SRRTEP Committee
BGE Supplemental Project

November 13, 2025

Needs

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
Windy Edge Circuit Breaker B2

Need Number: BGE-2025-009

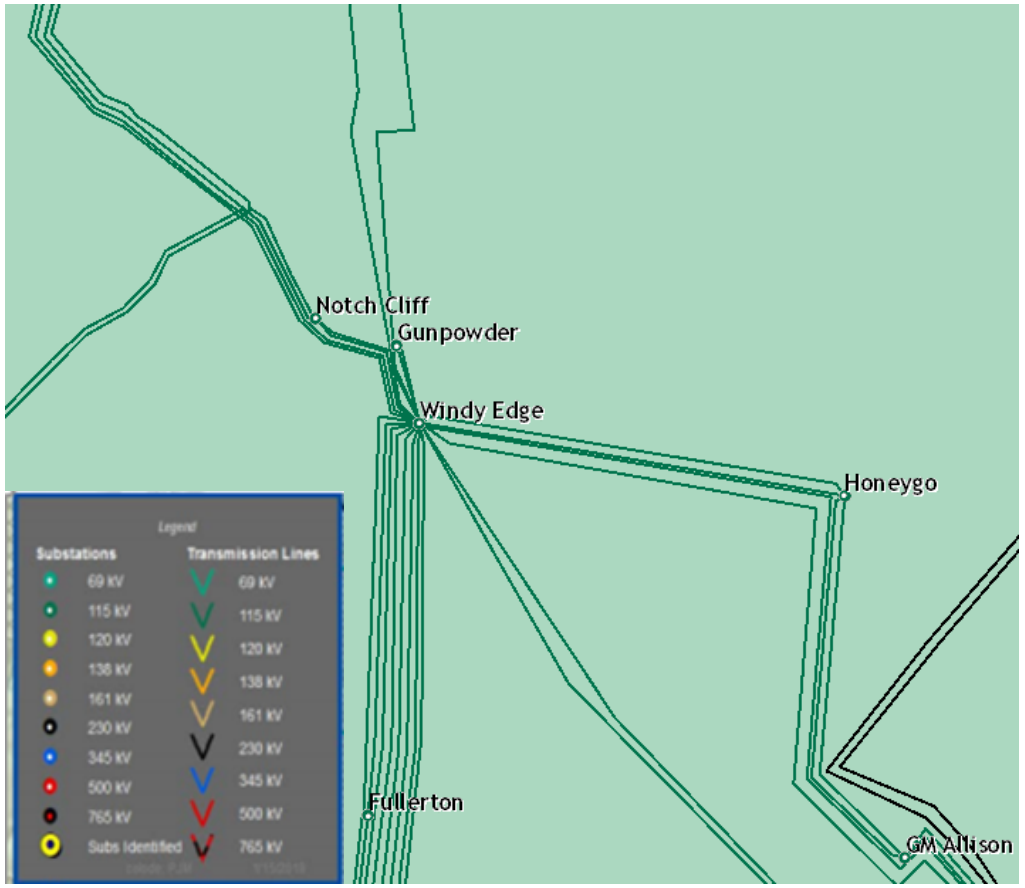
Process Stage: Need Meeting 11/13/2025

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 #B2 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 B5

Need Number: BGE-2025-010

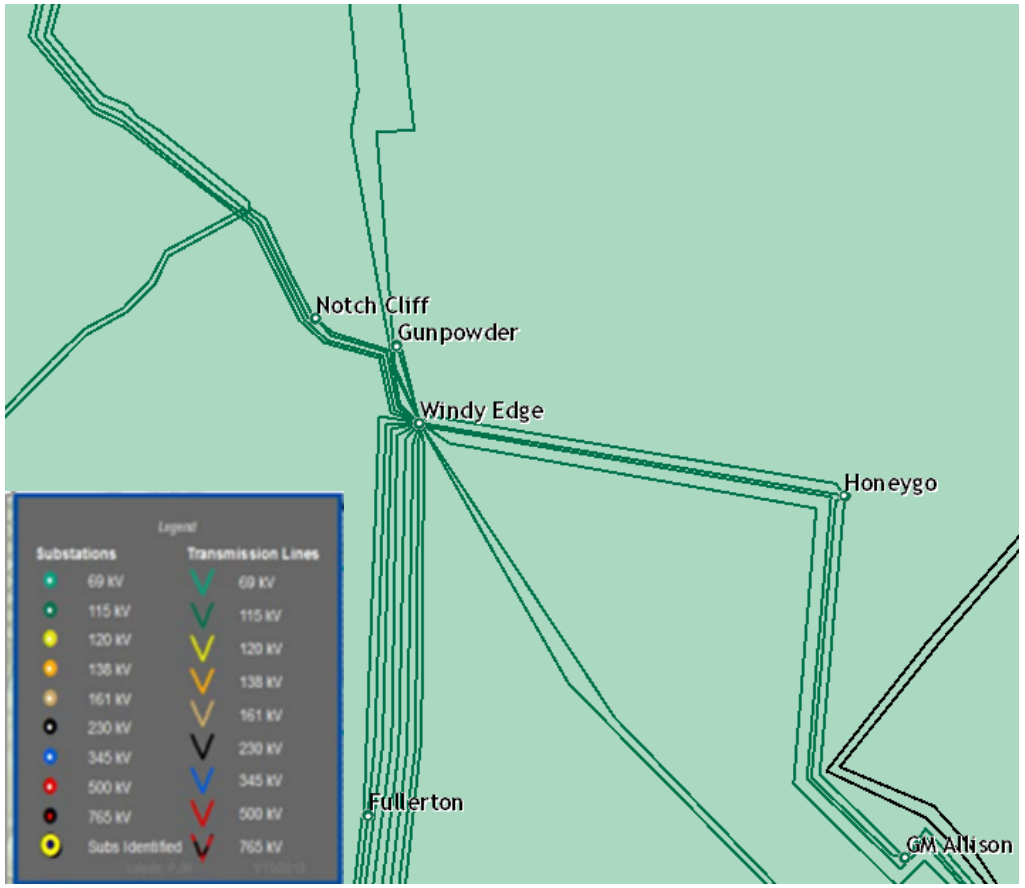
Process Stage: Need Meeting 11/13/2025

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 #B5 installed in 1970 is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs



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
Windy Edge Circuit Breaker B8

Need Number: BGE-2025-003

Process Stage: Solution Meeting 11/13/2025

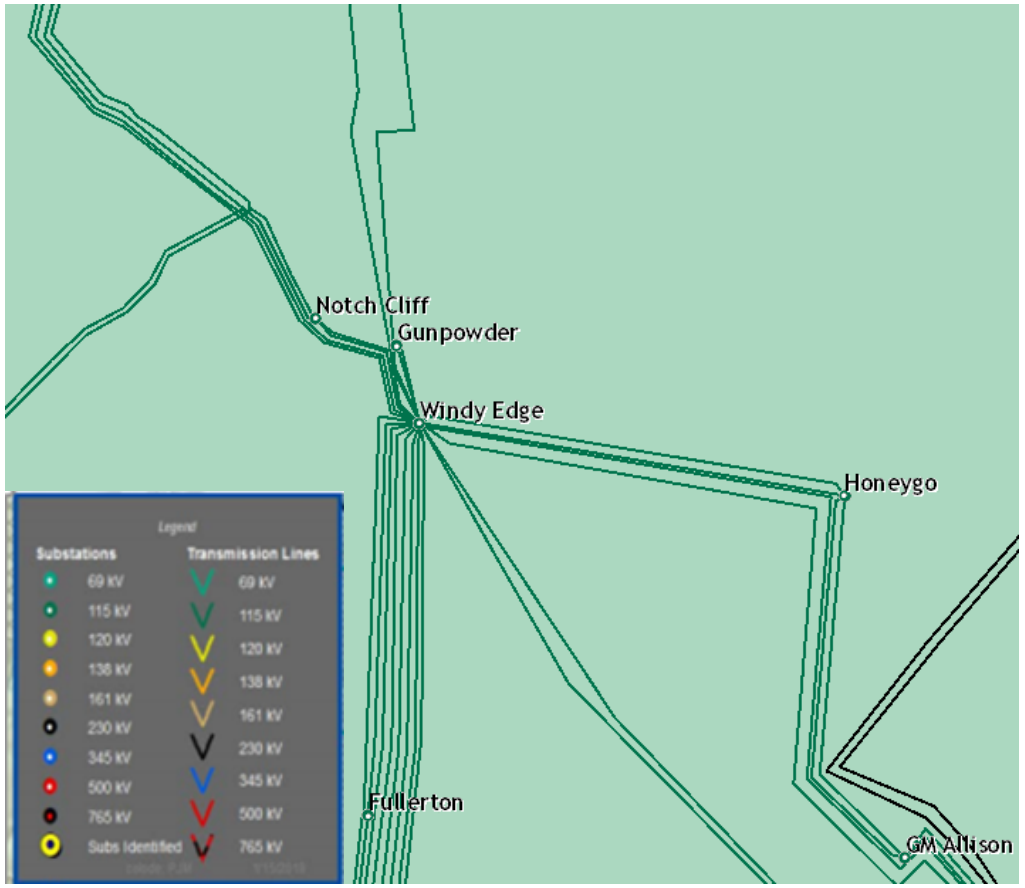
Previously Presented: Need Meeting 8/14/2025

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 #B8 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 B8

Need Number: BGE-2025-003

Process Stage: Solution Meeting – 11/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B8

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

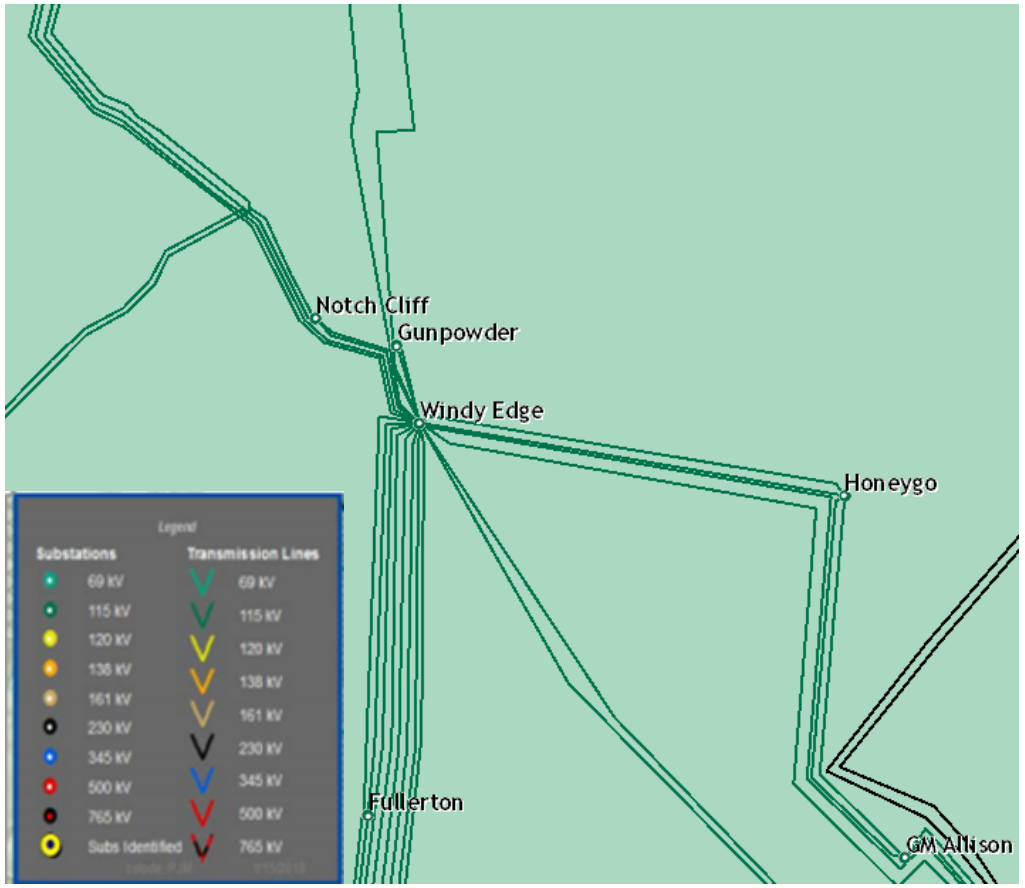
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 5/1/2028

Project Status: Engineering

Model: 2030 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B9

Need Number: BGE-2025-004

Process Stage: Solution Meeting 11/13/2025

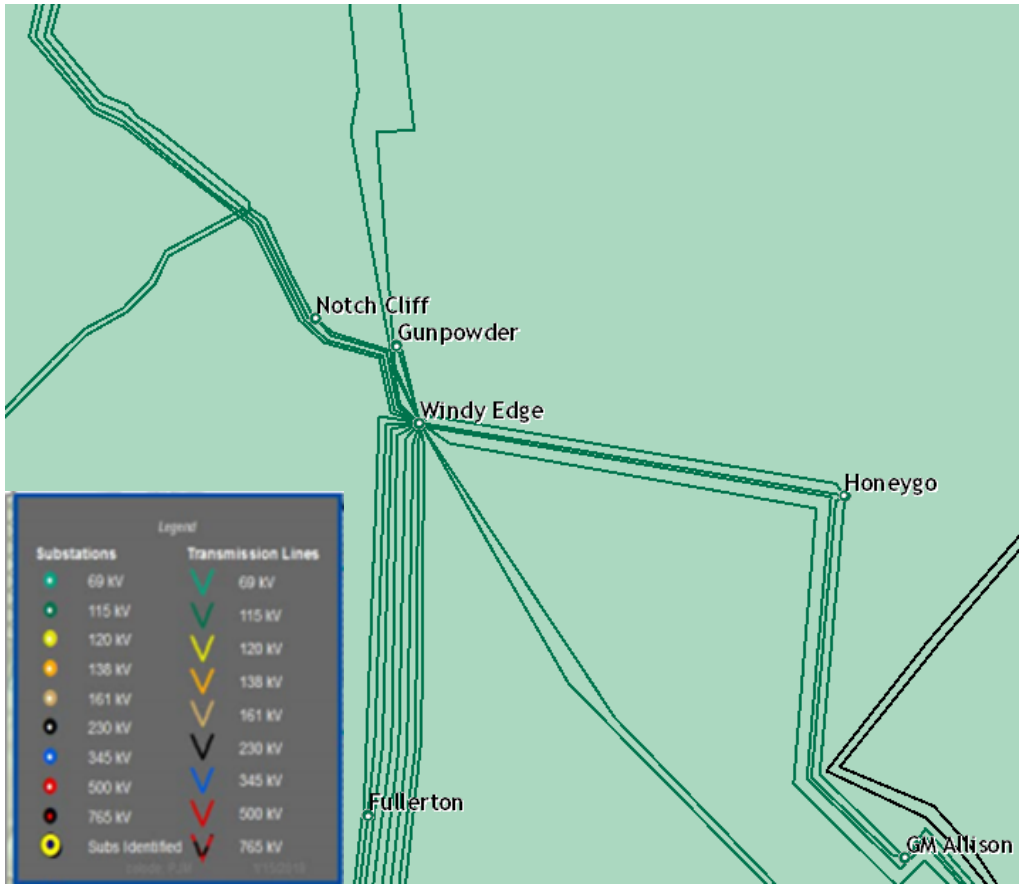
Previously Presented: Need Meeting 8/14/2025

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 #B9 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 B9

Need Number: BGE-2025-004

Process Stage: Solution Meeting – 11/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B9

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

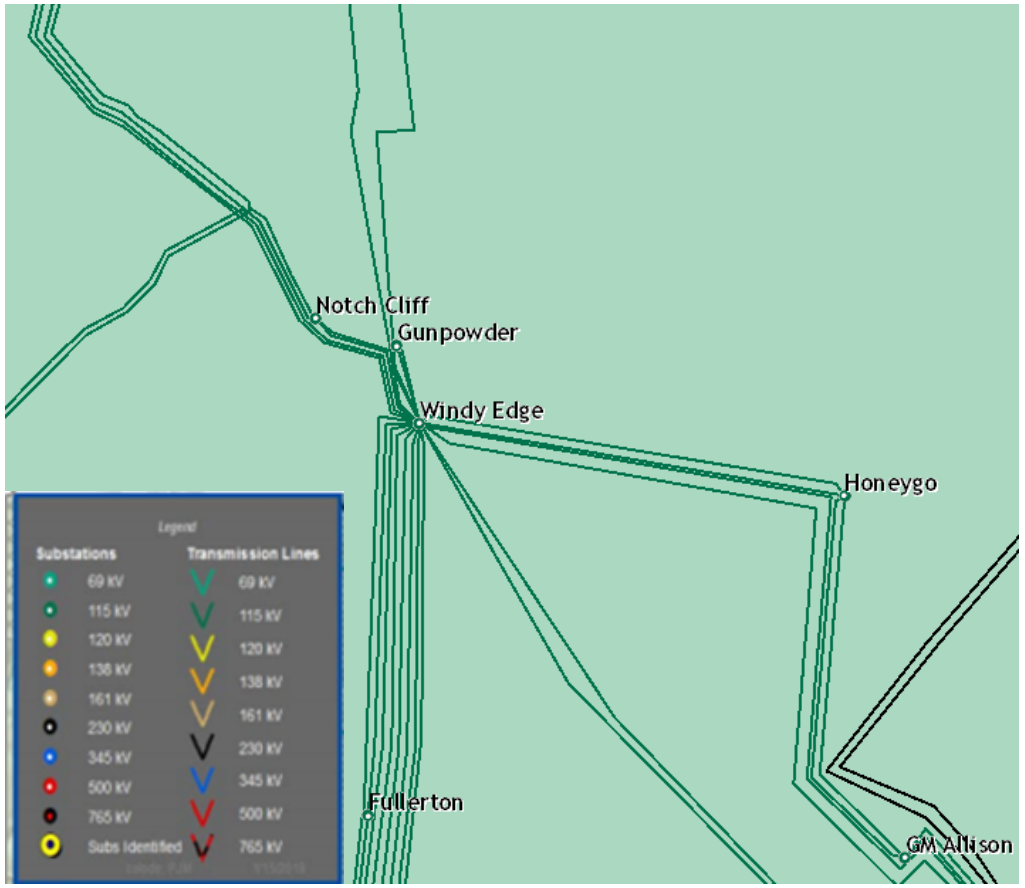
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 4/10/2026

Project Status: Engineering

Model: 2030 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B22

Need Number: BGE-2025-005

Process Stage: Solution Meeting 11/13/2025

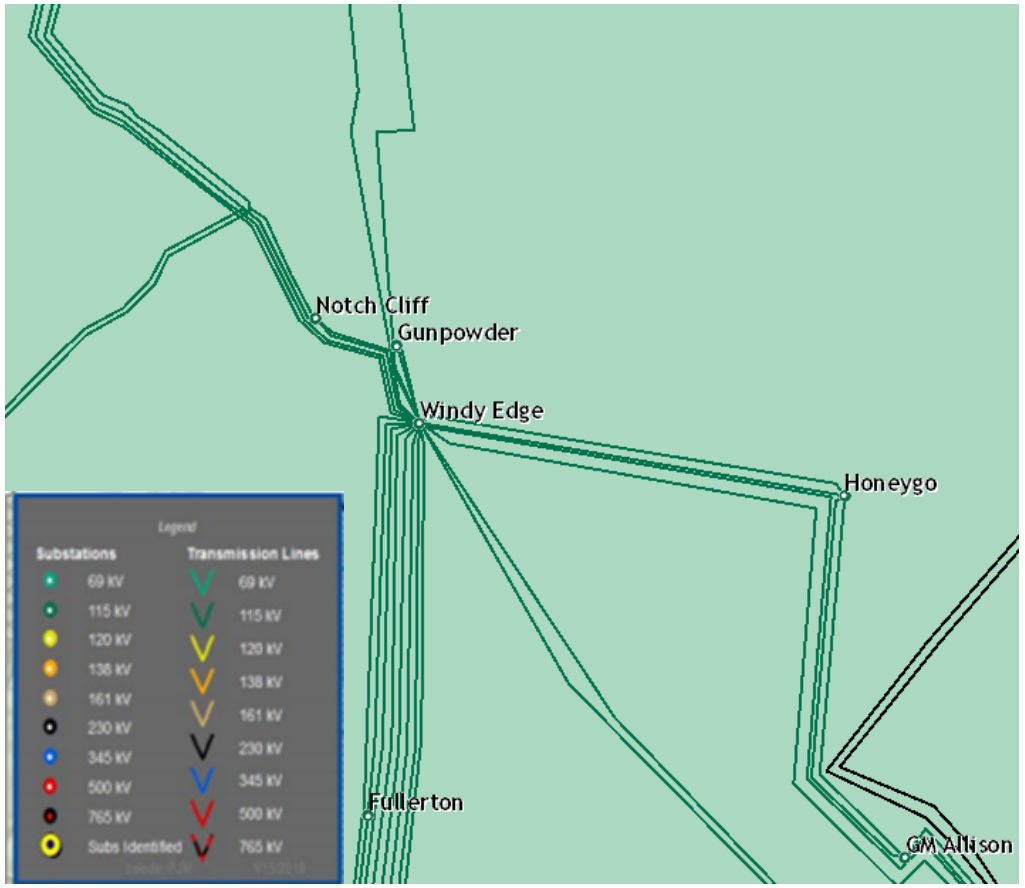
Previously Presented: Need Meeting 8/14/2025

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 #B22 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 B22

Need Number: BGE-2025-005

Process Stage: Solution Meeting – 11/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B22

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

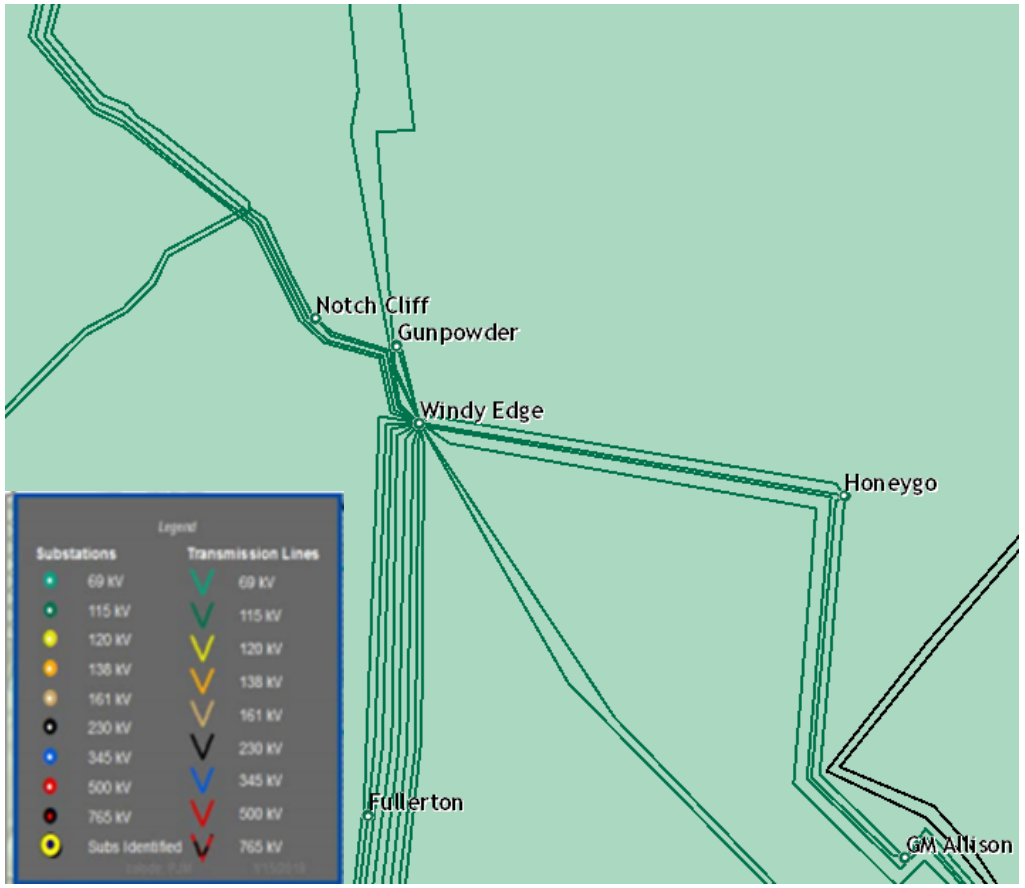
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 11/1/2027

Project Status: Engineering

Model: 2030 RTEP



BGE Transmission Zone M-3 Process
Windy Edge Circuit Breaker B29

Need Number: BGE-2025-006

Process Stage: Solution Meeting 11/13/2025

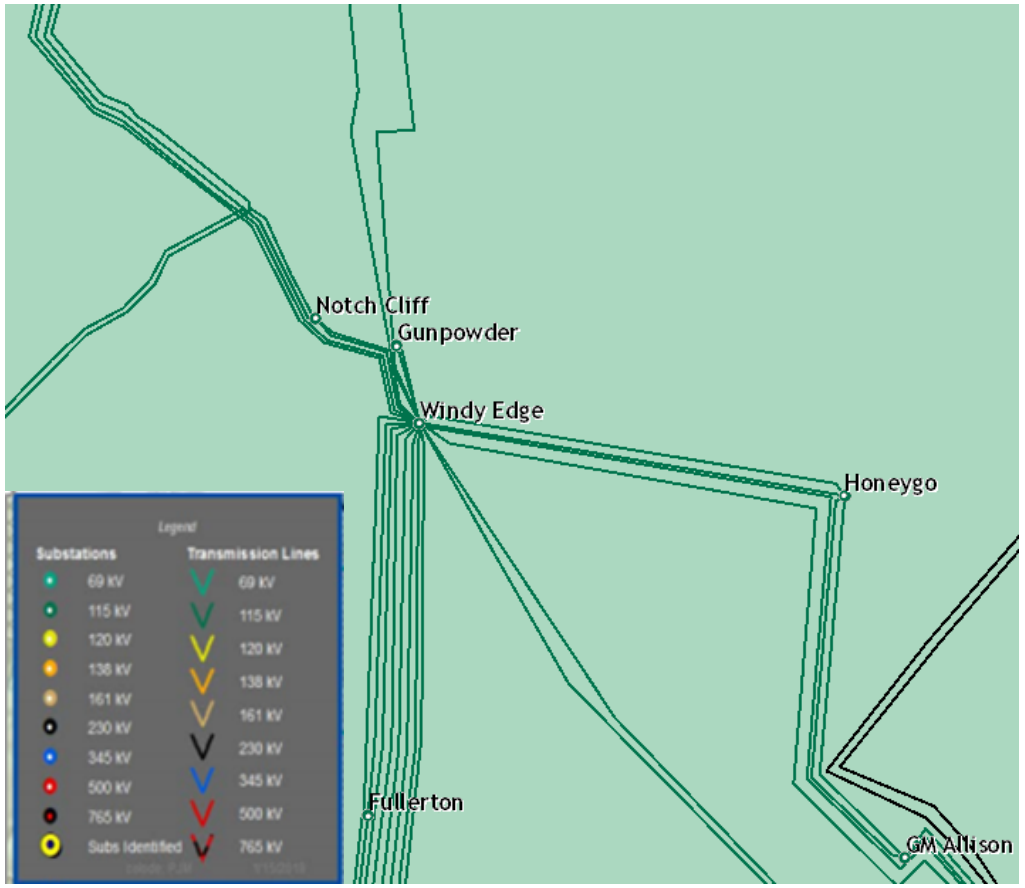
Previously Presented: Need Meeting 8/14/2025

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 #B29 installed in 1960 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 B29

Need Number: BGE-2025-006

Process Stage: Solution Meeting – 11/13/2025

Proposed Solution:

Replace Windy Edge circuit breaker B29

The estimated cost of the project is $0.7M

Existing rating 1600A, 50kA

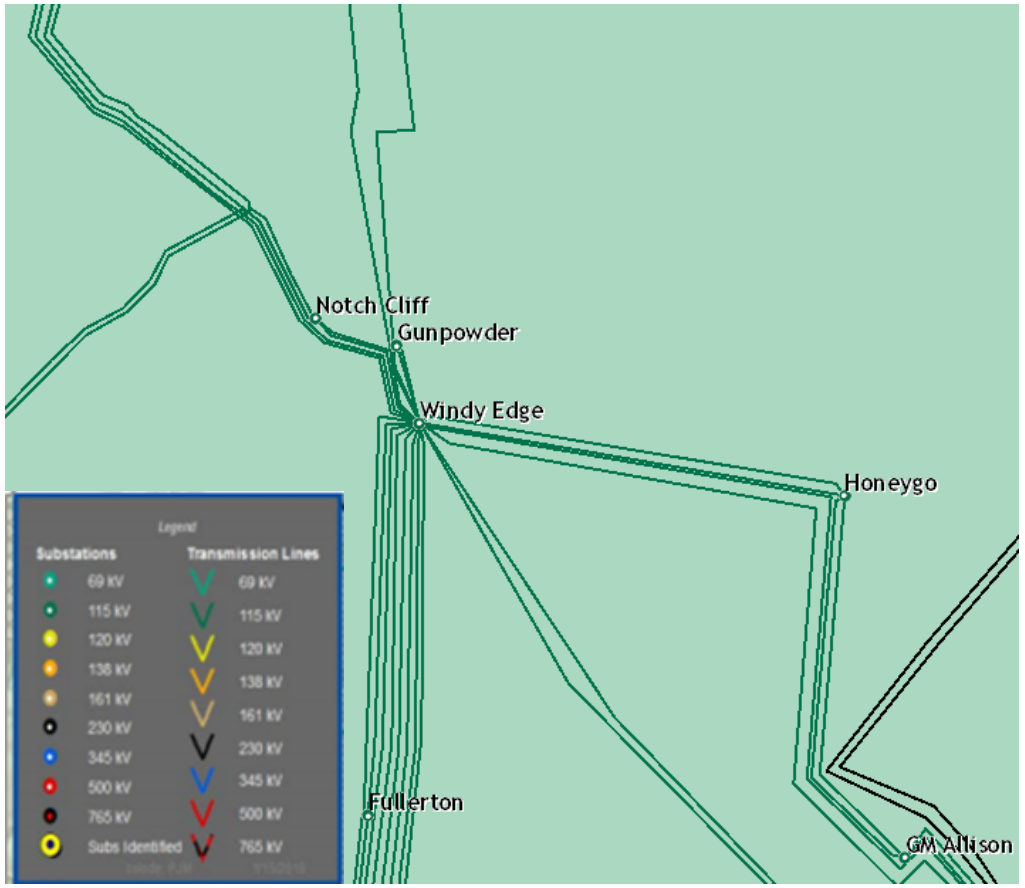
Proposed rating 3000A, 63kA

Alternatives Considered:
No feasible alternatives available

Projected In-Service: 5/21/2026

Project Status: Engineering

Model: 2030 RTEP



BGE Transmission Zone M-3 Process
High Ridge to Dorsey Tap to Crystal Springs Tap

Need Number: BGE-2025-007

Process Stage: Solution Meeting 11/13/2025

Previously Presented: Need Meeting 9/18/2025

Project Driver: Customer Service

Specific Assumption Reference:
• Transmission system configuration changes due to new or expansion of existing distribution facilities

Problem Statement:

- Existing BGE 115kV capacity unable to serve growing distribution customer load in vicinity of its Dorsey Run–Crystal Springs 34kV & 13kV Distribution stations

BGE Transmission Zone M-3 Process
High Ridge to Dorsey Tap to Crystal Springs Tap

Need Number: BGE-2025-007

Process Stage: Solution Meeting – 11/13/2025

Proposed Solution:

Reconductor approximately 5 miles of 110541/110542 double circuit 115 kV tower line from High Ridge to Dorsey Run Tap on existing towers and 1.3 miles from Dorsey Run Tap to Crystal Springs Tap on existing poles with HTLS conductor.

The estimated cost of the project is $12.4M

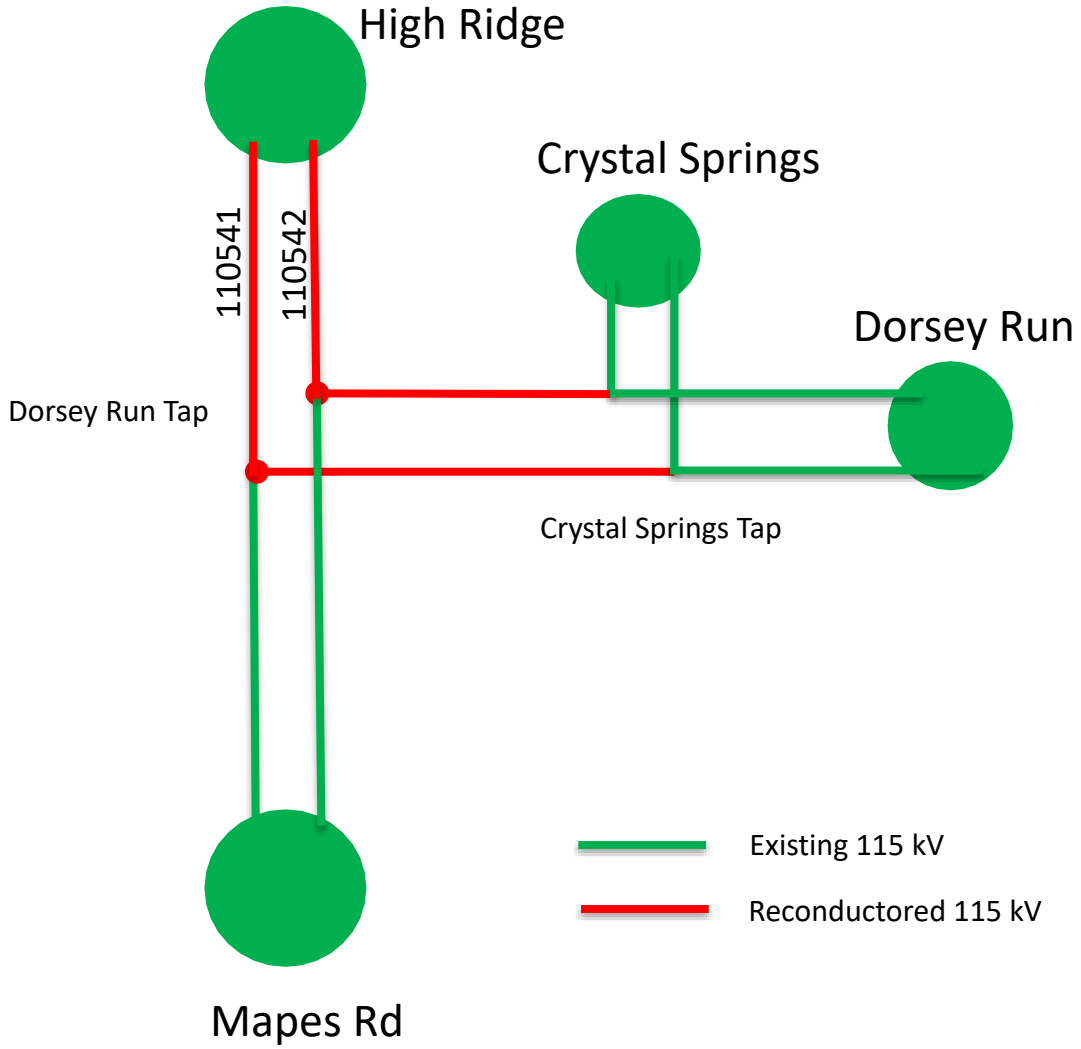
	Summer Ratings (Normal/Emergency/Load Dump) (MVA)	Winter Ratings (Normal/Emergency/Load Dump) (MVA)
Existing Ratings (High Ridge to Dorsey Run Tap)	171/223/223	196/249/249
Existing Ratings (Dorsey Run Tap to Crystal Springs Tap)	212/262/262	230/280/280
Proposed New Ratings (For both Segments)	334/427/466	362/453/497

Alternatives Considered:
BESS installation - $200M
Rebuild the line with new structures - $32M

Projected In-Service: 6/31/2027

Project Status: Engineering

Model: 2030 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

- V1 – Document Posted 11/03/2025
- V2 – Formatting adjusted 11/13/2025