Subregional RTEP Committee – Mid-Atlantic – BGE Supplemental Projects

March 17, 2022

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

Need Number: BGE-2022-004

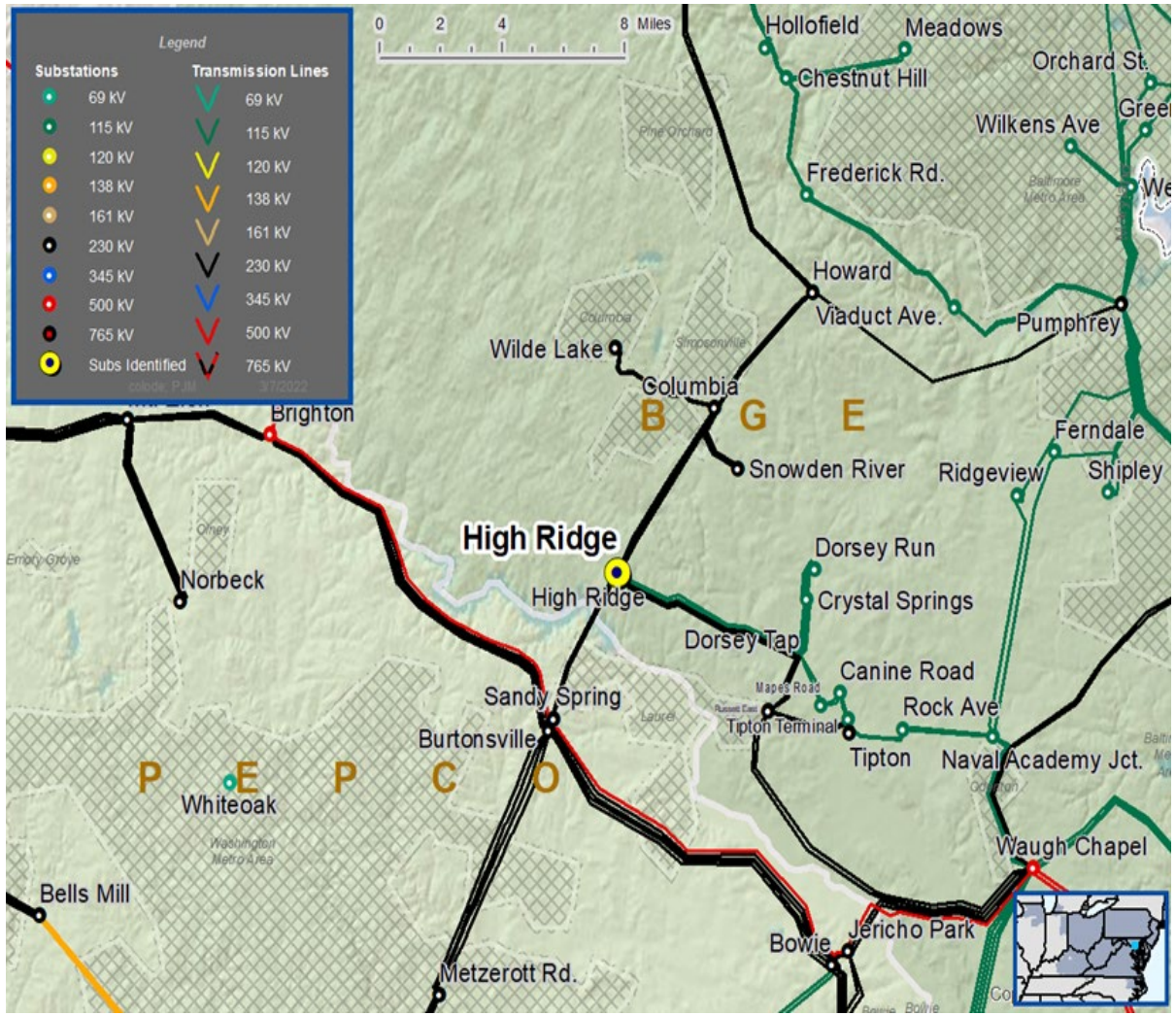
Process Stage: Need Meeting 3/17/2022

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.



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

Need Number: BGE-2022-001

Process Stage: Solution Meeting 3/17/2022

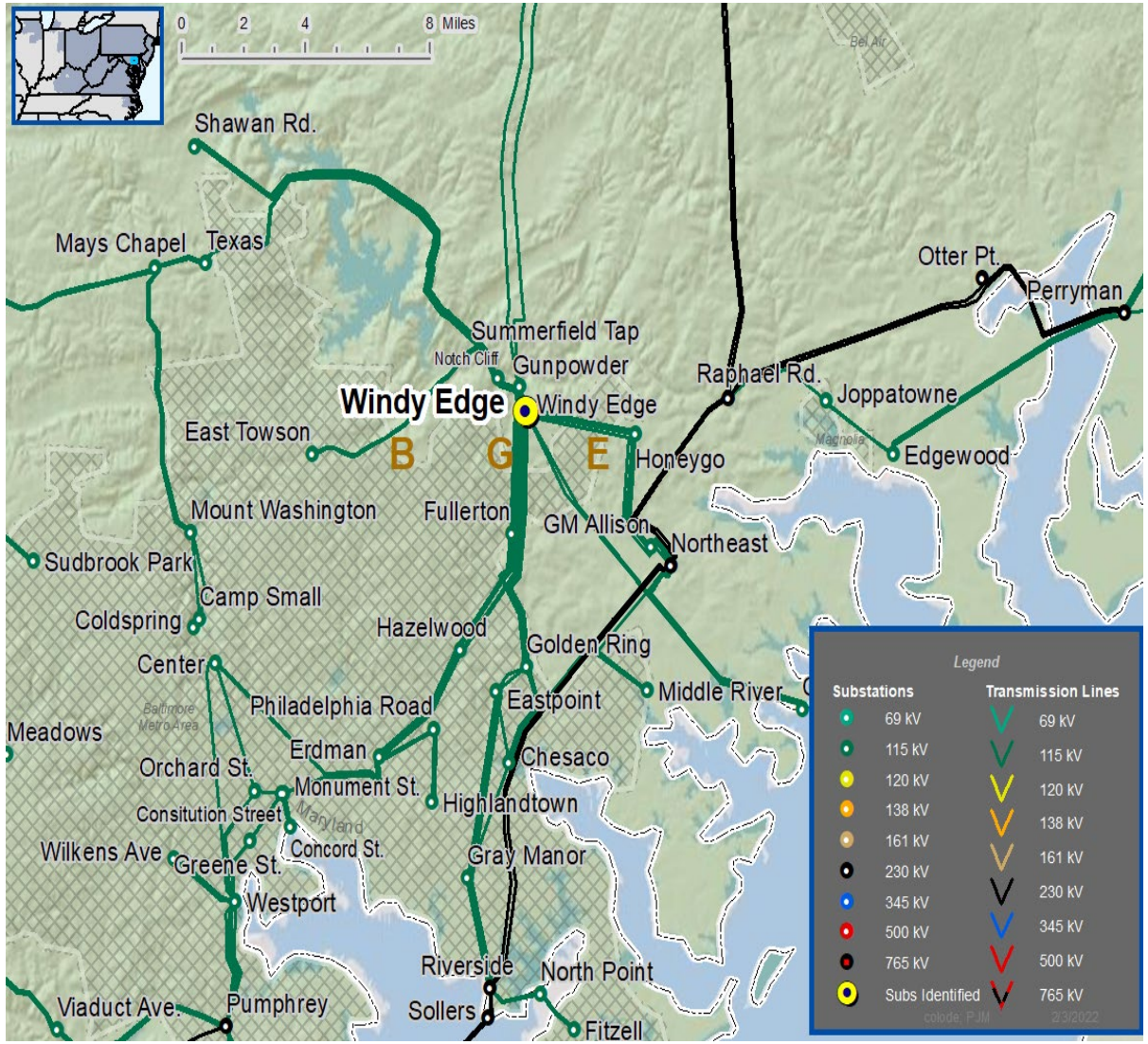
Previously presented: Need Meeting 2/17/2022

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:

- Windy Edge 115kV circuit breaker #B6 installed in 1971 is in deteriorating condition due to oil leaks, air system leaks operational problems that led to several failures-to-close and elevated maintenance costs



Need Number: BGE-2022-001

Process Stage: Solution Meeting – March 17, 2022

Proposed Solution:

Replace Windy Edge circuit breaker #B6

The estimated cost of the project is $1.3M

Existing rating 1600 A, 50kA

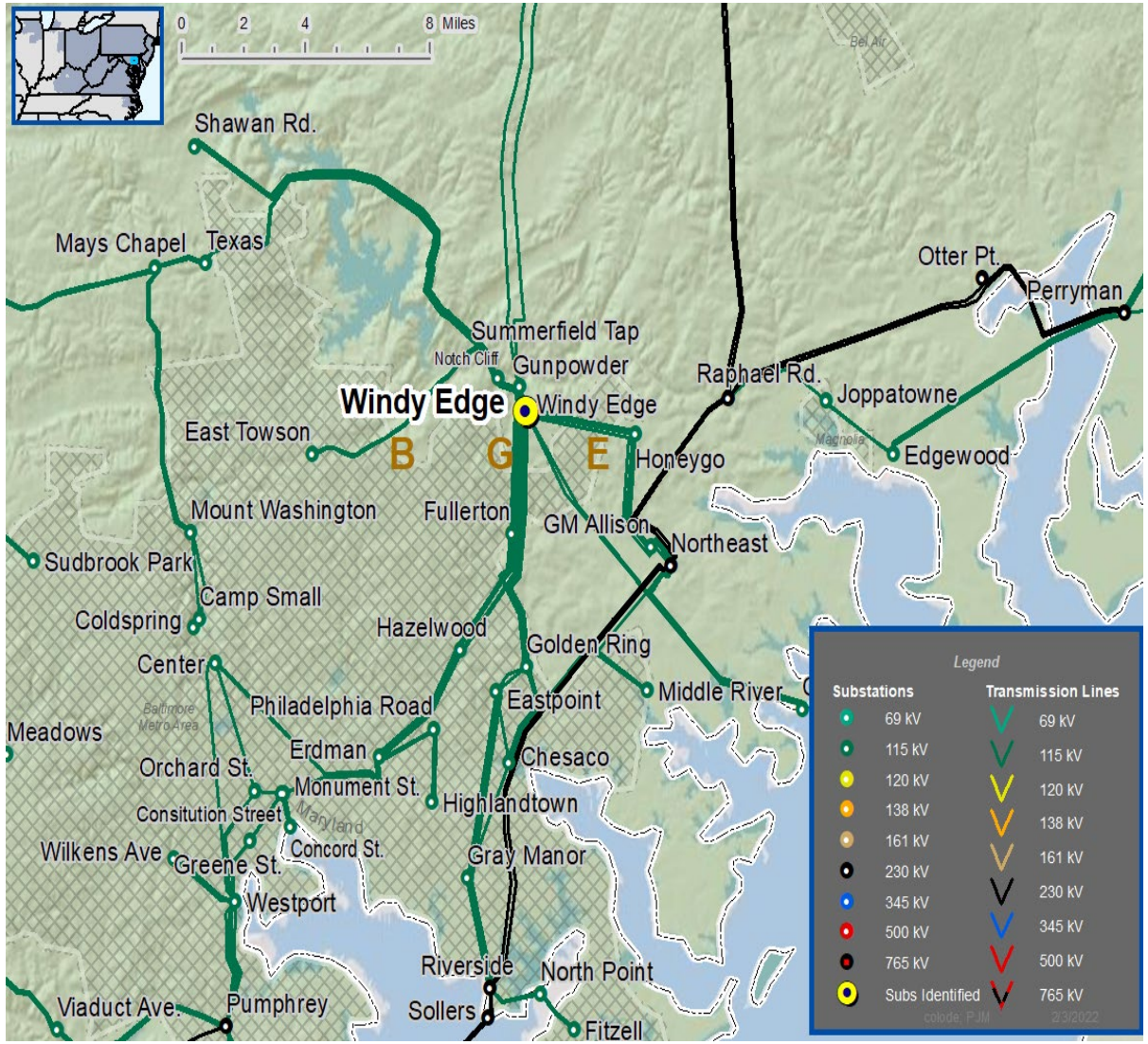
New rating 3000 A, 63kA

Alternatives Considered:
None

Projected In-Service: 4/7/2022

Project Status: Engineering

Model: 2026 RTEP



Need Number: BGE-2022-002

Process Stage: Solution Meeting 3/17/2022

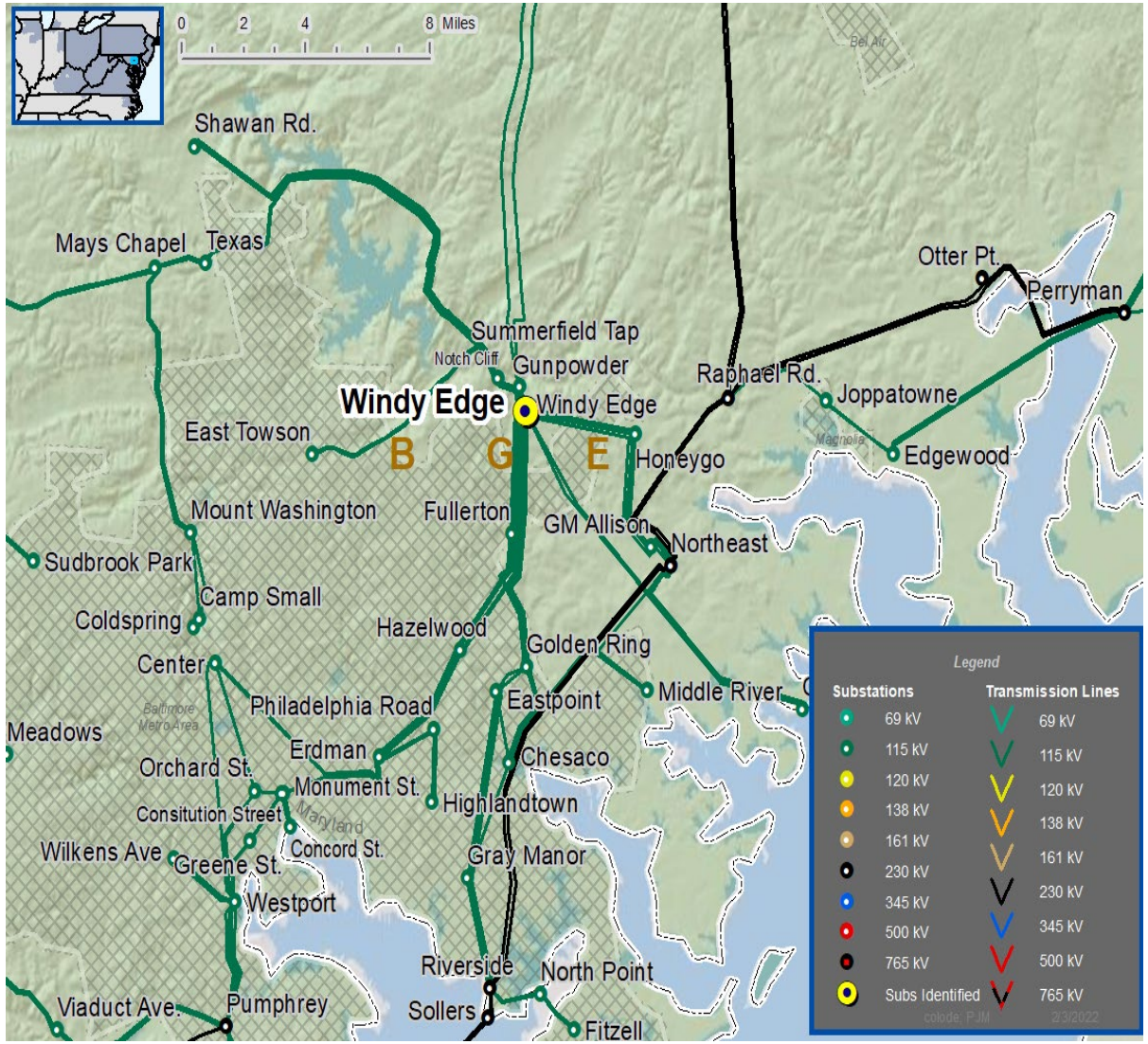
Previously presented: Need Meeting 2/17/2022

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:

- Windy Edge 115kV circuit breaker #B32 installed in 1991 is in deteriorating condition due to oil leaks, hydraulic issues, replacement part availability and elevated maintenance costs



Need Number: BGE-2022-002

Process Stage: Solution Meeting – March 17, 2022

Proposed Solution:

Replace Windy Edge circuit breaker #B32

The estimated cost of the project is $1.3M

Existing rating 2000 A, 50kA

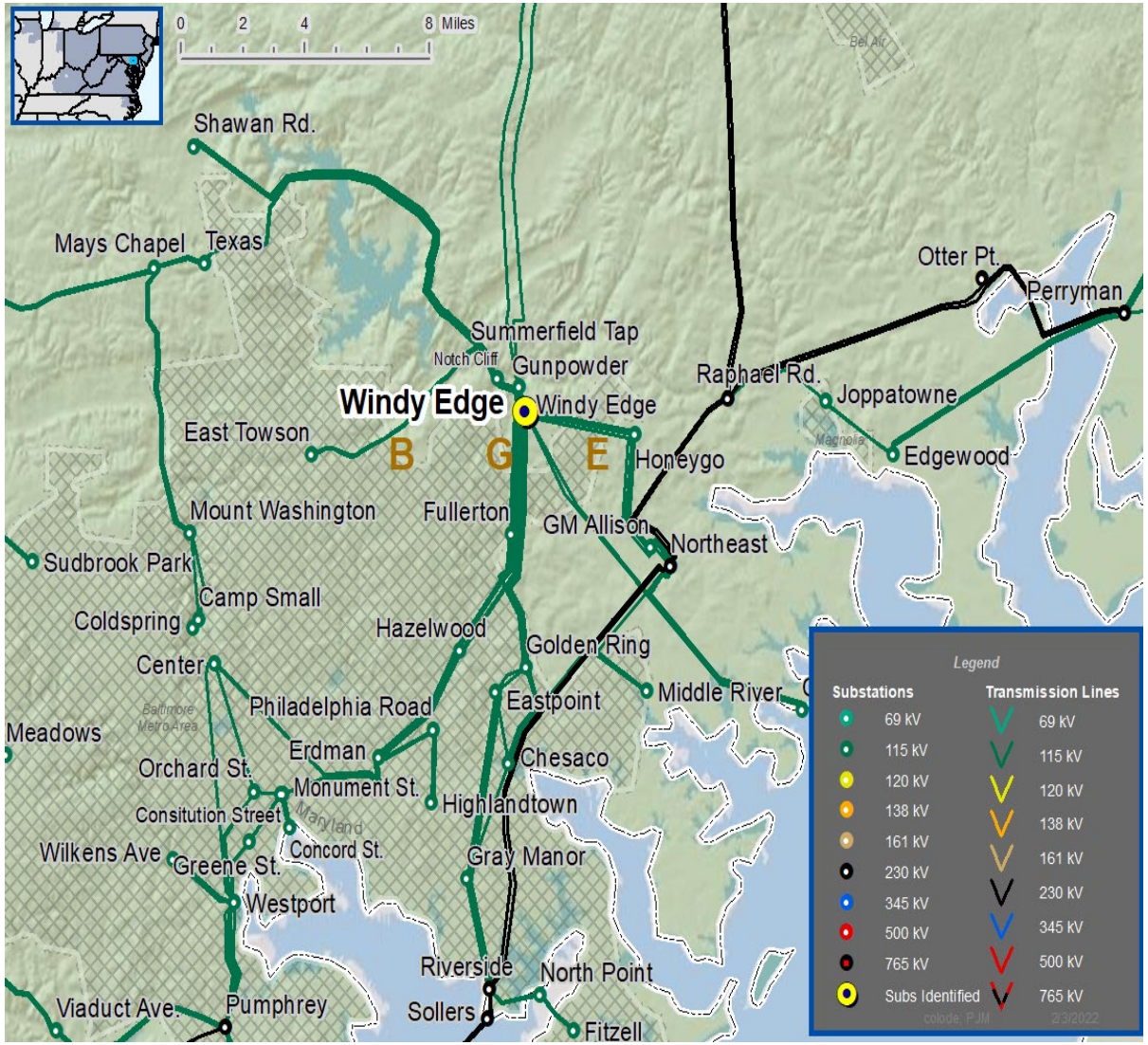
New rating 3000 A, 63kA

Alternatives Considered:
None

Projected In-Service: 5/6/2022

Project Status: Engineering

Model: 2026 RTEP



Need Number: BGE-2022-003

Process Stage: Solution Meeting 3/17/2022

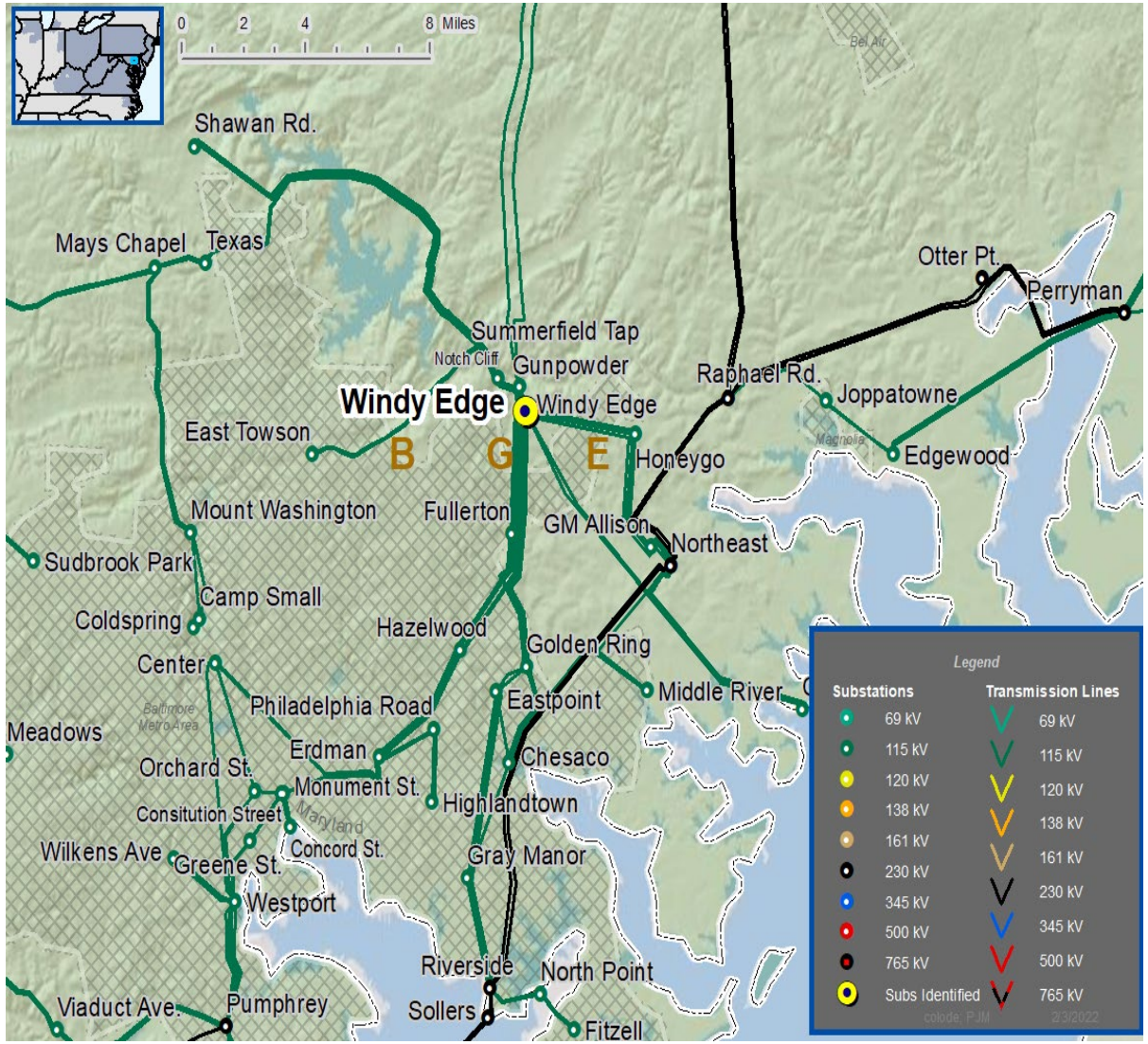
Previously presented: Need Meeting 2/17/2022

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:

- Windy Edge 115kV circuit breaker #B26 installed in 1967 is in deteriorating condition due to heater issues, low pressure issues, replacement part availability and elevated maintenance costs



Need Number: BGE-2022-003

Process Stage: Solution Meeting – March 17, 2022

Proposed Solution:

Replace Windy Edge circuit breaker #B26

The estimated cost of the project is $1.3M

Existing rating 1600 A, 50kA

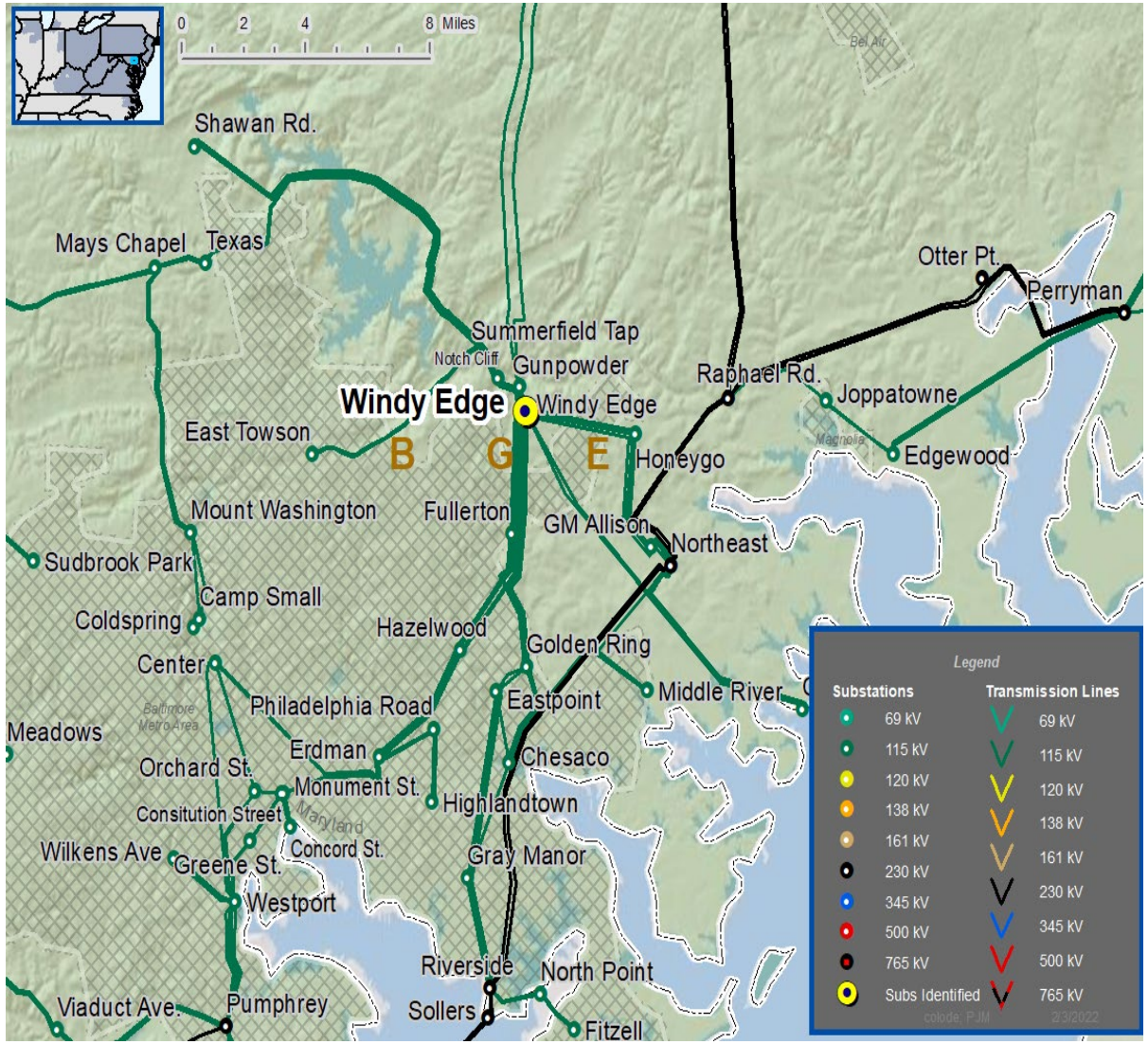
New rating 3000 A, 63kA

Alternatives Considered:
None

Projected In-Service: 6/3/2022

Project Status: Engineering

Model: 2026 RTEP



Questions?

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

3/7/2022 - V1 – Original version posted to pjm.com