SRRTEP Committee
BGE Supplemental Project

February 13, 2025

Solutions

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B4

Need Number: BGE-2024-002

Process Stage: Solution Meeting 2/13/2025

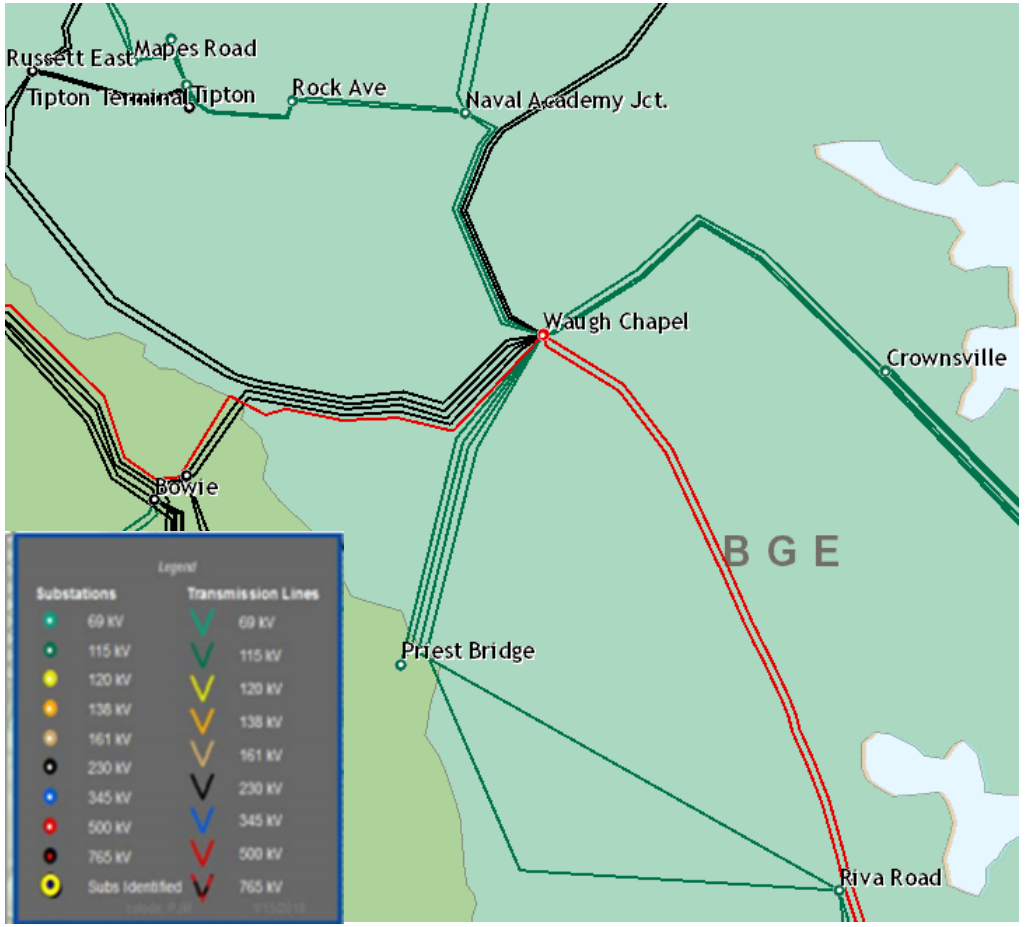
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Waugh Chapel 115kV circuit breaker #B4 installed in 1996 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B4

Need Number: BGE-2024-002

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Waugh Chapel circuit breaker B4

The estimated cost of the project is $0.7M

Existing rating 2500A, 63kA

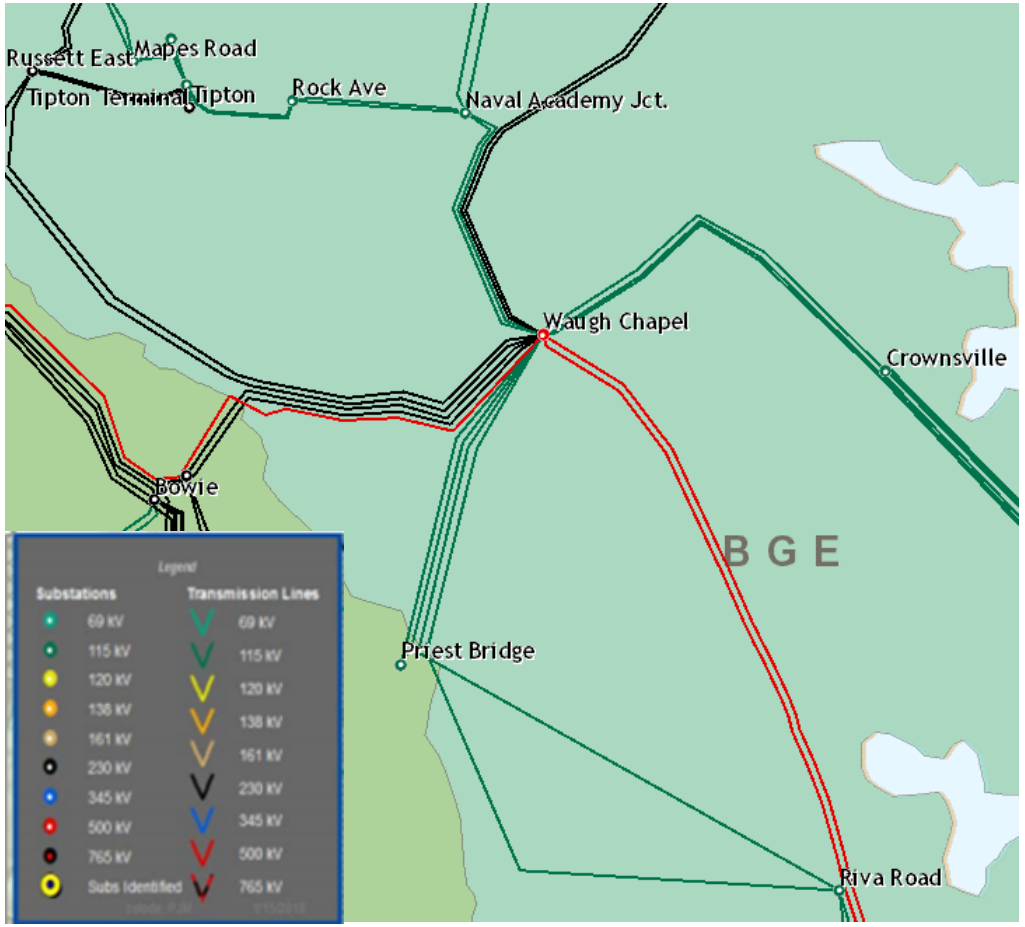
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 4/10/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B7

Need Number: BGE-2024-003

Process Stage: Solution Meeting 2/13/2025

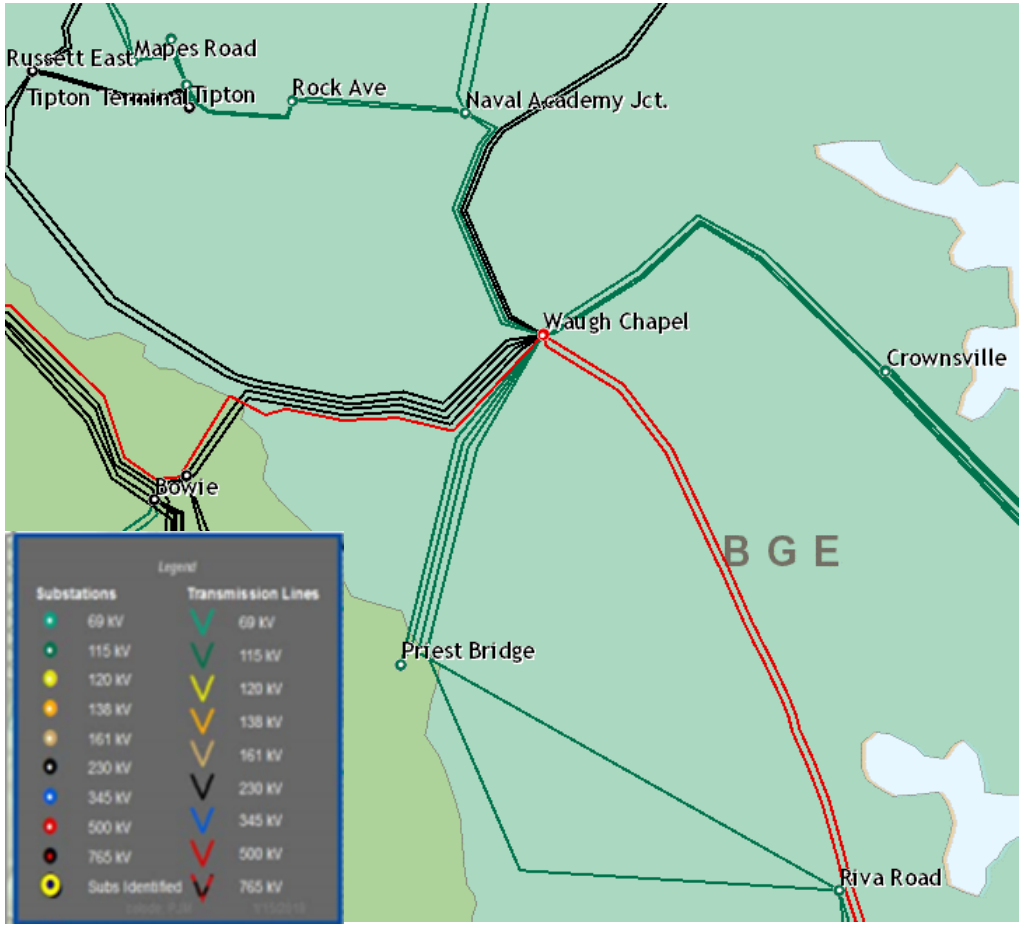
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Waugh Chapel 115kV circuit breaker #B7 installed in 1996 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B7

Need Number: BGE-2024-003

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Waugh Chapel circuit breaker B7

The estimated cost of the project is $0.7M

Existing rating 2500A, 63kA

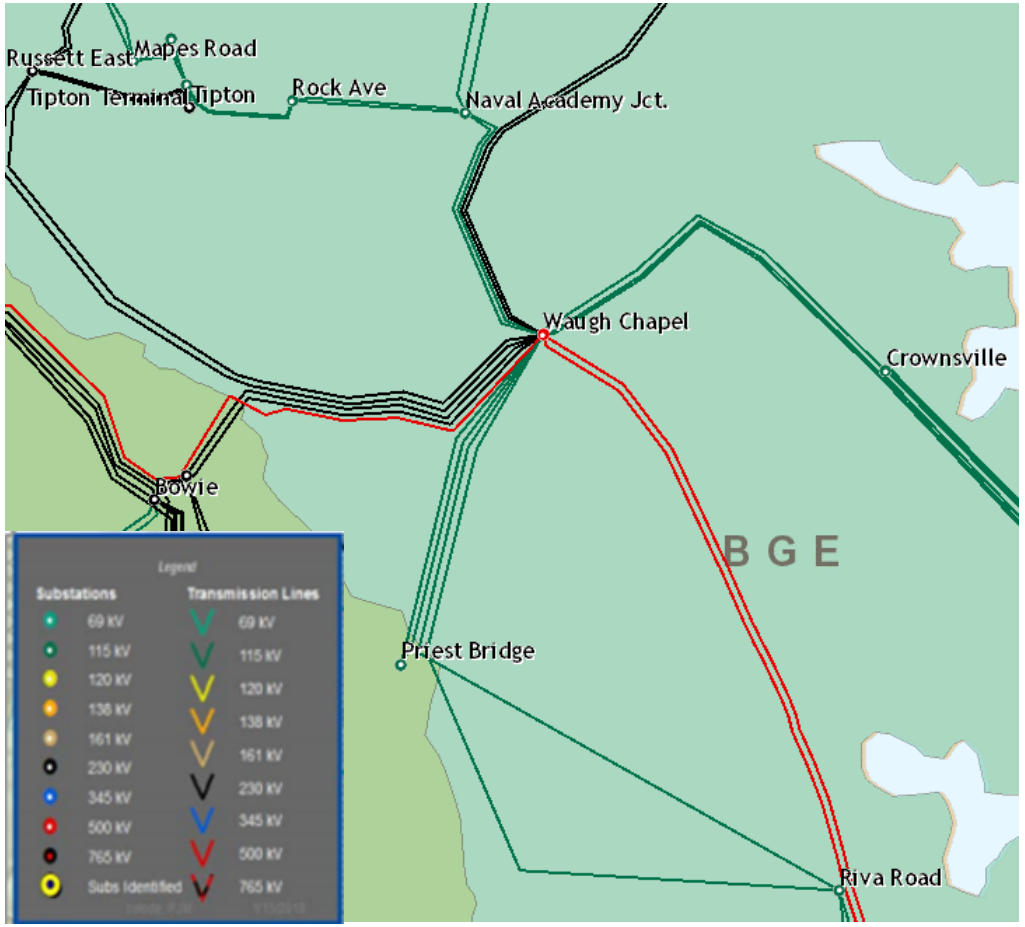
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 10/9/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B10

Need Number: BGE-2024-004

Process Stage: Solution Meeting 2/13/2025

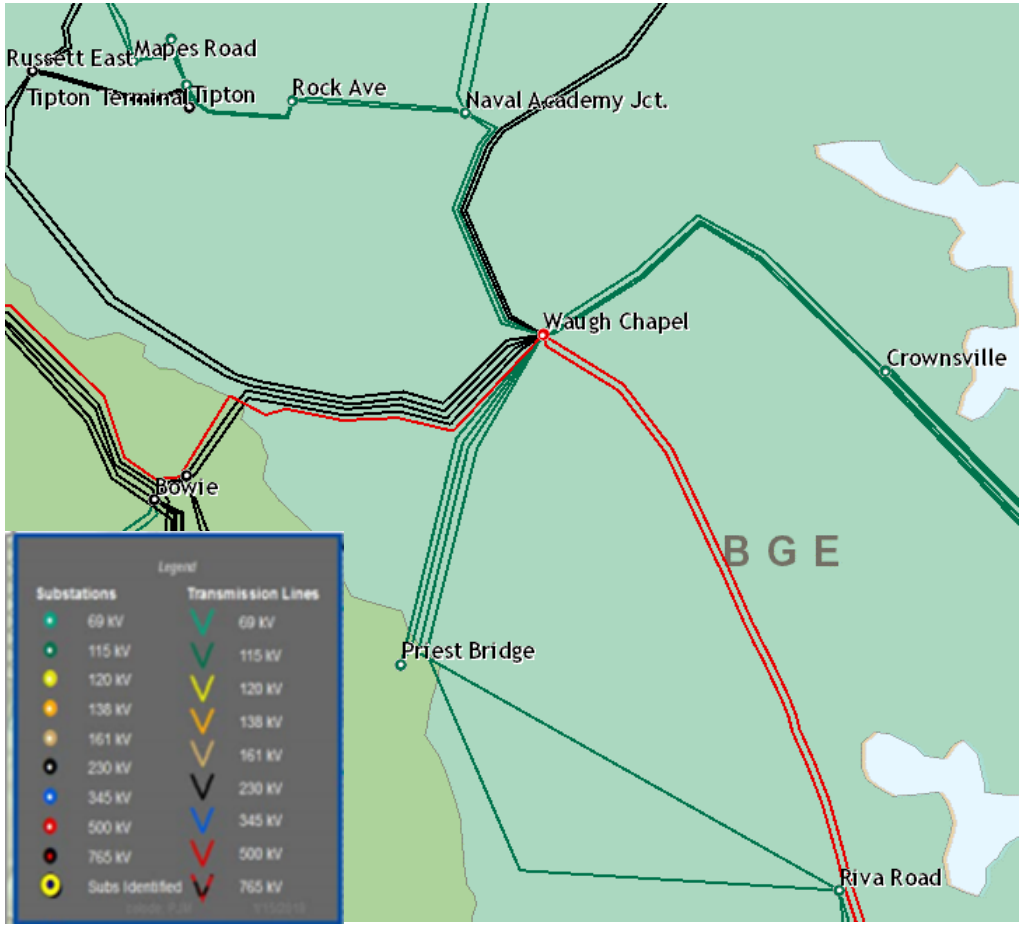
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Waugh Chapel 115kV circuit breaker #B10 installed in 1996 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B10

Need Number: BGE-2024-004

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Waugh Chapel circuit breaker B10

The estimated cost of the project is $0.7M

Existing rating 2500A, 63kA

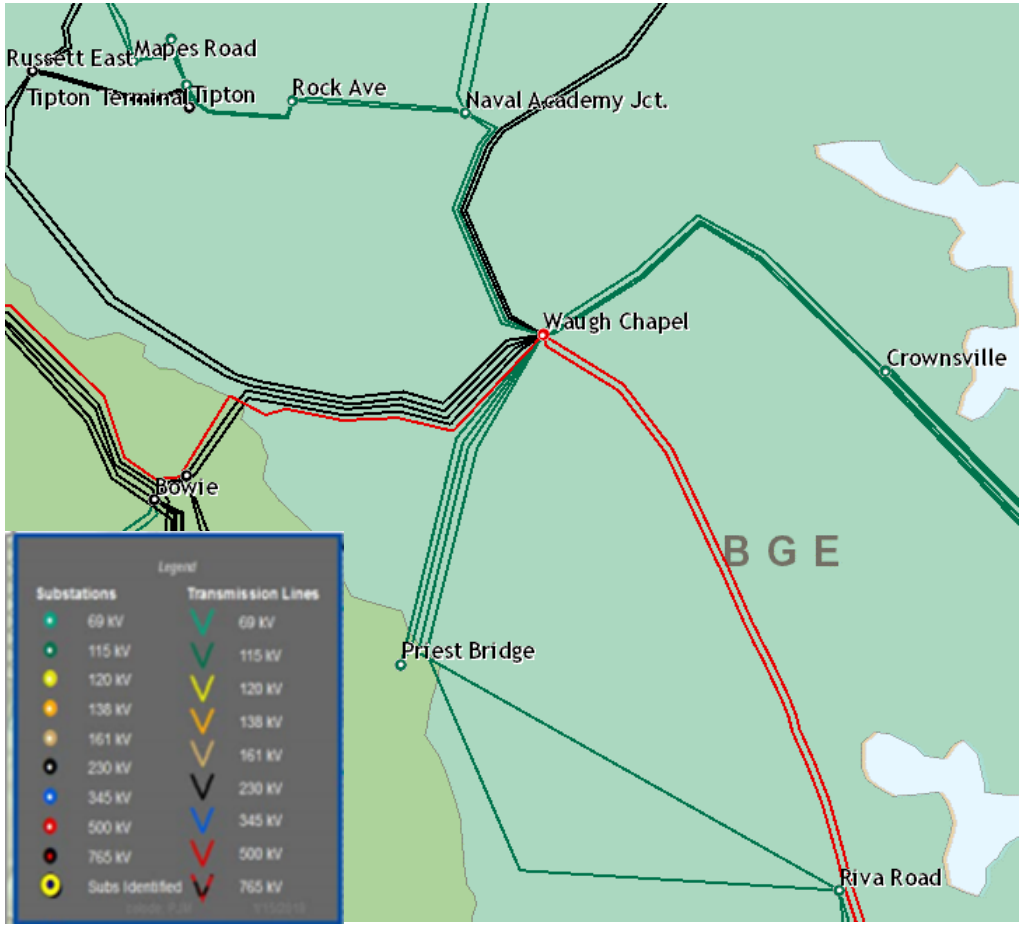
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 5/15/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B12

Need Number: BGE-2024-005

Process Stage: Solution Meeting 2/13/2025

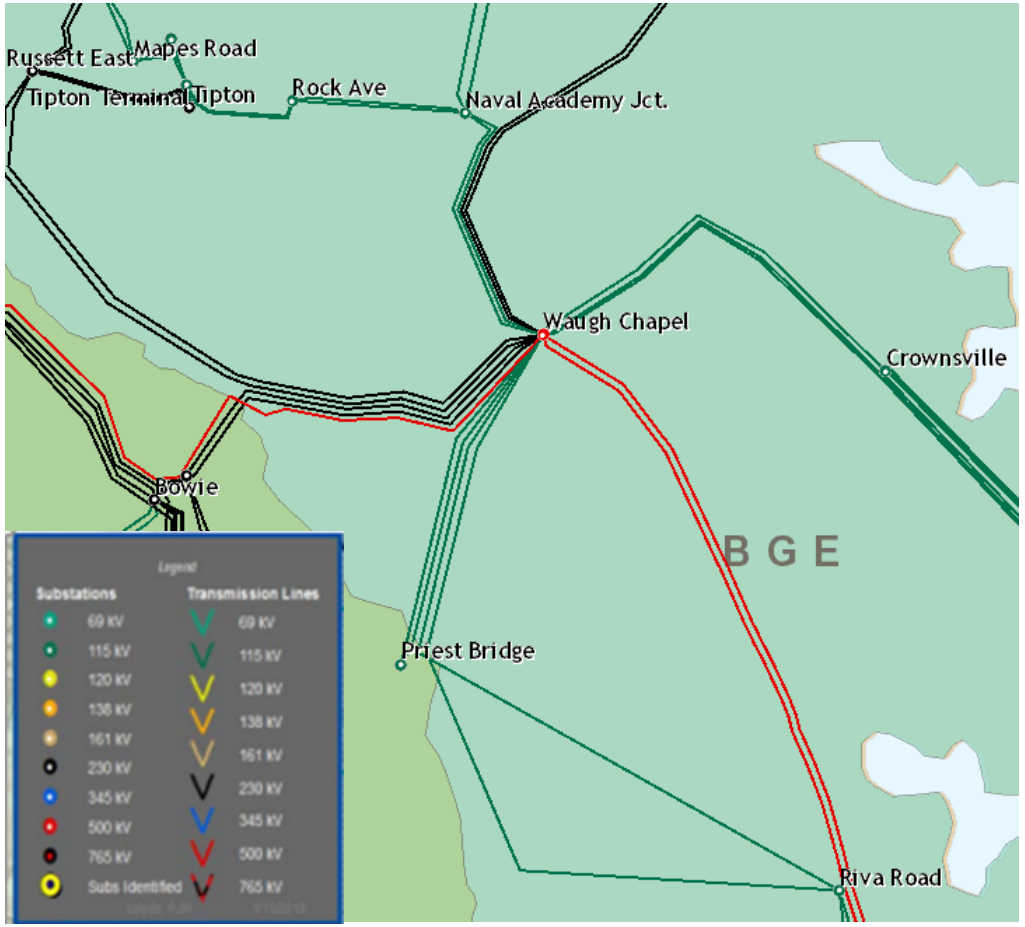
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Waugh Chapel 115kV circuit breaker #B12 installed in 1996 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Waugh Chapel Circuit Breaker B12

Need Number: BGE-2024-005

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Waugh Chapel circuit breaker B12

The estimated cost of the project is $0.7M

Existing rating 2500A, 63kA

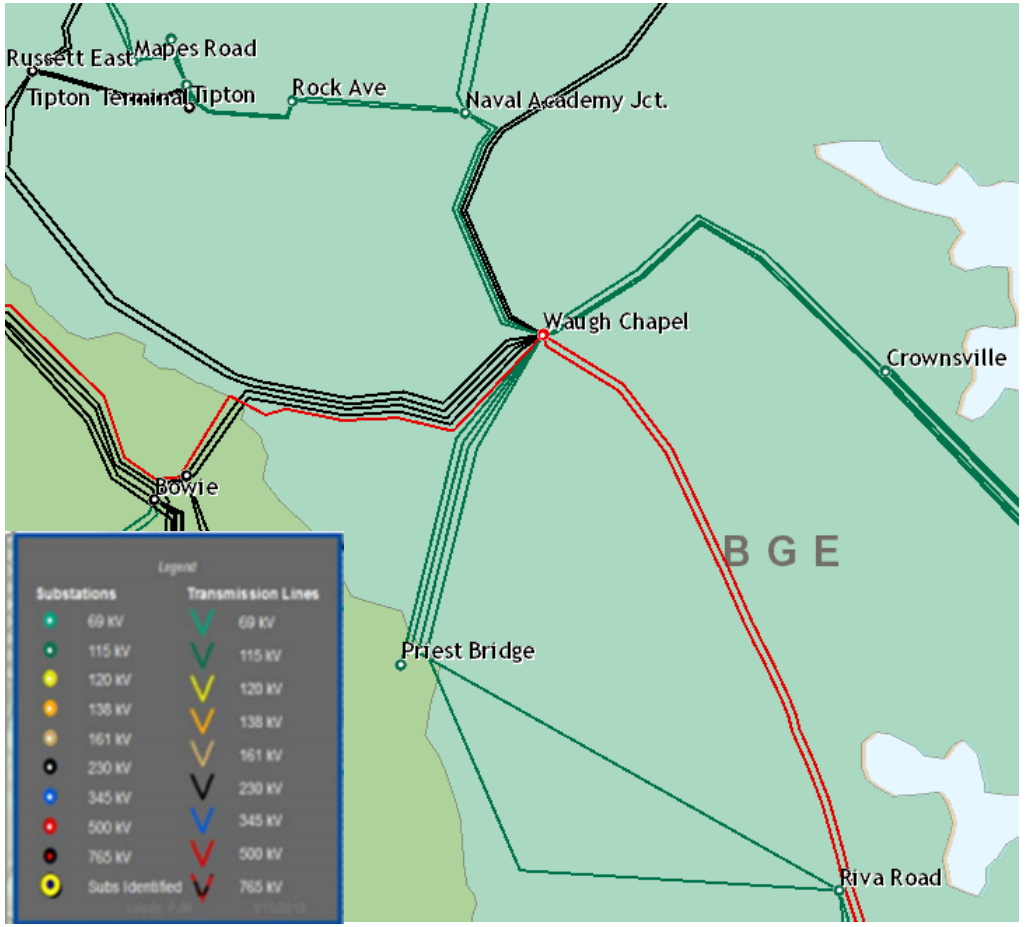
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 11/13/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B3

Need Number: BGE-2024-006

Process Stage: Solution Meeting 2/13/2025

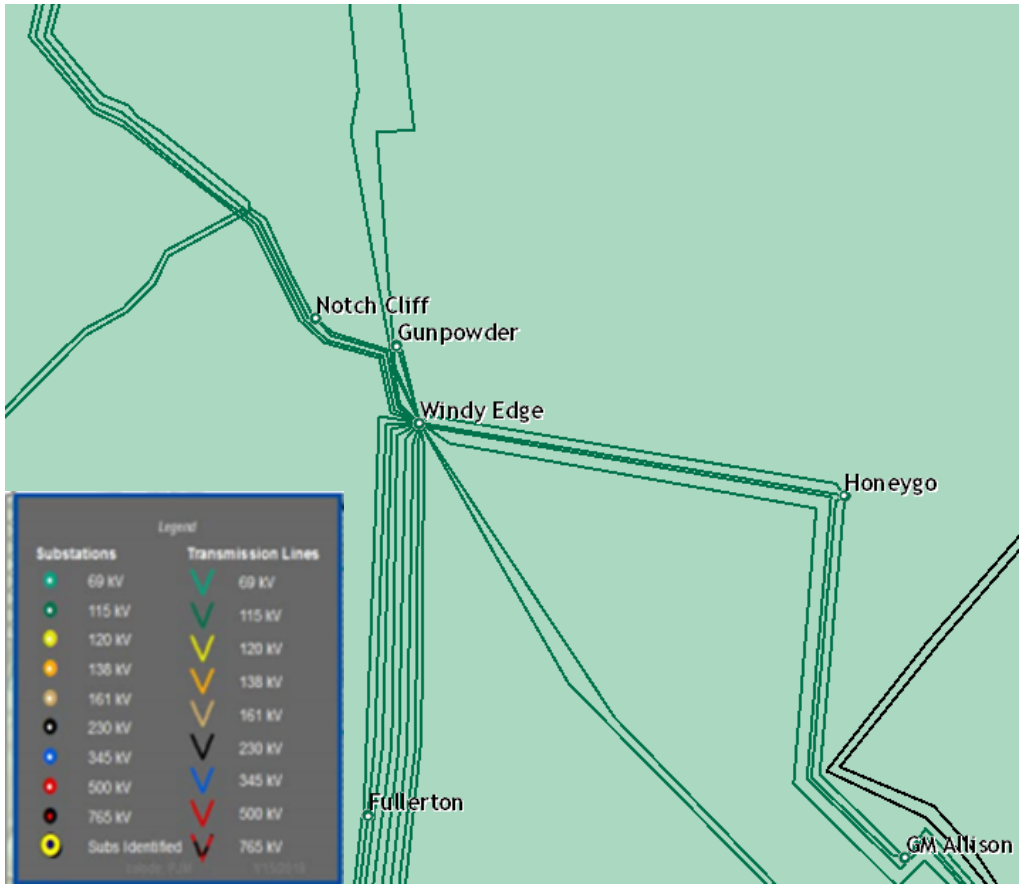
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Windy Edge 115kV circuit breaker #B3 installed in 1971 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B3

Need Number: BGE-2024-006

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B3

The estimated cost of the project is $0.7M

Existing rating 2000A, 50kA

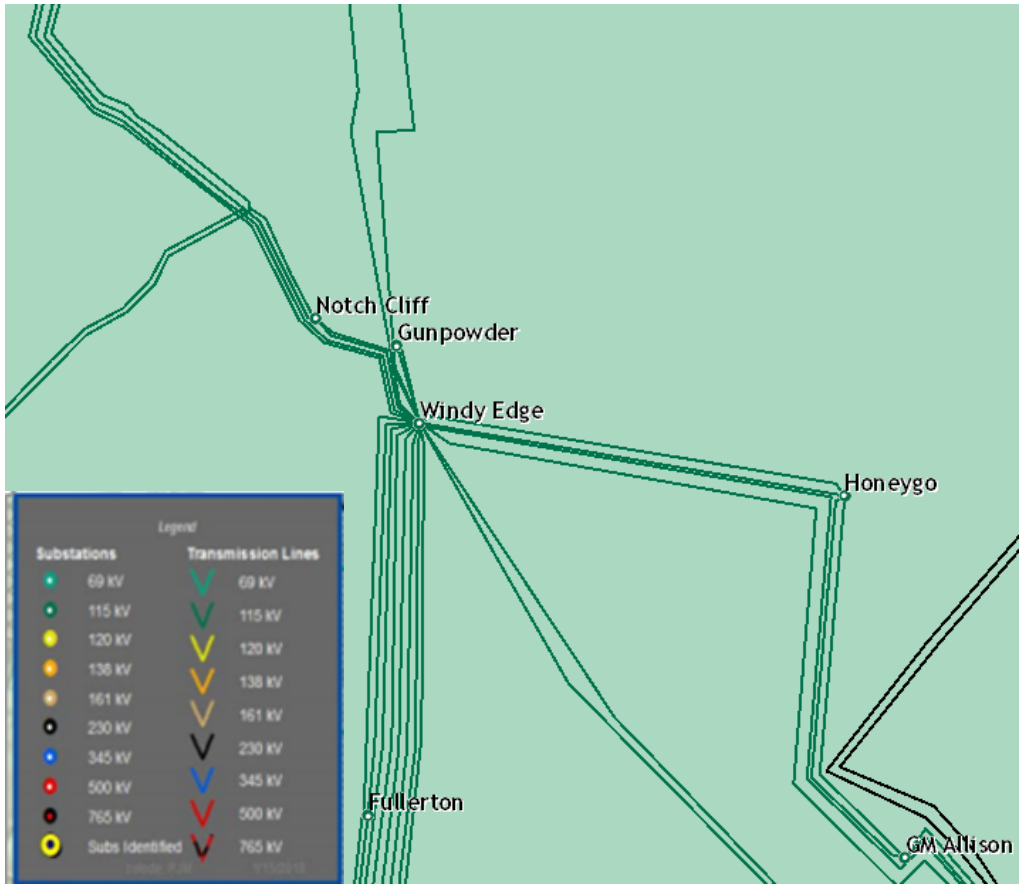
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 4/3/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B4

Need Number: BGE-2024-007

Process Stage: Solution Meeting 2/13/2025

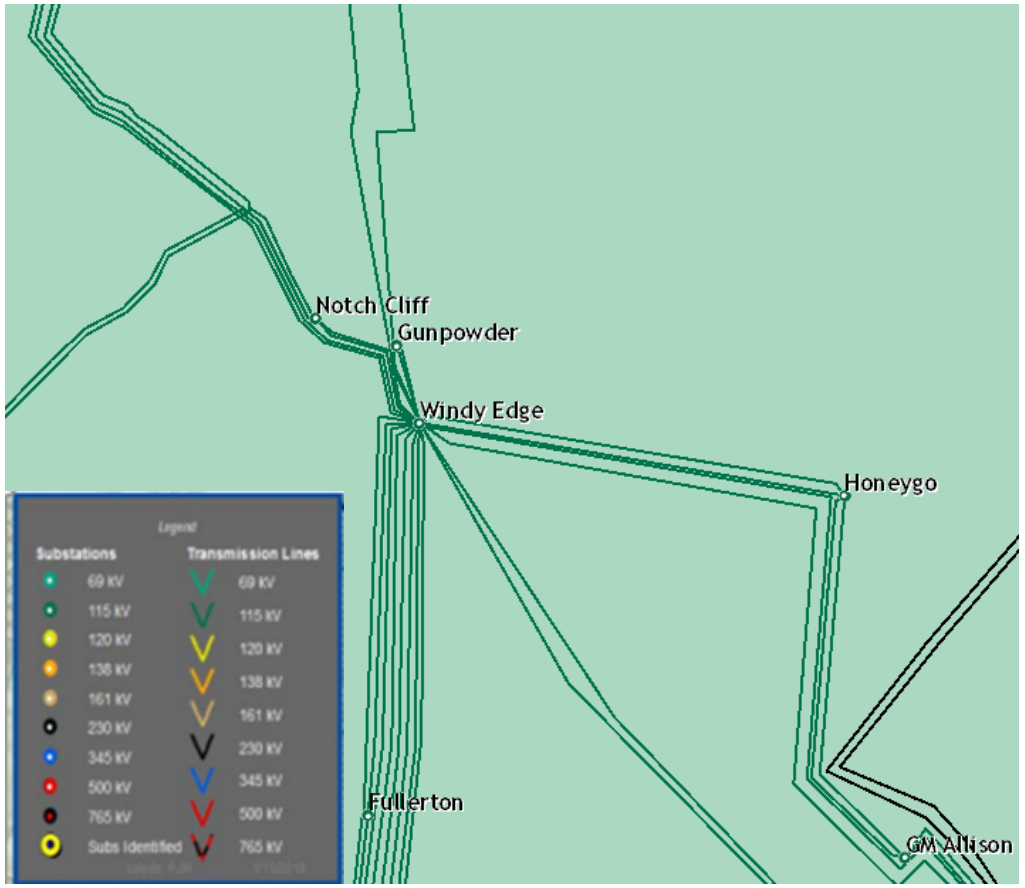
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Windy Edge 115kV circuit breaker #B4 installed in 1971 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B4

Need Number: BGE-2024-007

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B4

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

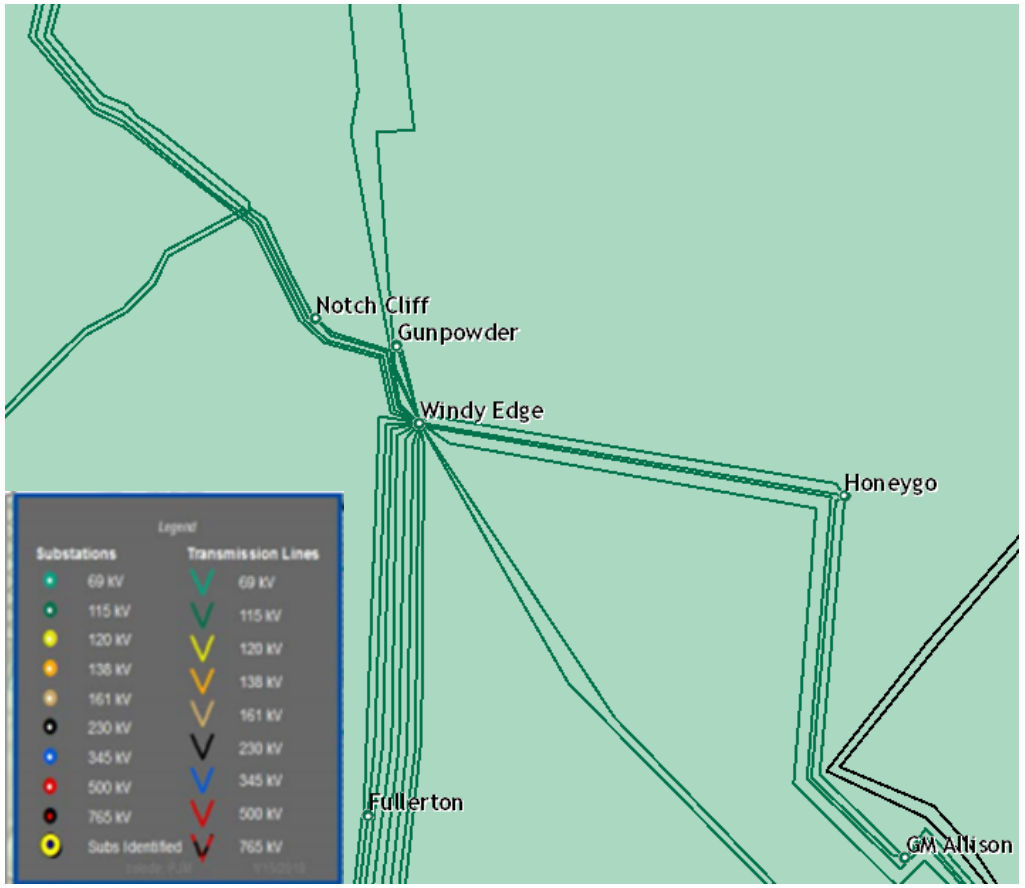
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 5/8/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B24

Need Number: BGE-2024-008

Process Stage: Solution Meeting 2/13/2025

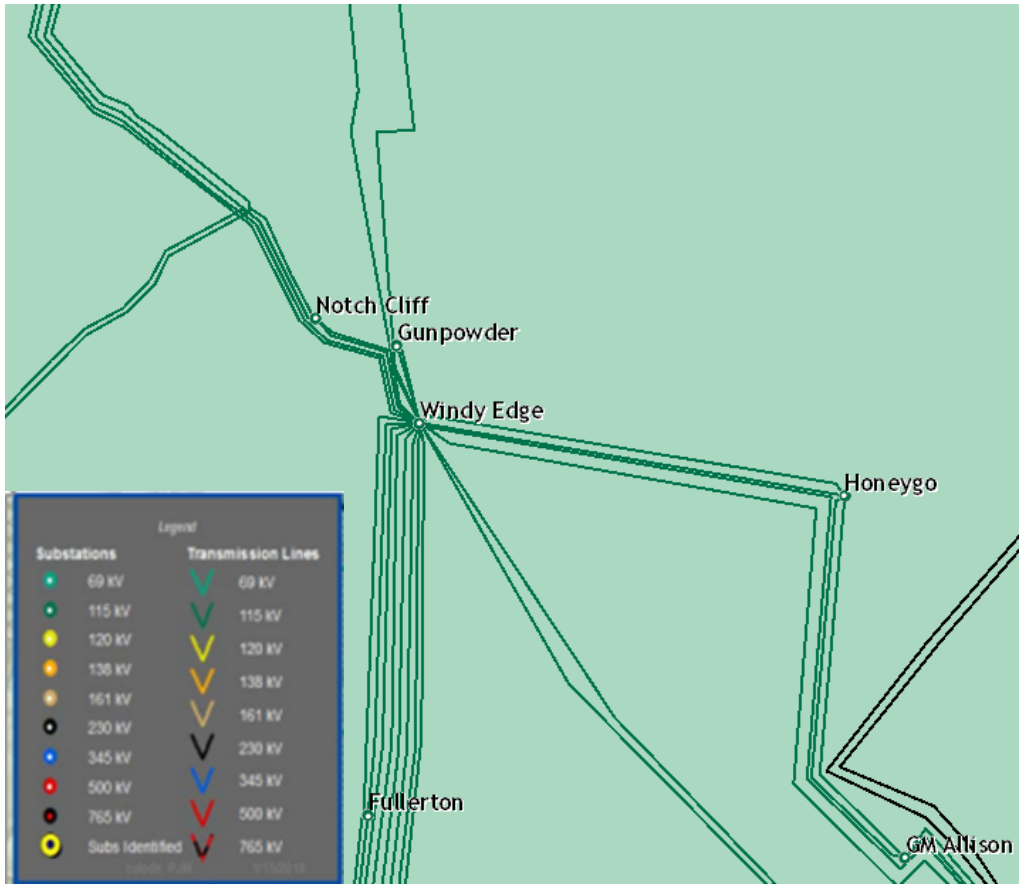
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Windy Edge 115kV circuit breaker #B24 installed in 1971 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B24

Need Number: BGE-2024-008

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B24

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

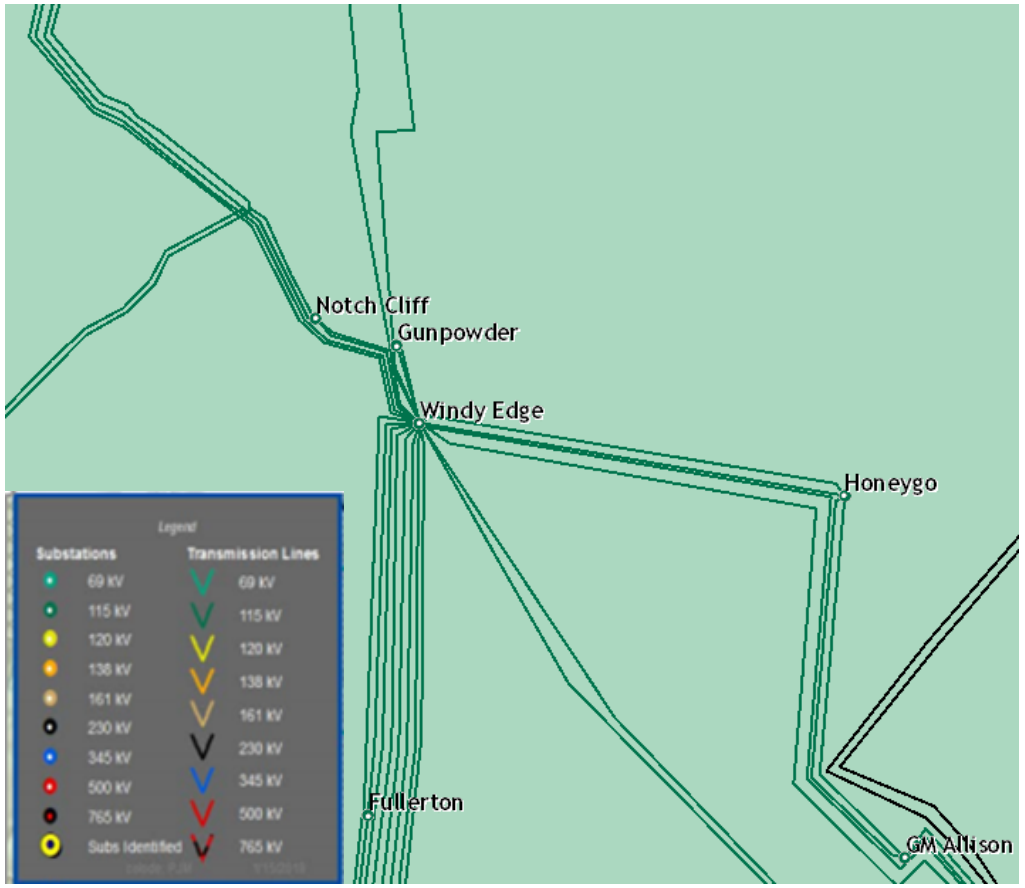
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 12/11/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B28

Need Number: BGE-2024-009

Process Stage: Solution Meeting 2/13/2025

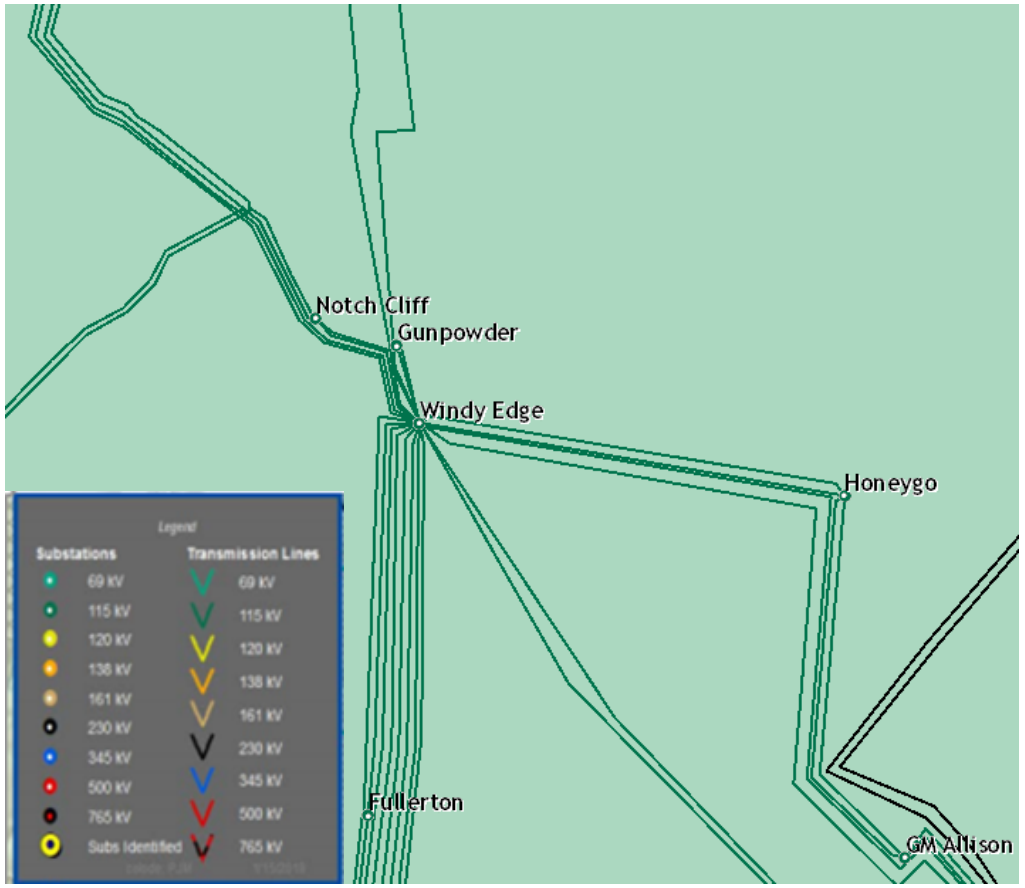
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Windy Edge 115kV circuit breaker #B28 installed in 1968 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B28

Need Number: BGE-2024-009

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B28

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

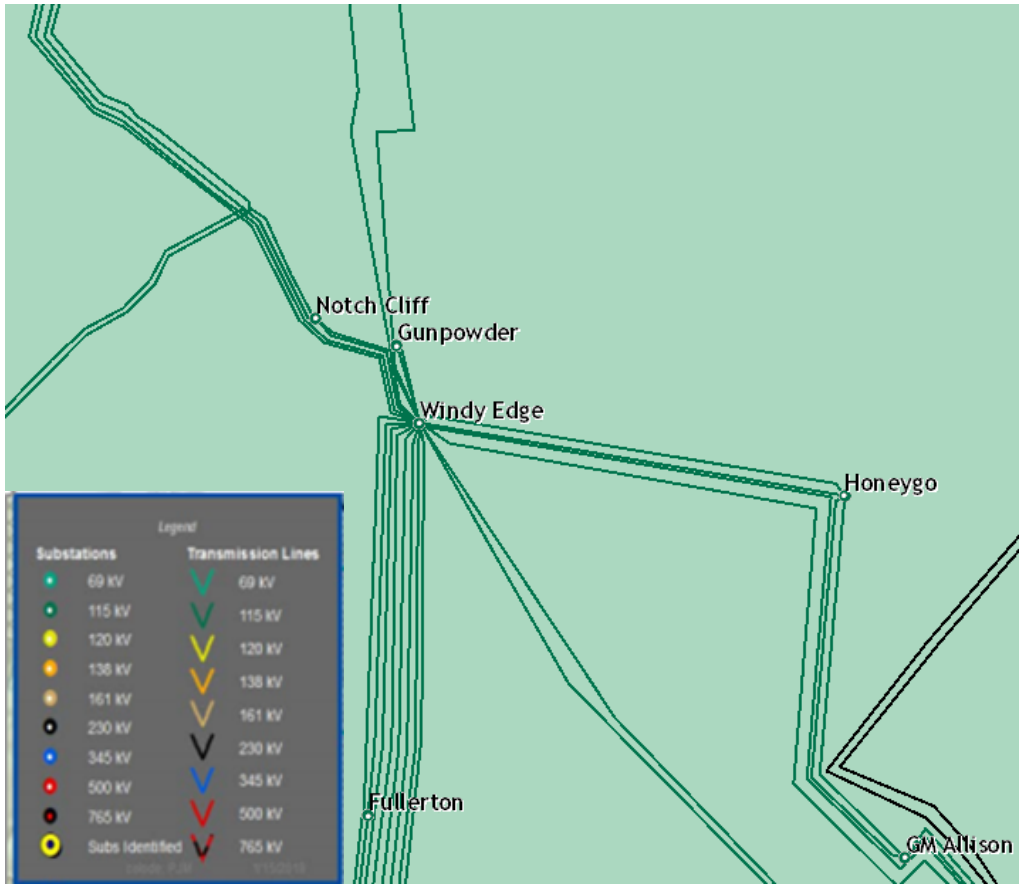
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 10/2/2025

Project Status: Engineering

Model: 2029 RTEP



BGE Transmission Zone M-3 Process
Granite Circuit Breaker B2

Need Number: BGE-2024-010

Process Stage: Solution Meeting 2/13/2025

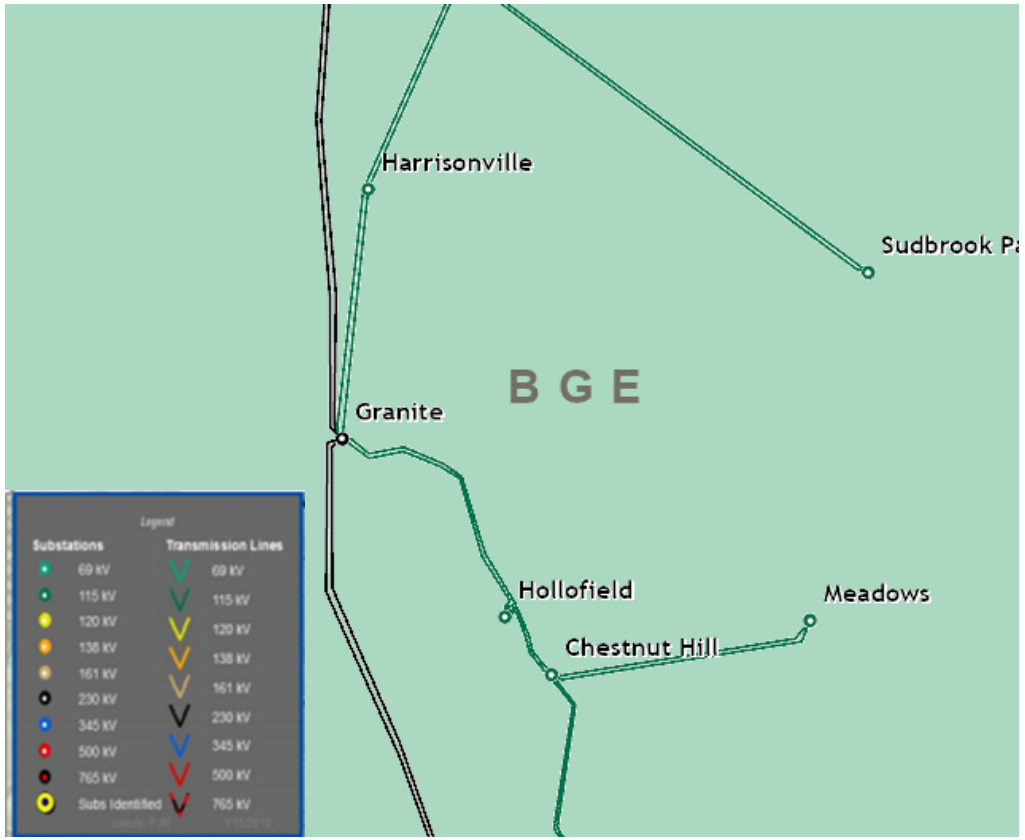
Previously Presented: Need Meeting 12/12/2024

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, cables, etc.

Problem Statement:

- Granite 115kV circuit breaker #B2 installed in 1975 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



BGE Transmission Zone M-3 Process
Granite Circuit Breaker B2

Need Number: BGE-2024-010

Process Stage: Solution Meeting – 2/13/2025

Proposed Solution:

Replace Granite circuit breaker B2

The estimated cost of the project is $0.7M

Existing rating 3000A, 50kA

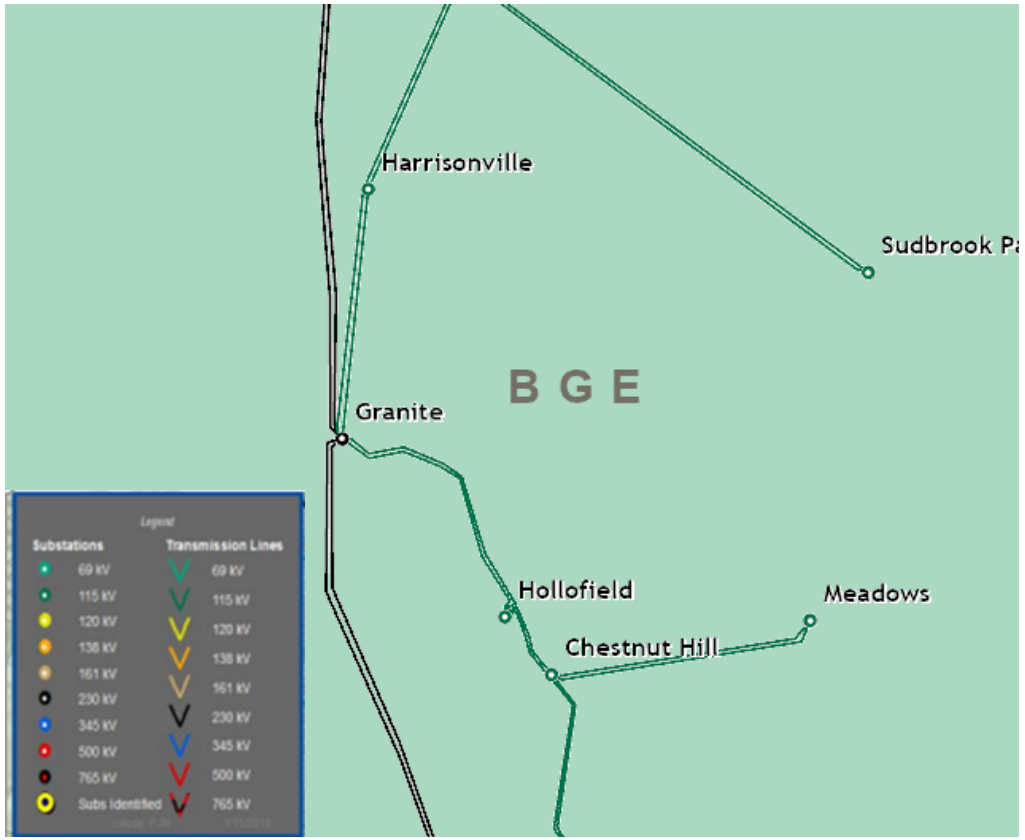
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 5/1/2025

Project Status: Engineering

Model: 2029 RTEP



Appendix

High level M-3 Meeting Schedule

Assumptions

Activity	Timing
Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
Stakeholder comments	10 days after Assumptions Meeting

Needs

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

Solutions

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

Submission of Supplemental Projects & Local Plan

Activity	Timing
Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Post selected solution(s)	Following completion of DNH analysis
Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

02/03/2025 – V1 – Original version posted to pjm.com