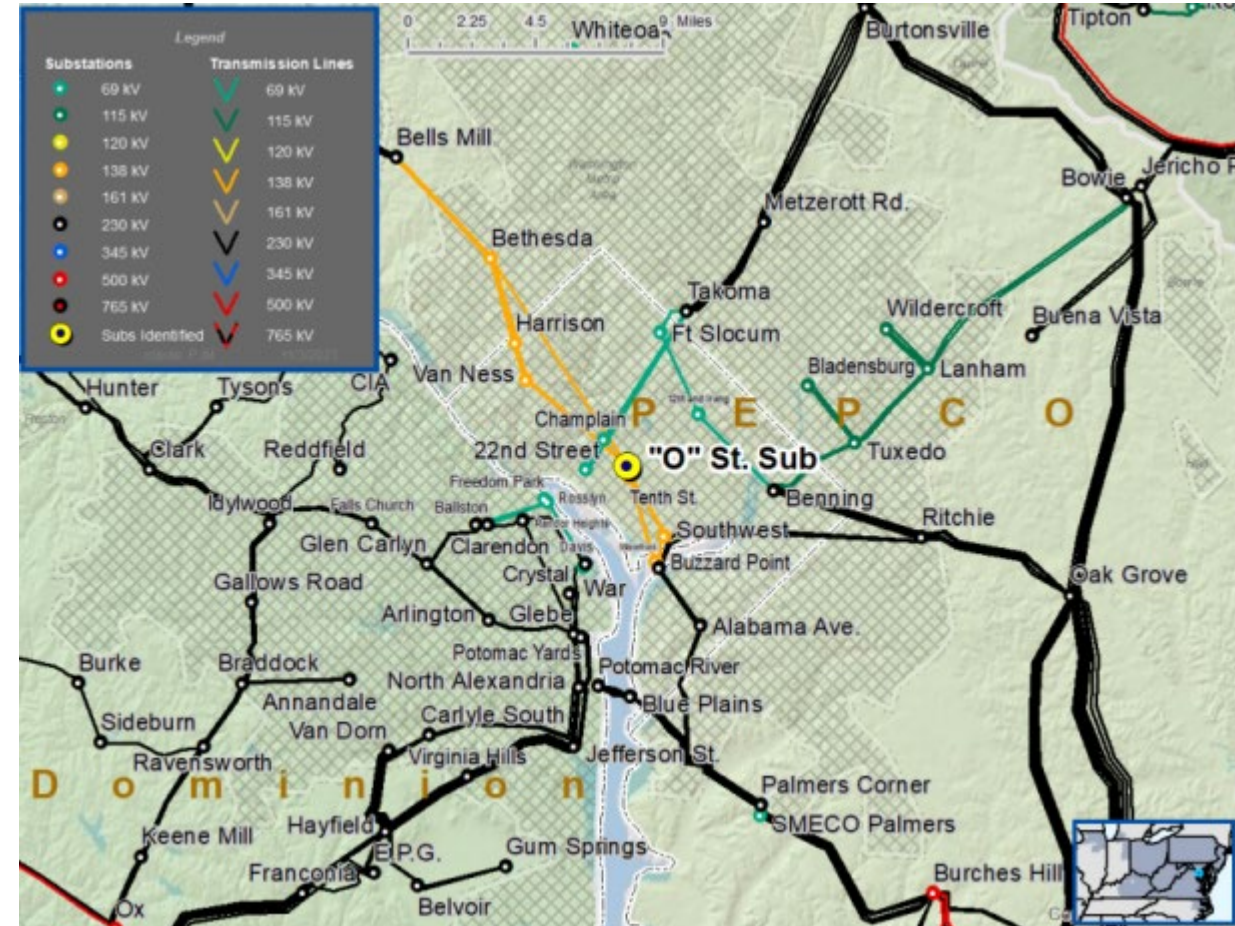
Equipment Material Condition, Performance, and Risk

### 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:**

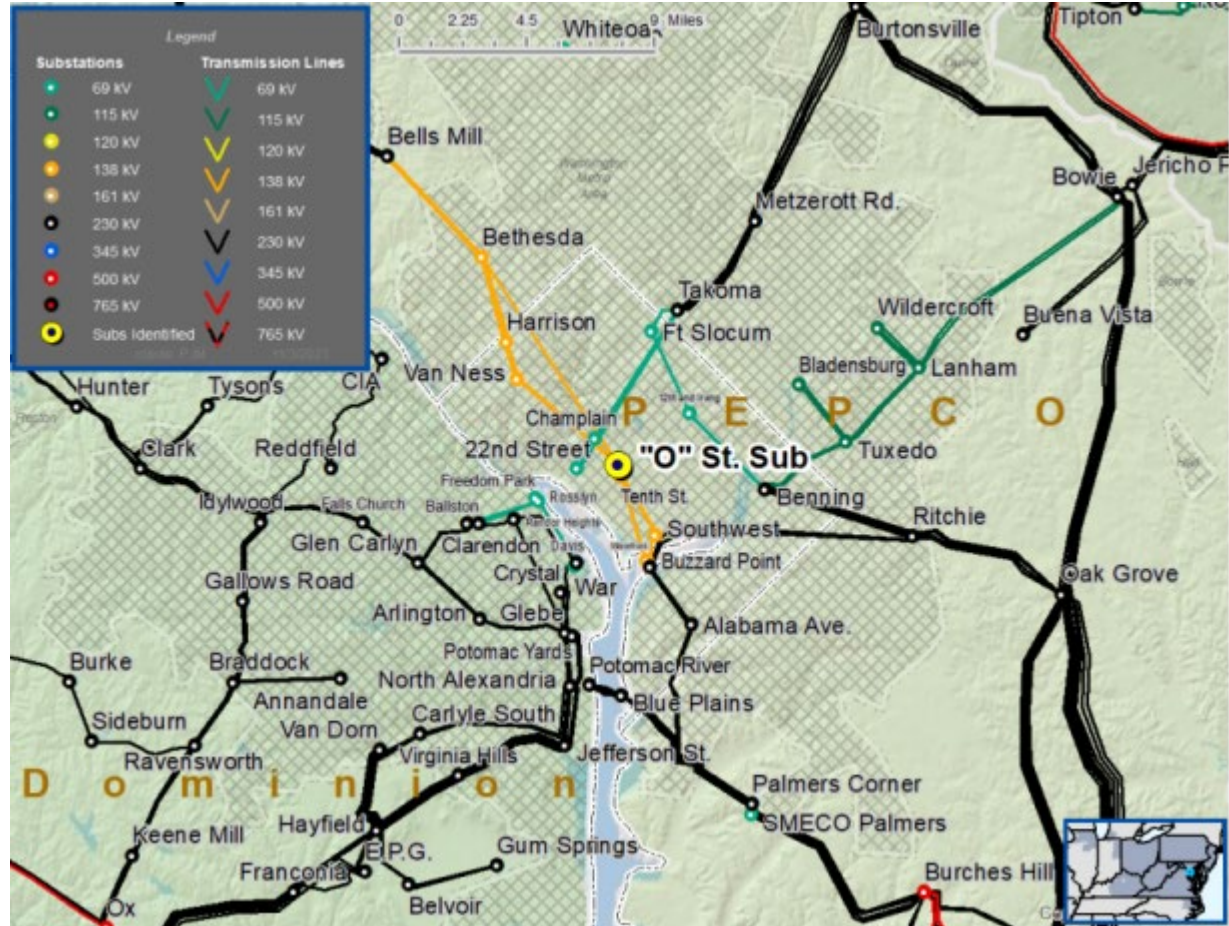
Replace the existing 138kV oil circuit breaker 3B at O Street

**Estimated Cost:** \$675k

**Projected In-Service:** 12/31/23

**Supplemental Project ID:** s3537.1

**Project Status:** In-service







# PEPCO Transmission Zone M-3 Process

## O Street 138kV 4B Breaker Replacement

**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:

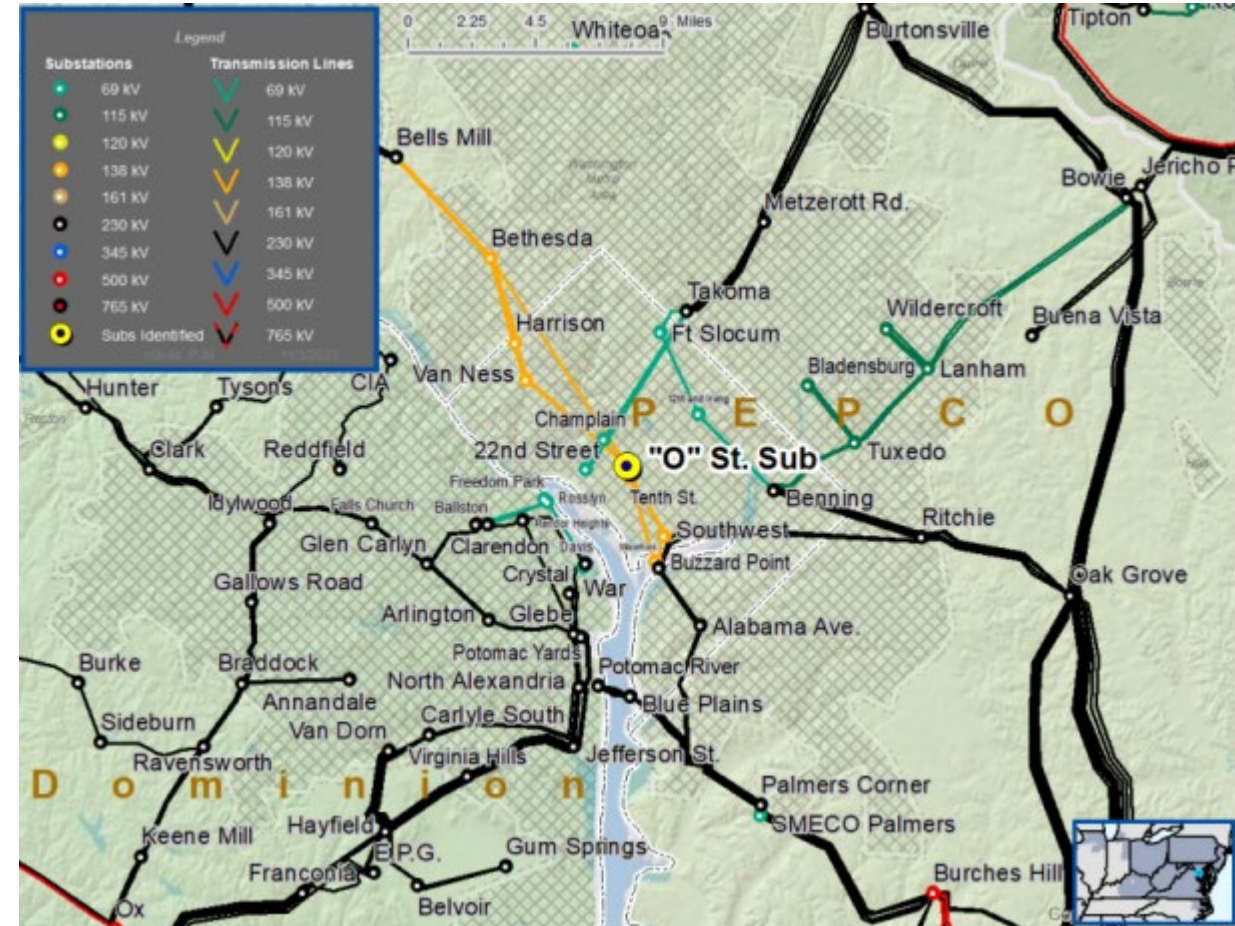
## Equipment Material Condition, Performance, and Risk

**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





# PEPCO Transmission Zone M-3 Process

## O Street 138kV 4B Breaker Replacement

**Need Number: PEP-2023-022**

### Process Stage:

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

### Selected Solution:

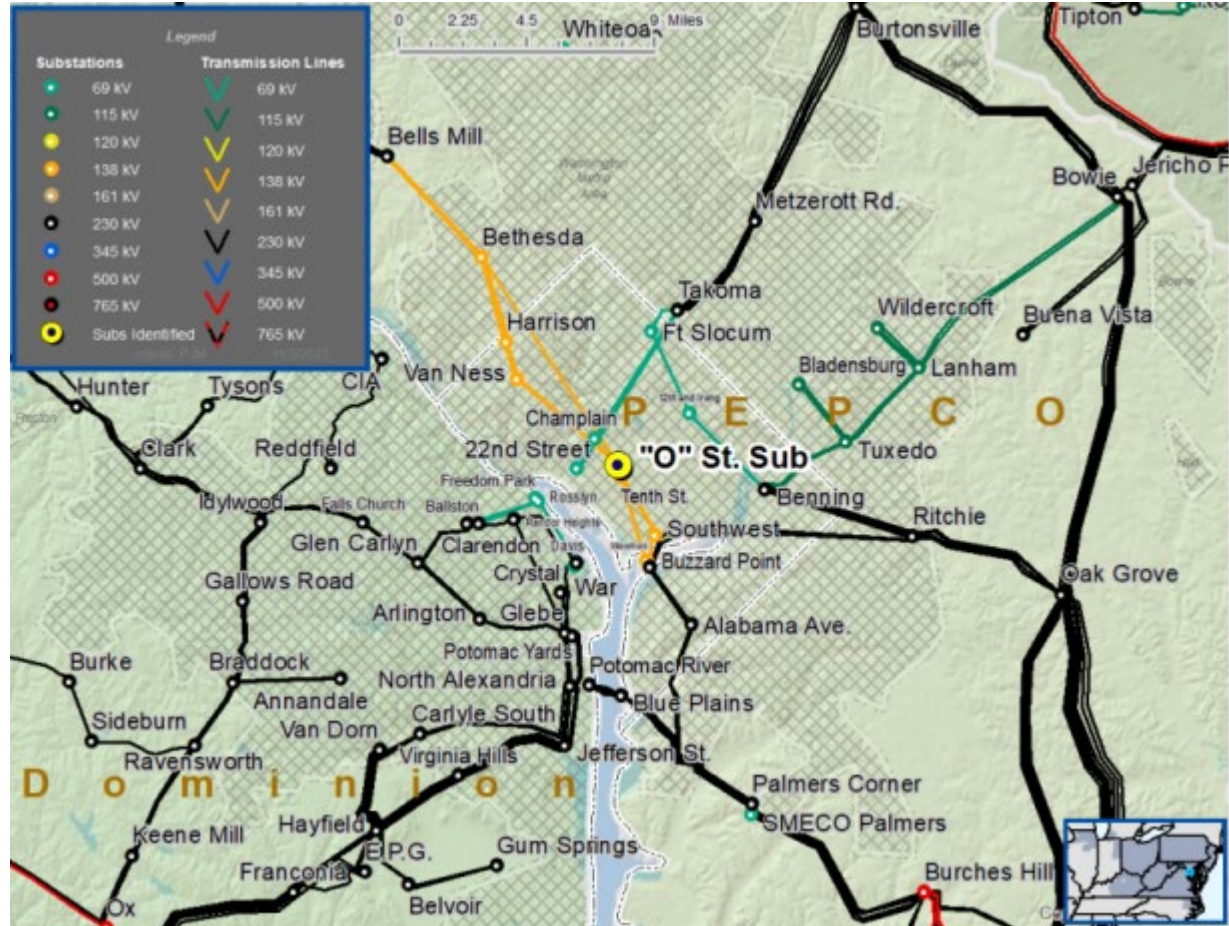
Replace the existing 138kV oil circuit breaker 4B at O Street

**Estimated Cost: \$675k**

**Projected In-Service: 1/31/24**

**Supplemental Project ID: s3538.1**

**Project Status:** In-service





**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:**

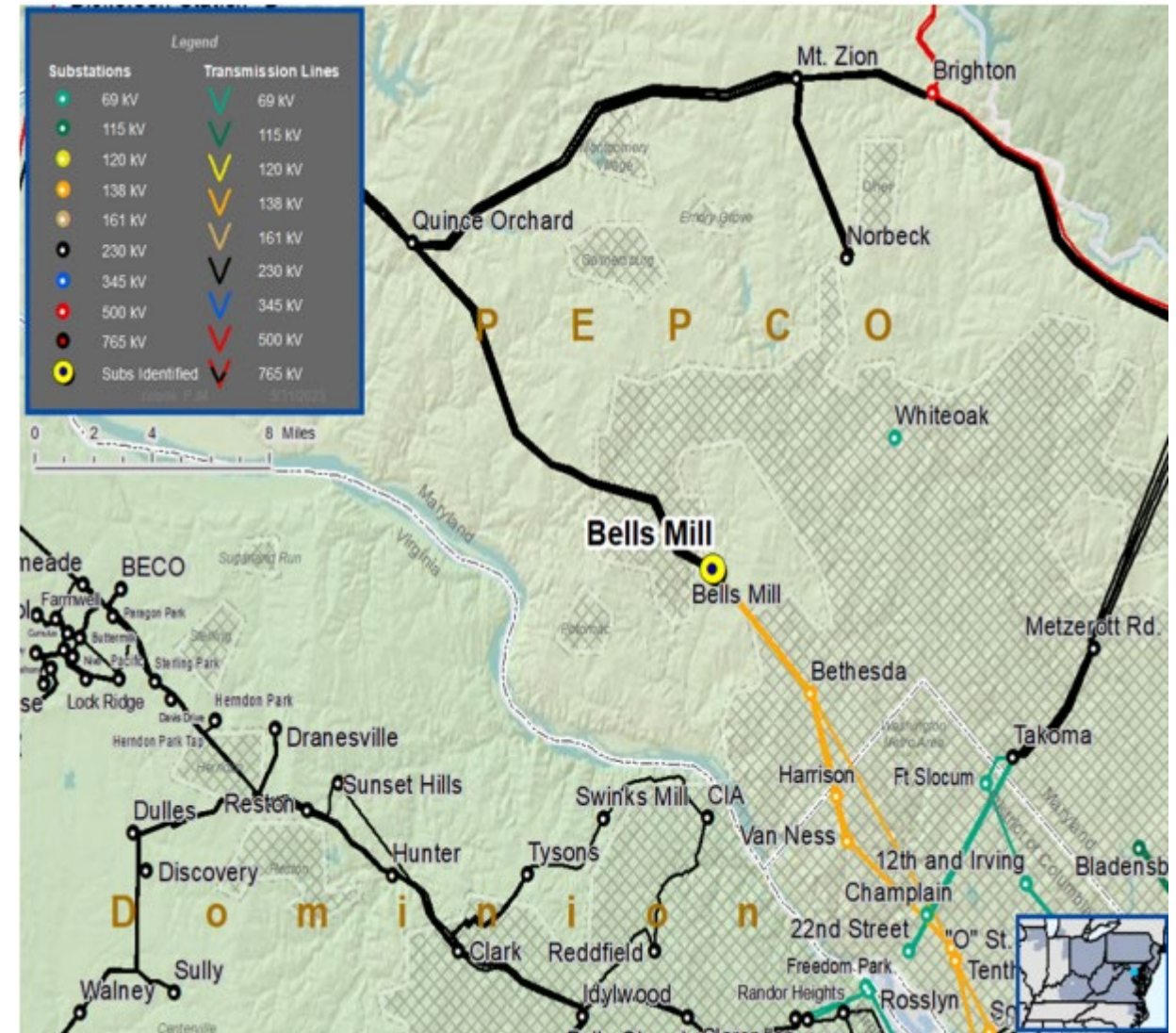
Equipment Material Condition, Performance and Risk.

**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.





**Need Number:** PEP-2023-005

**Process Stage:**

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

**Selected Solution:**

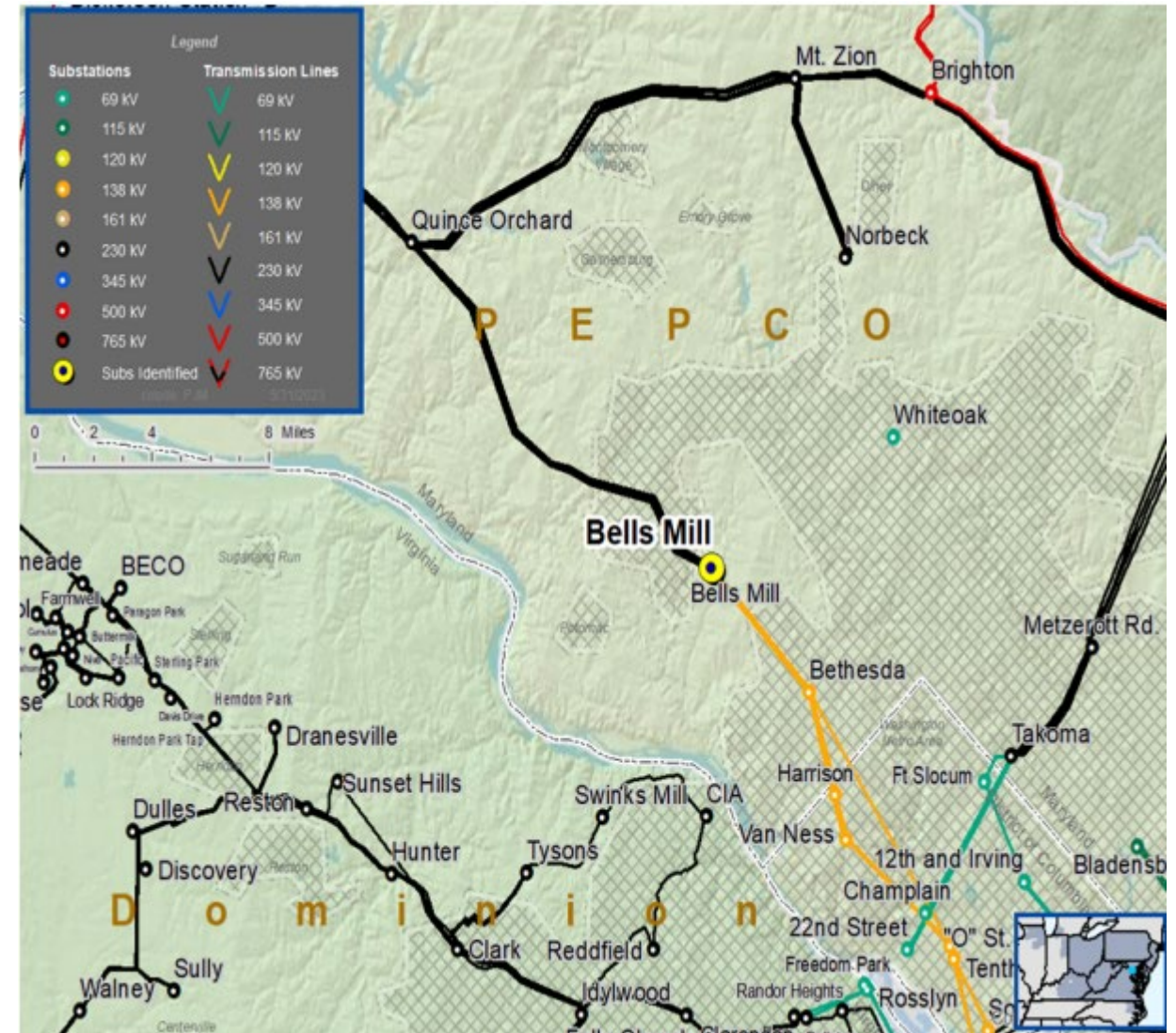
Replace the existing 138kV oil circuit breaker 8BT at Bells Mill

**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