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

BGE Transmission Zone M-3 Process

Need Number: BGE-2022-004

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 3/28/2023

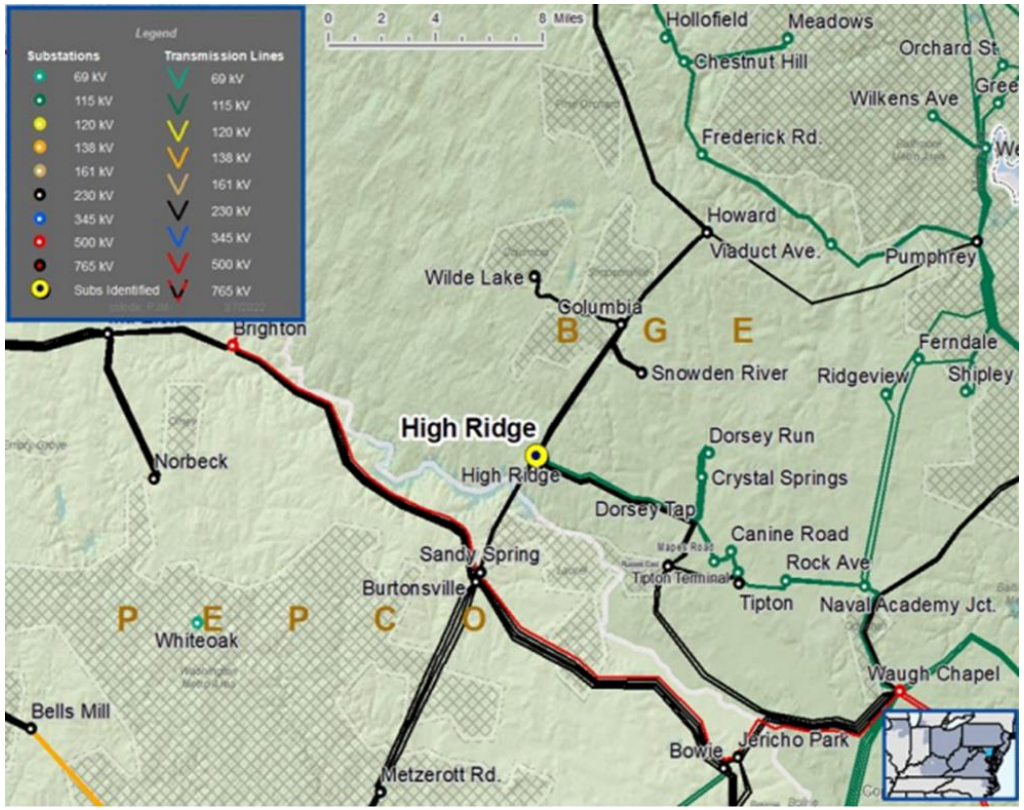
Previously Presented:
Need 9/6/2022
Solution 10/4/2022

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, cables, etc.

Problem Statement:

- High Ridge 230/115 kV transformer 230-1 installed in 1960 is in deteriorating condition and has elevated maintenance costs.



BGE Transmission Zone M-3 Process

Need Number: BGE-2022-004

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 3/28/2023

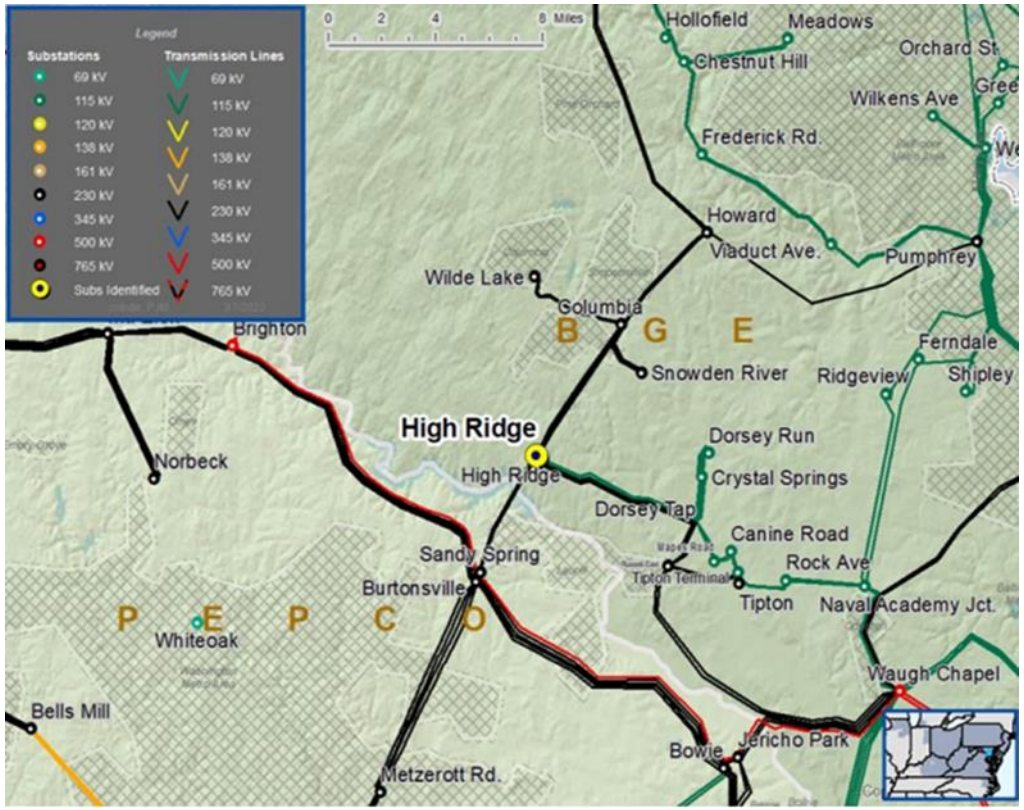
Selected Solution:
Replace High Ridge 230-1 Transformer and associated equipment

Estimated Cost: $7.4M

Projected In-Service: 6/2023

Supplemental Project ID: s2839

Project Status: Construction



BGE Transmission Zone M-3 Process
Chesaco Park to Middle River 110580

Need Number: BGE-2022-005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 6/14/2023

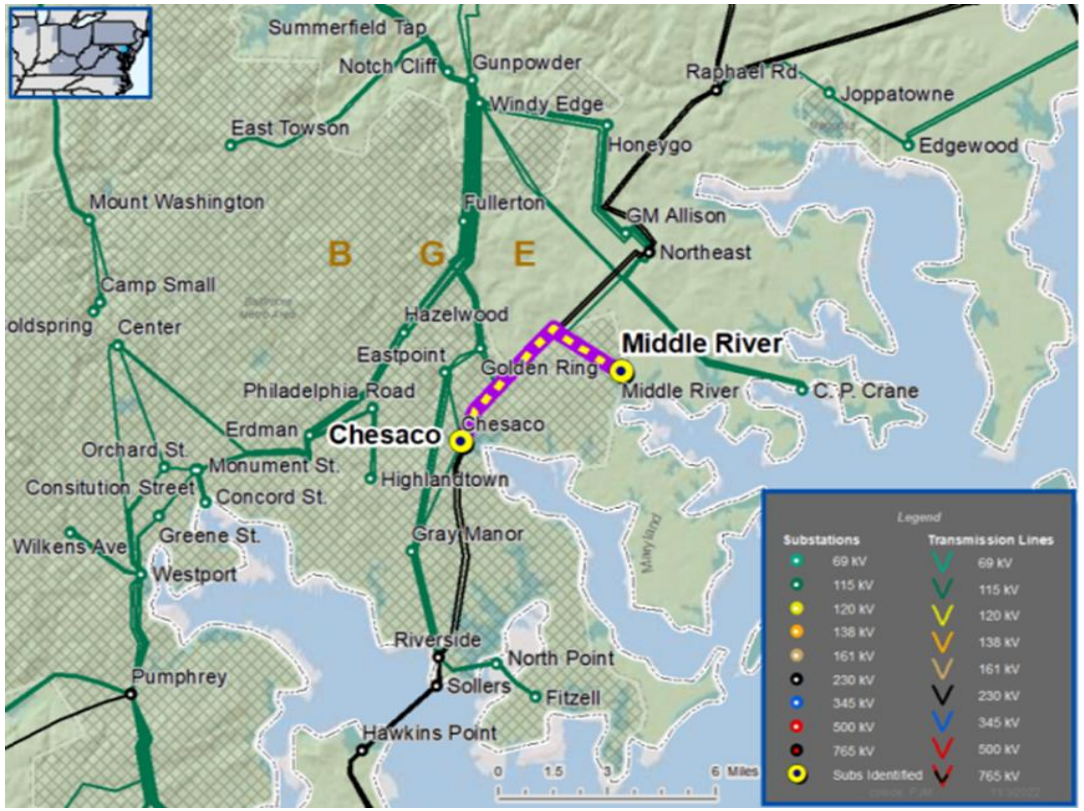
Previously Presented:
Need 11/17/2022
Solution 2/16/2023

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, cables, etc.

Problem Statement:

- 115 kV Line 110580 between Chesaco Park and Middle River substations installed in 1941 utilizes a non-standard 415 Hollow Core Cu conductor that is in deteriorating condition.



BGE Transmission Zone M-3 Process
Chesaco Park to Middle River 110580

Need Number: BGE-2022-005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 6/14/2023

Selected Solution:

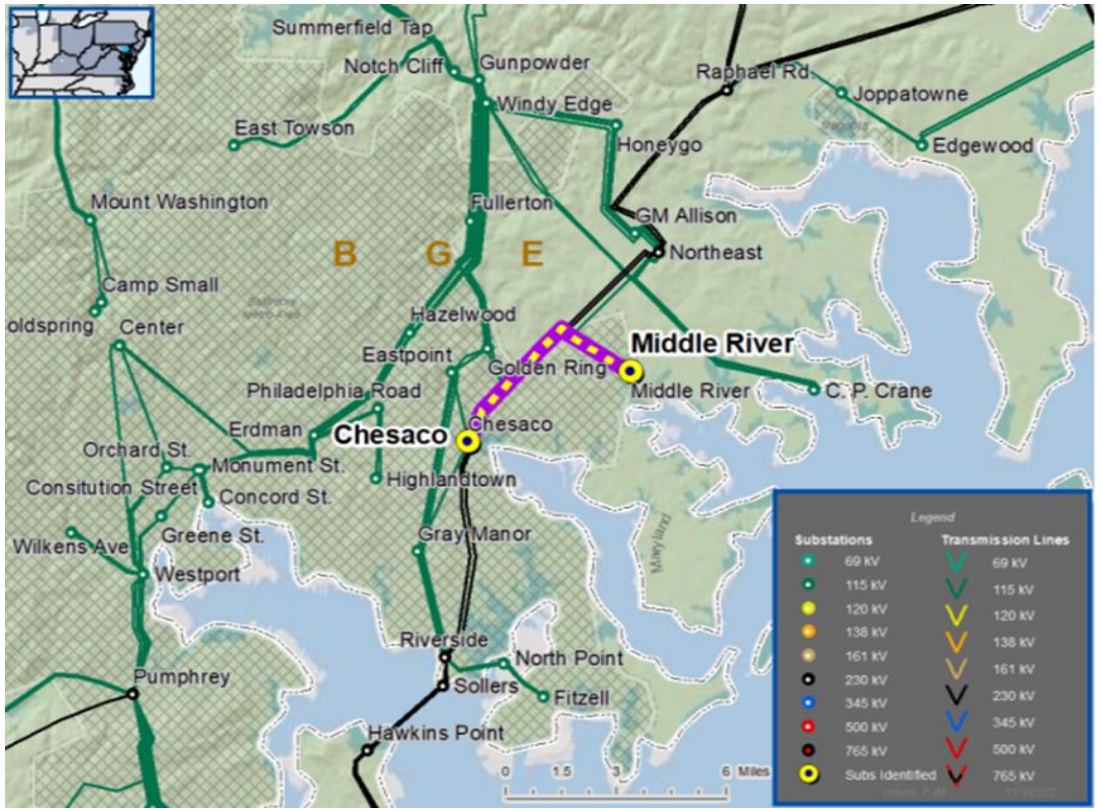
Replace 77 spans of 415 Hollow core Cu conductor with 421.9 kcmil ACCS

Estimated Cost: $13.3M

Projected In-Service: 5/14/2024

Supplemental Project ID: s2893

Project Status: Engineering



BGE Transmission Zone M-3 Process
High Ridge Circuit Breaker B21

Need Number: BGE-2023-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 6/14/2023

Previously Presented:
Need 2/16/2023
Solution 3/16/2023

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, cables, etc.

Problem Statement:

- High Ridge 115kV circuit breaker #B21 installed in 1951 is in deteriorating condition and has elevated maintenance costs

BGE Transmission Zone M-3 Process
High Ridge Circuit Breaker B21

Need Number: BGE-2023-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 6/14/2023

Selected Solution:

Replace High Ridge circuit breaker B21

Estimated Cost: $1.3M

Projected In-Service: 6/7/2023

Supplemental Project ID: s2908

Project Status: In-service

BGE Transmission Zone M-3 Process
Pumphrey Circuit Breaker B8

Need Number: BGE-2023-002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 6/14/2023

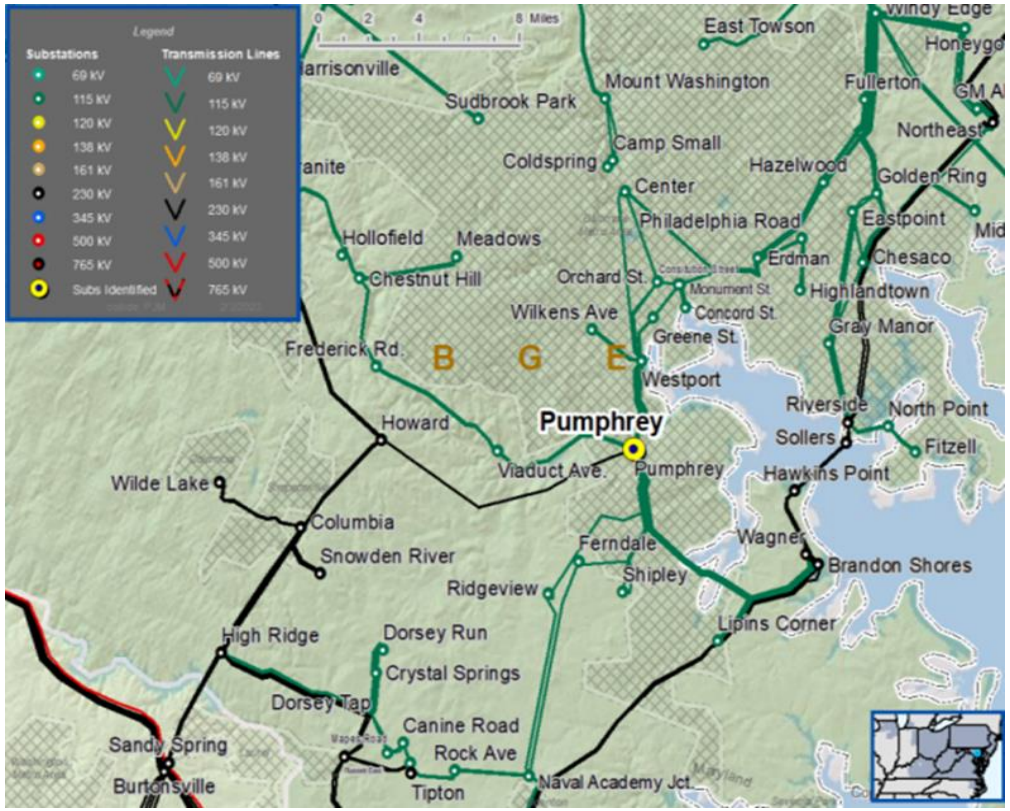
Previously Presented:
Need 2/16/2023
Solution 3/16/2023

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, cables, etc.

Problem Statement:

- Pumphrey 115kV circuit breaker #B8 installed in 1977 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Pumphrey Circuit Breaker B8

Need Number: BGE-2023-002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 6/14/2023

Selected Solution:

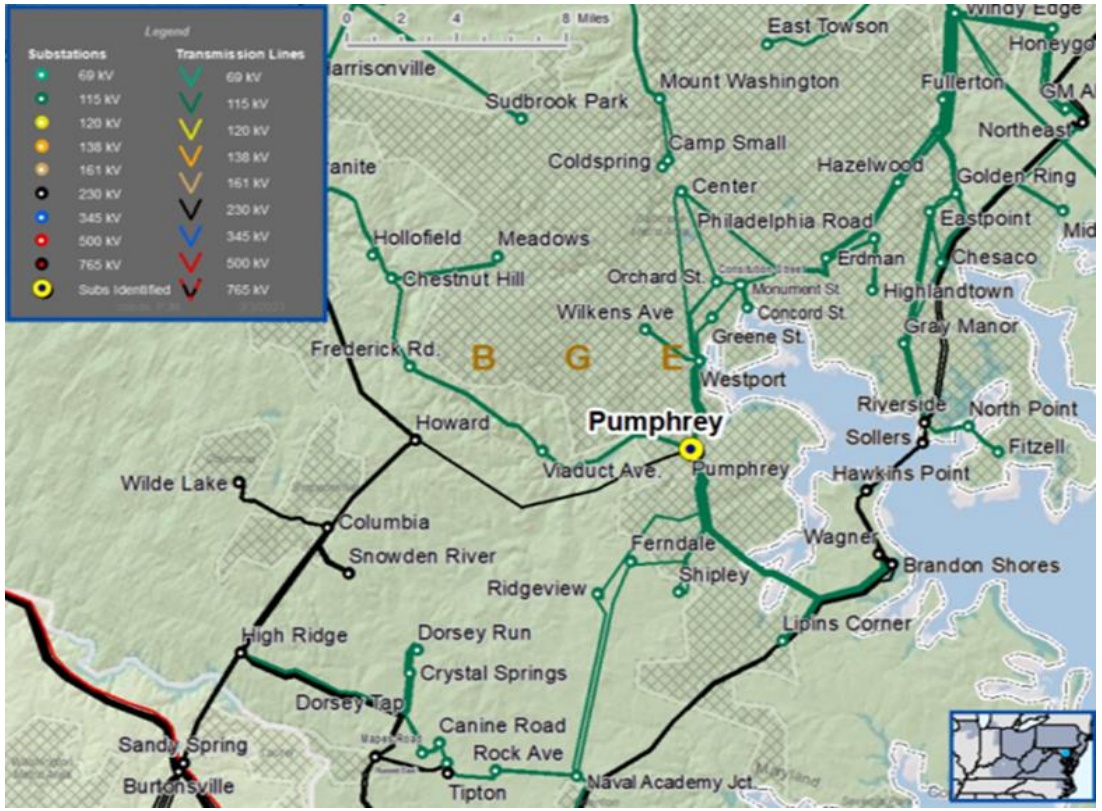
Replace Pumphrey circuit breaker B8

Estimated Cost: $1.5M

Projected In-Service: 4/6/2023

Supplemental Project ID: s2909

Project Status: In-service



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-003

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

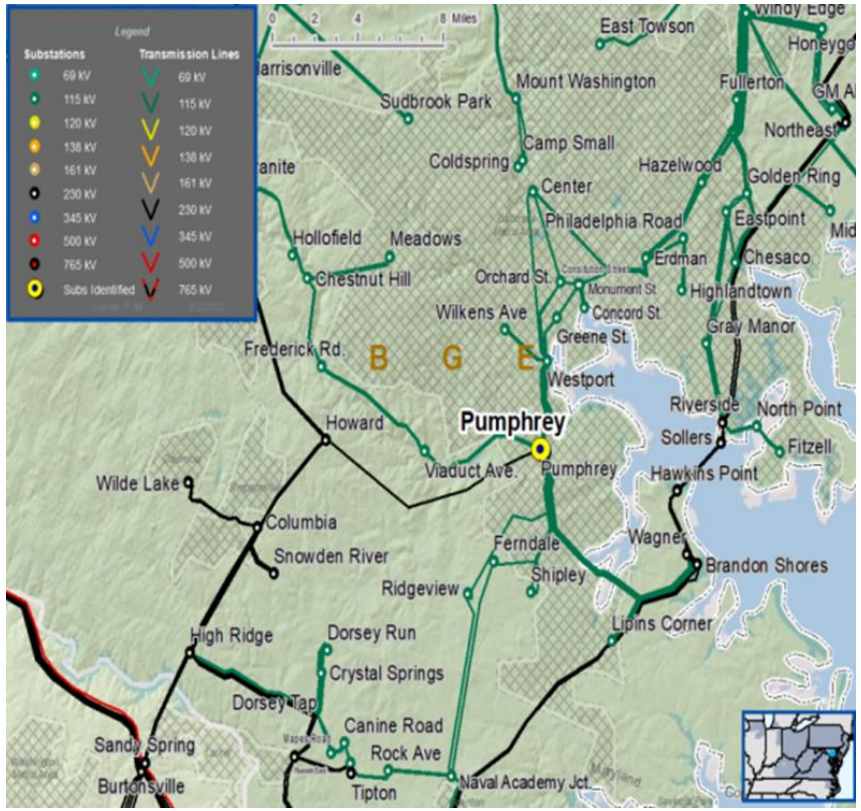
Previously Presented:
Need 4/20/2023
Solution 5/18/2023

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, cables, etc.

Problem Statement:

- Pumphrey 115kV circuit breaker #B27 installed in 1975 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-003

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

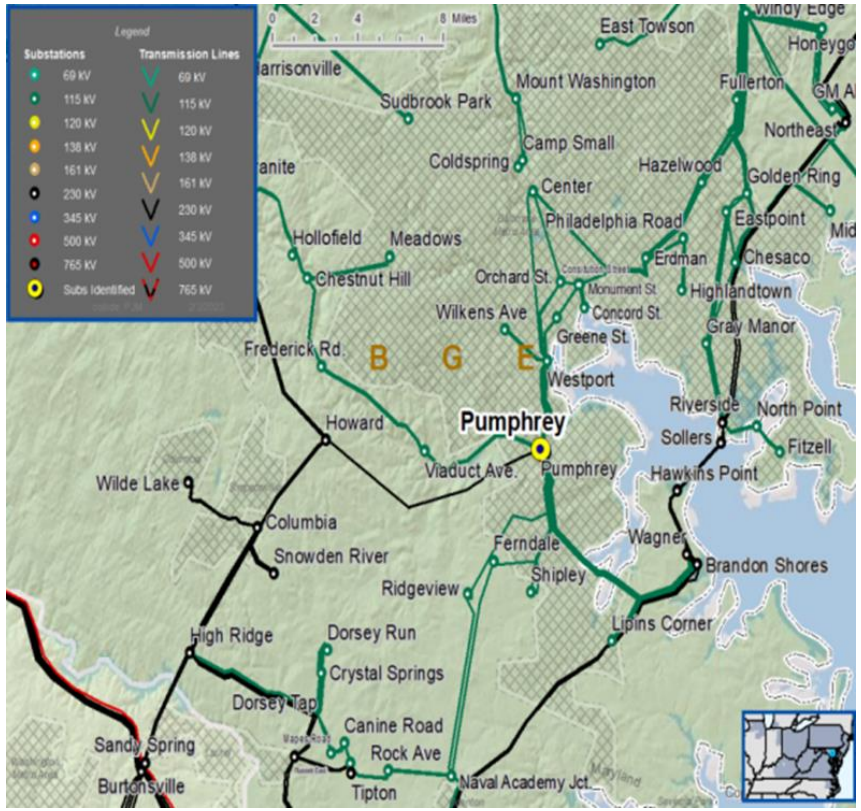
Selected Solution:
Replace Pumphrey circuit breaker B27

Estimated Cost: $0.7M

Projected In-Service: 10/12/2023

Supplemental Project ID: s2959

Project Status: Construction



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-004

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

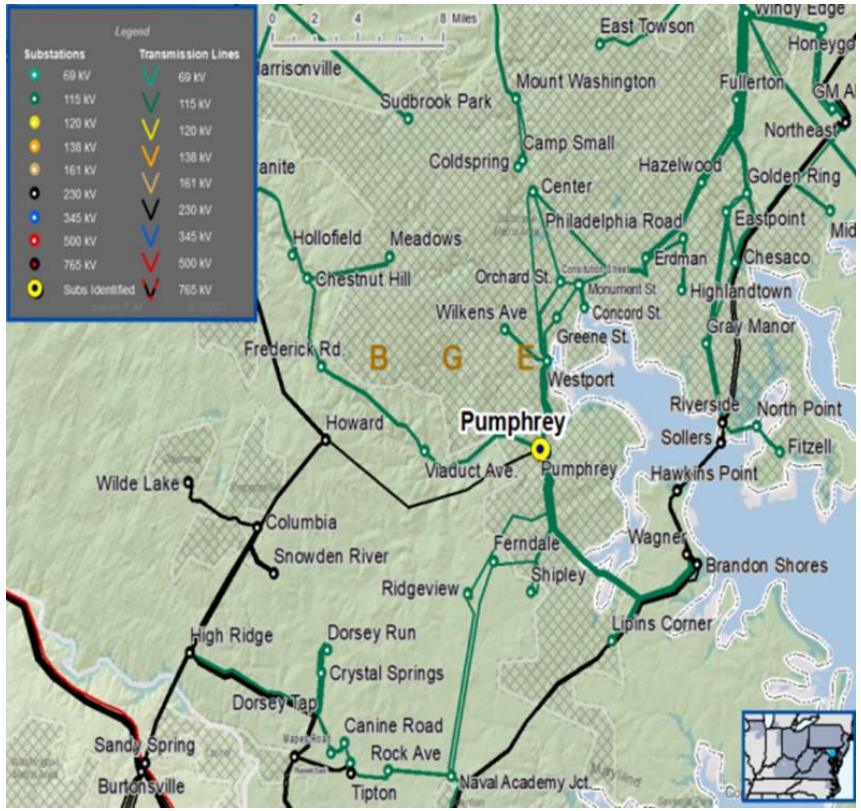
Previously Presented:
Need 4/20/2023
Solution 5/18/2023

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, cables, etc.

Problem Statement:

- Pumphrey 115kV circuit breaker #B30 installed in 1975 is in deteriorating condition and has elevated maintenance costs



Need Number: BGE-2023-004

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

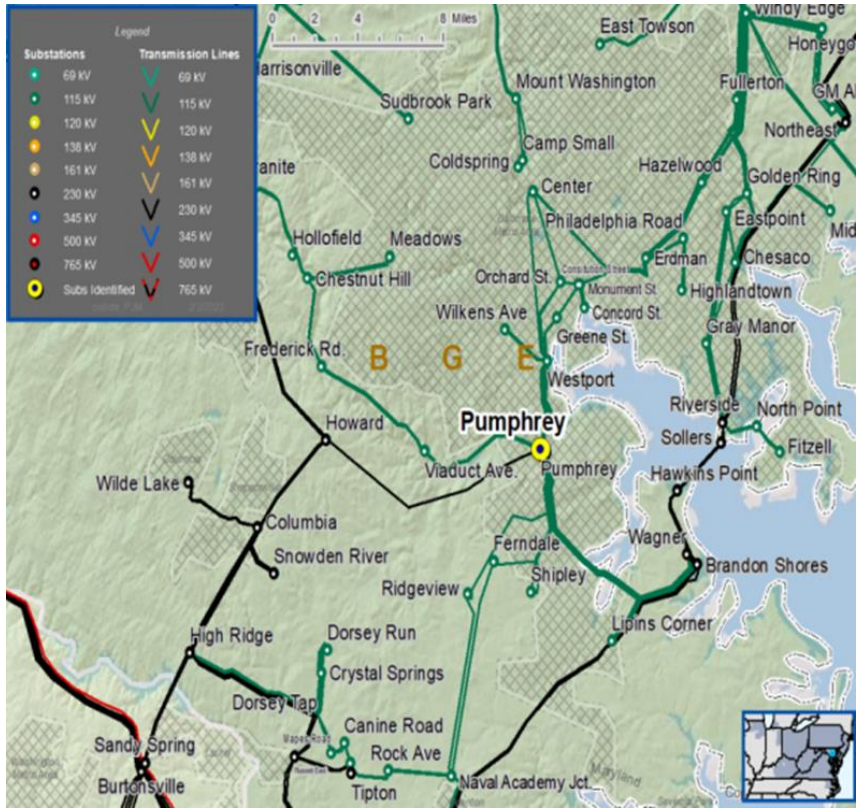
Selected Solution:
Replace Pumphrey circuit breaker B30

Estimated Cost: $0.7M

Projected In-Service: 7/13/2023

Supplemental Project ID: s2960

Project Status: In-service



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

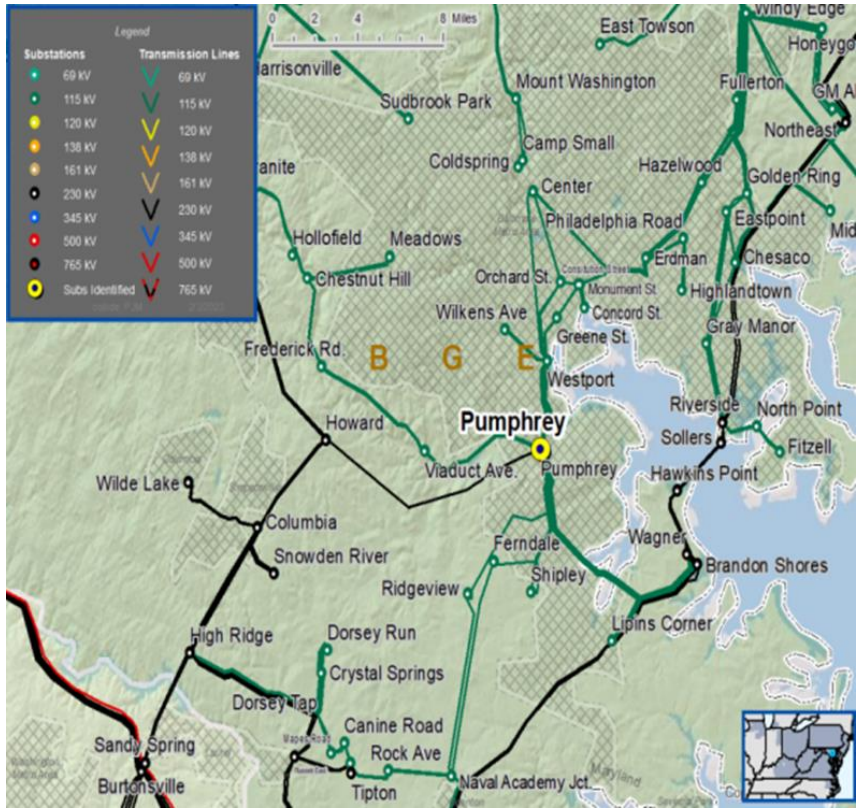
Previously Presented:
Need 4/20/2023
Solution 5/18/2023

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, cables, etc.

Problem Statement:

- Pumphrey 115kV circuit breaker #B31 installed in 1975 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

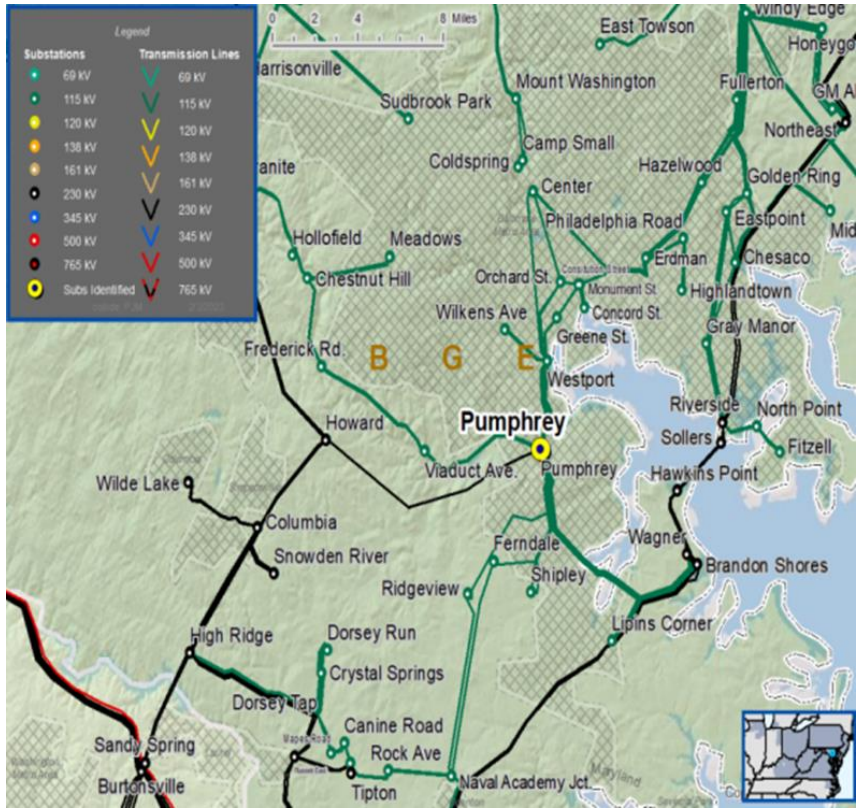
Selected Solution:
Replace Pumphrey circuit breaker B31

Estimated Cost: $0.7M

Projected In-Service: 11/9/2023

Supplemental Project ID: s2961

Project Status: Engineering



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-006

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

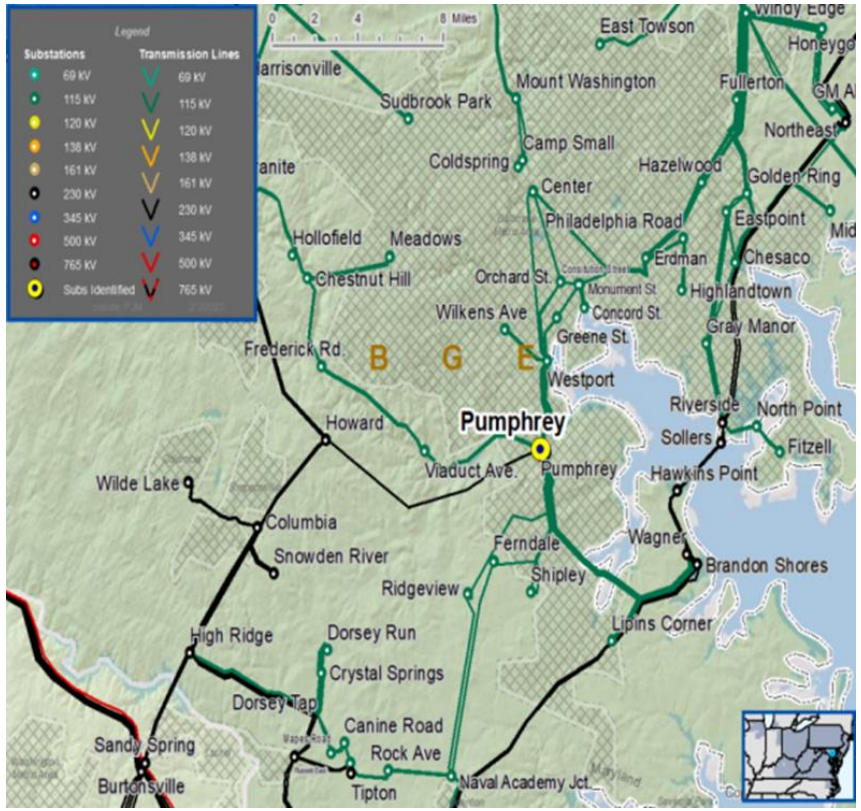
Previously Presented:
Need 4/20/2023
Solution 5/18/2023

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, cables, etc.

Problem Statement:

- Pumphrey 115kV circuit breaker #B32 installed in 1975 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-006

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

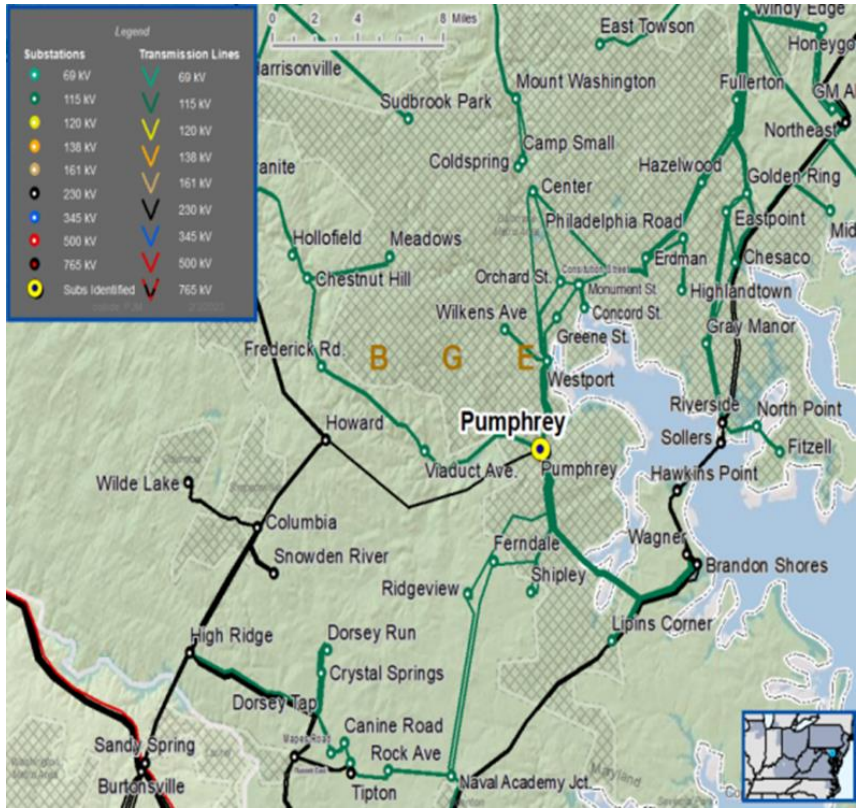
Selected Solution:
Replace Pumphrey circuit breaker B32

Estimated Cost: $0.7M

Projected In-Service: 12/14/2023

Supplemental Project ID: s2962

Project Status: Engineering



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-007

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

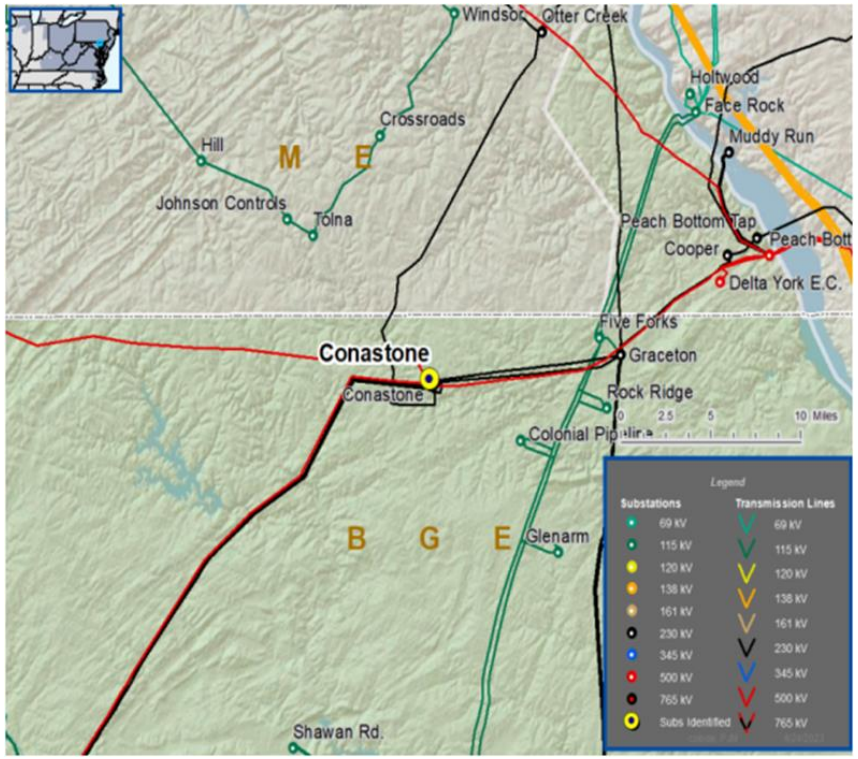
Previously Presented:
Need 5/9/2023
Solution 6/6/2023

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, cables, etc.

Problem Statement:

- Conastone 500kV circuit breaker L installed in 1992 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-007

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

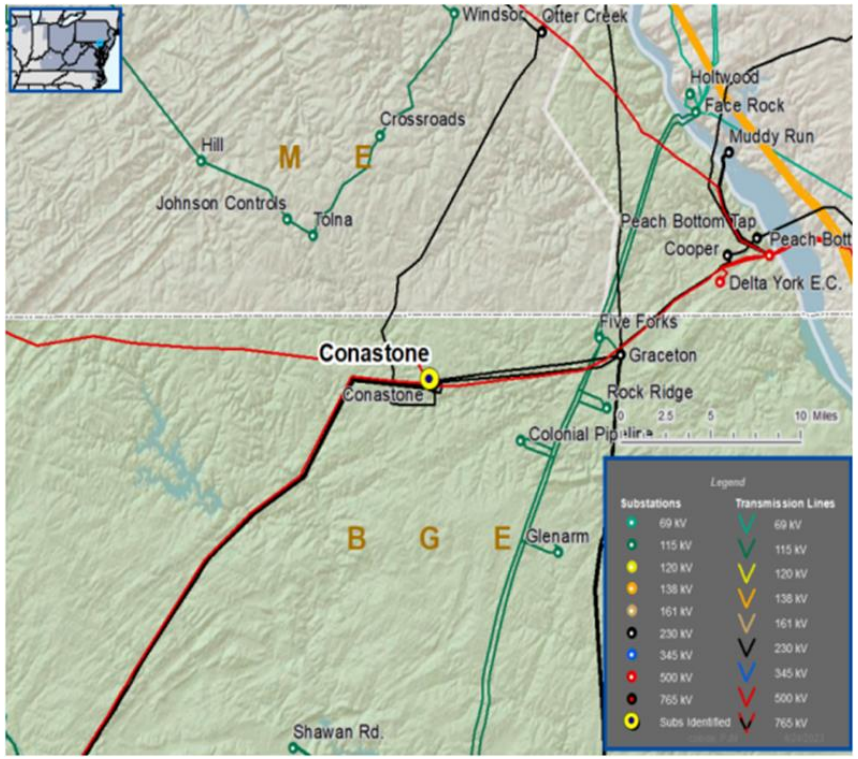
Selected Solution:
Replace Conastone circuit breaker L

Estimated Cost: $2.345M

Projected In-Service: 11/14/2023

Supplemental Project ID: s2965

Project Status: Engineering



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-008

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

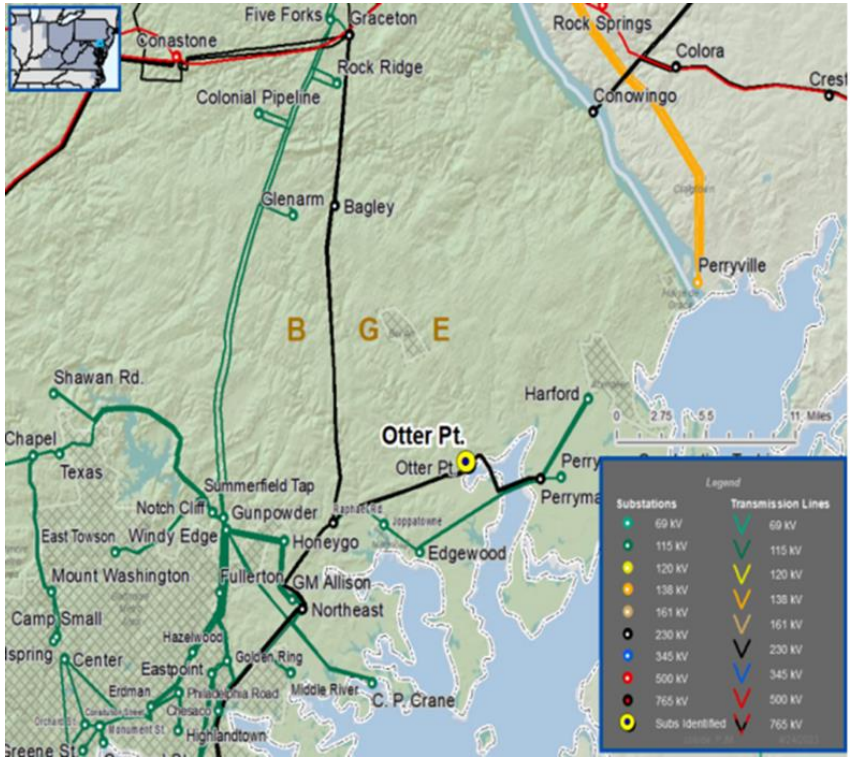
Previously Presented:
Need 5/9/2023
Solution 6/6/2023

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, cables, etc.

Problem Statement:

- Otter Point 230kV circuit breaker B50 installed in 1971 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-008

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

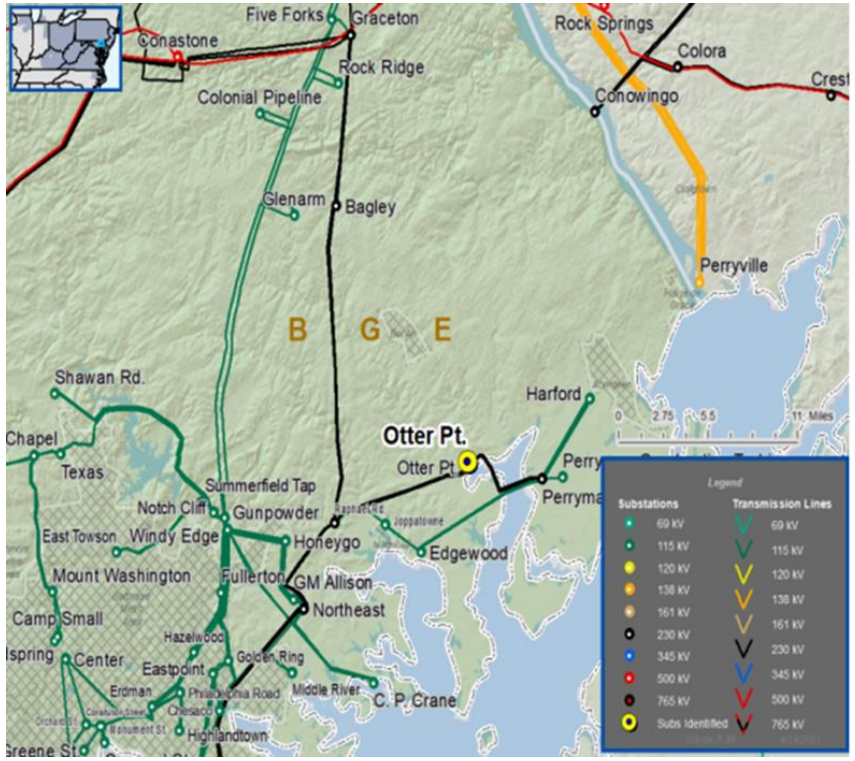
Selected Solution:
Replace Otter Point circuit breaker B50

Estimated Cost: $0.75M

Projected In-Service: 11/16/2023

Supplemental Project ID: s2966

Project Status: Engineering



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-009

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

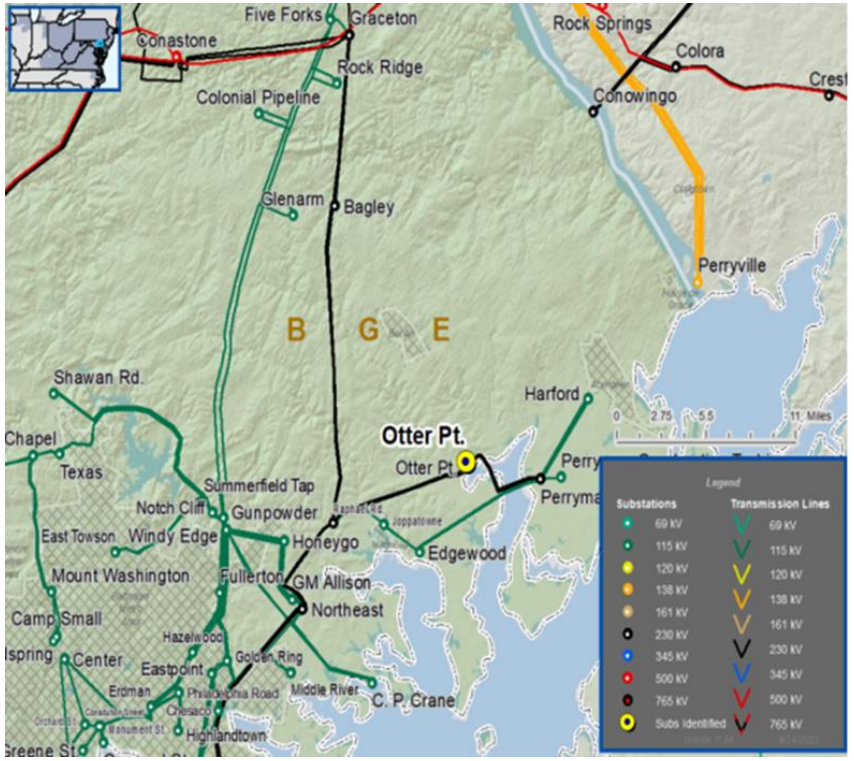
Previously Presented:
Need 5/9/2023
Solution 6/6/2023

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, cables, etc.

Problem Statement:

- Otter Point 230kV circuit breaker B51 installed in 1971 is in deteriorating condition and has elevated maintenance costs



BGE Transmission Zone M-3 Process

Need Number: BGE-2023-009

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 9/19/2023

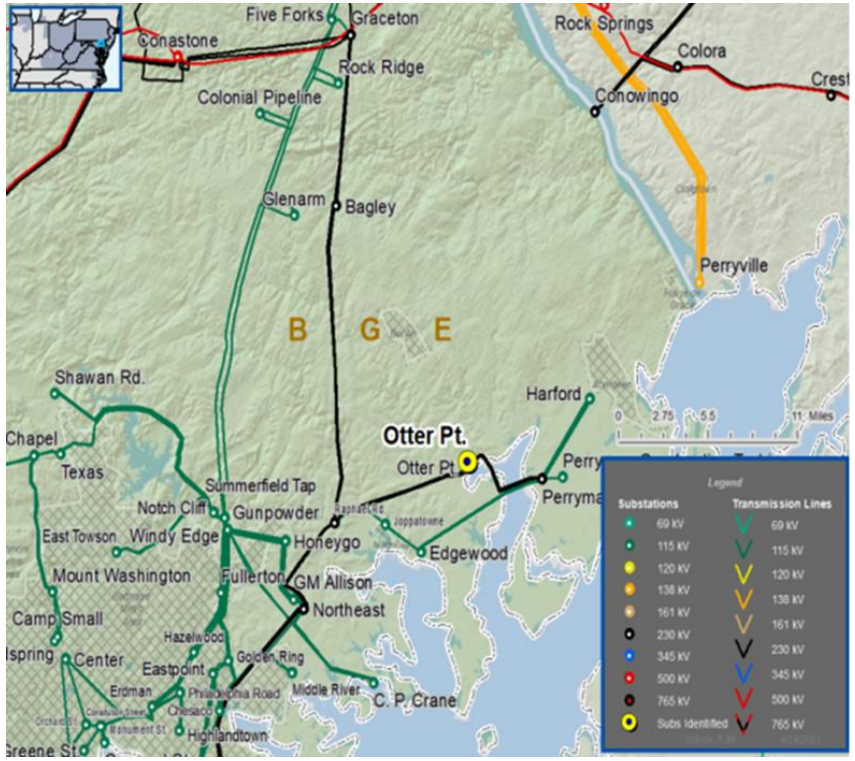
Selected Solution:
Replace Otter Point circuit breaker B51

Estimated Cost: $0.75M

Projected In-Service: 10/11/2023

Supplemental Project ID: s2967

Project Status: Construction



Revision History

3/28/2023 – V1 – Posted Local plan for S2839

6/14/2023 – V2 – Added local plan for S2893, 2908, 2909

9/19/2023 – V3 – Added local plan for s2959,s2960,s2961,s2965,s2966,s2967