



Sub Region RTEP Mid-Atlantic Committee BGE Supplemental Projects

February 16, 2032

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-2023-001

Process Stage: Need Meeting 2/16/2023

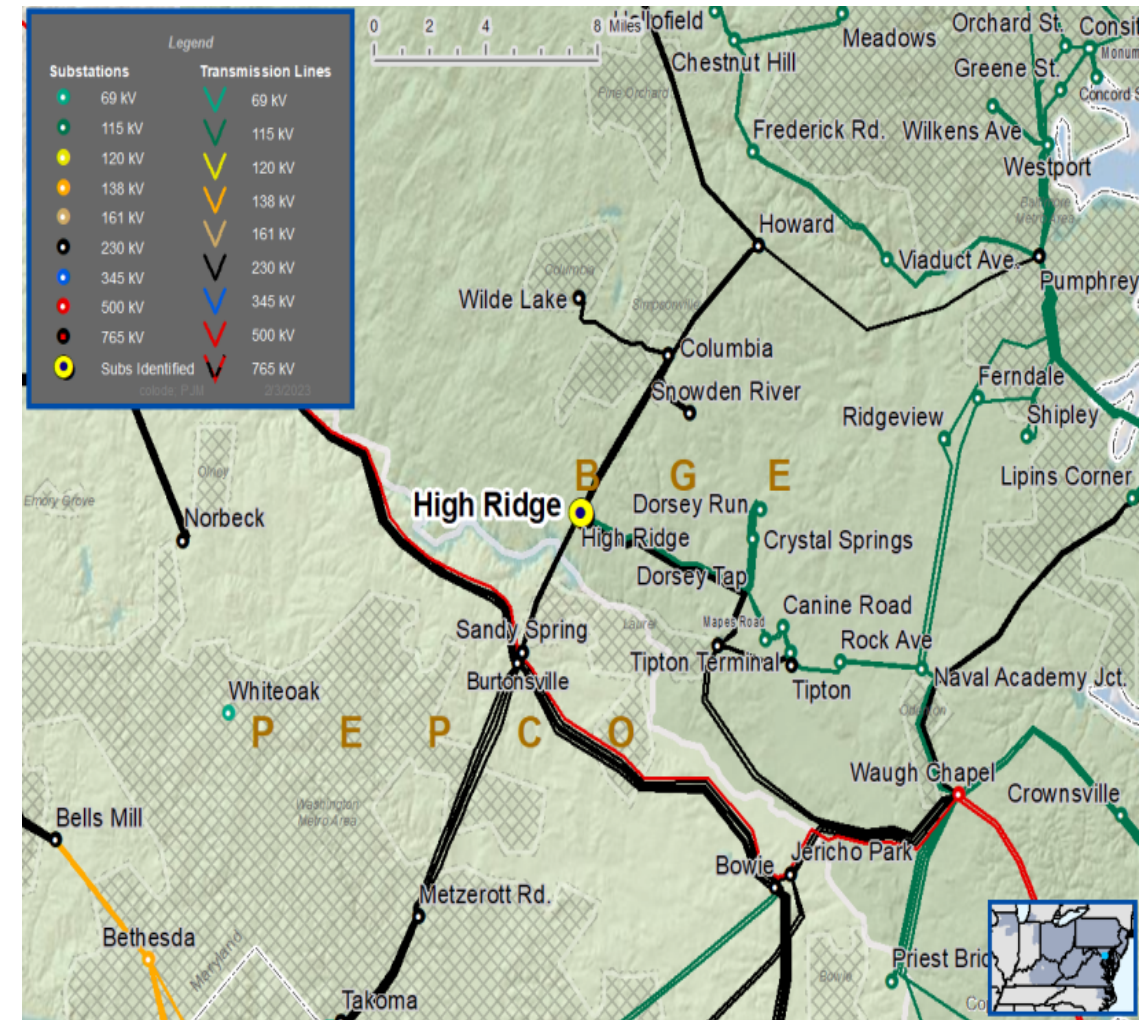
Project Driver: Equipment Material Condition, Performance, and Risk

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:

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



Need Number: BGE-2023-002

Process Stage: Need Meeting 2/16/2023

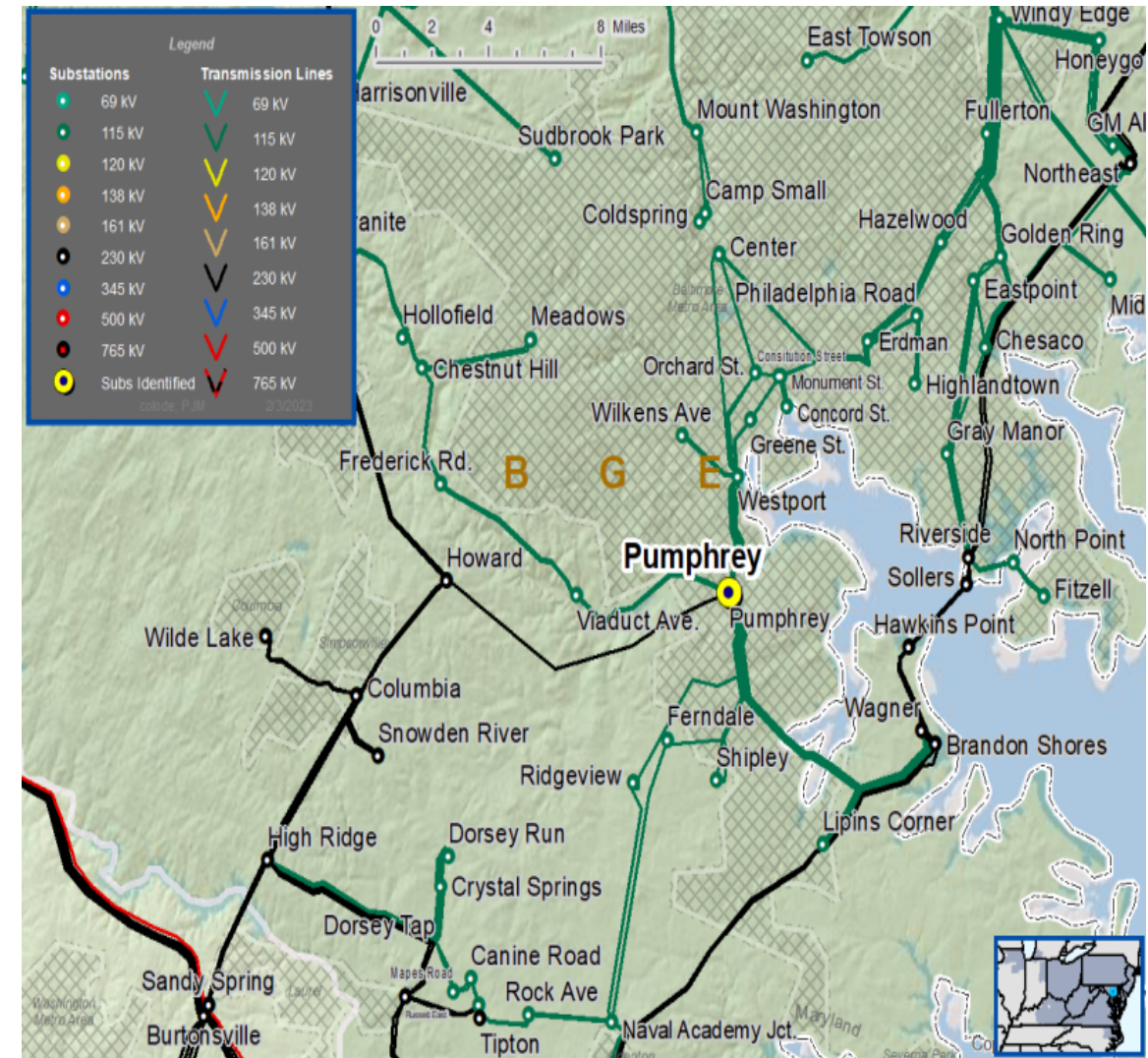
Project Driver: Equipment Material Condition, Performance, and Risk

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:

Pumphrey 115kV circuit breaker #B8 installed in 1977 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-2022-005

Process Stage: Solution Meeting 02/16/ 202

Previously Presented: Need Meeting 11/17/2022

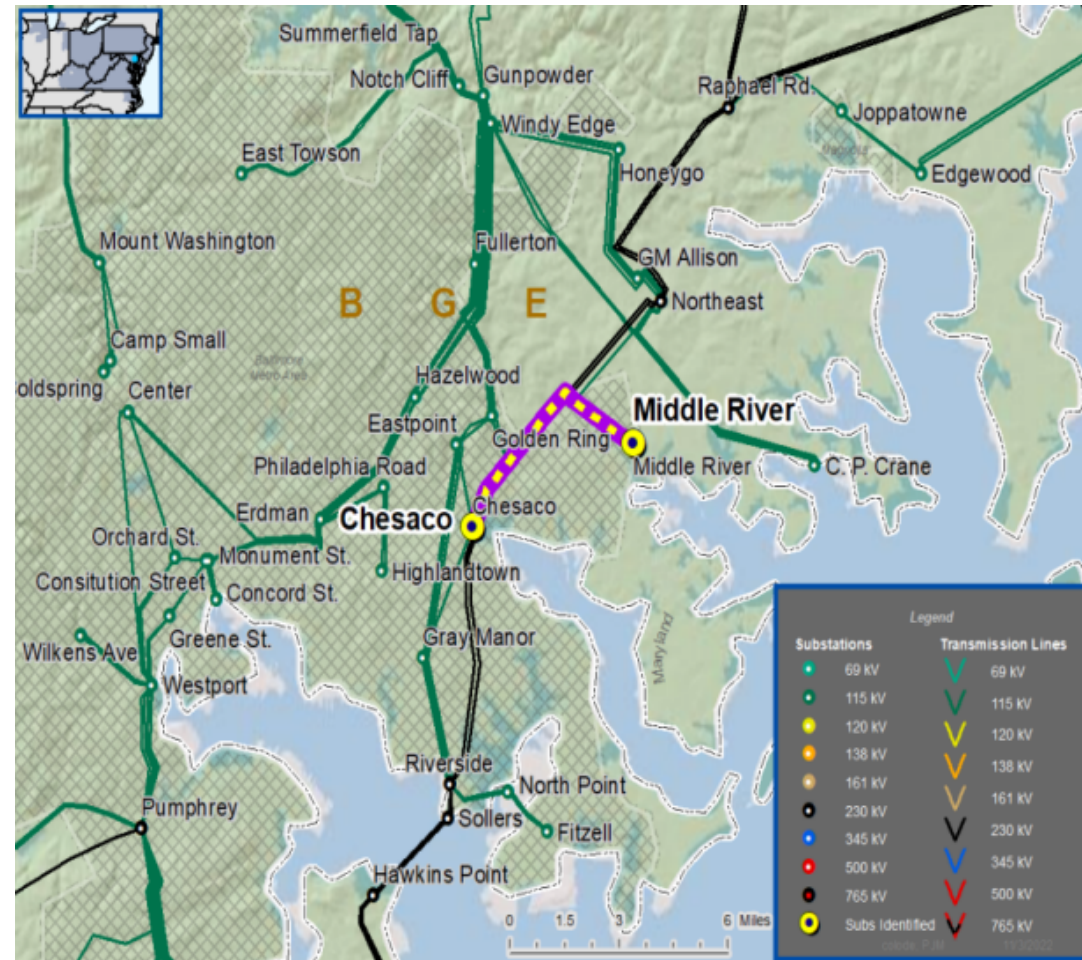
Project Driver: Equipment Material Condition, Performance, and Risk

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:

- 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.



Need Number: BGE-2022-005

Process Stage: Solution Meeting – 02/16/ 2023

Proposed Solution:

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

The estimated cost of the project is \$13.3M

	SN	SE	SLD	WN	WE	WLD
Existing (MVA)	96	137	137	119	162	162
Proposed (MVA)	161	205	210	181	220	227

Alternatives Considered:

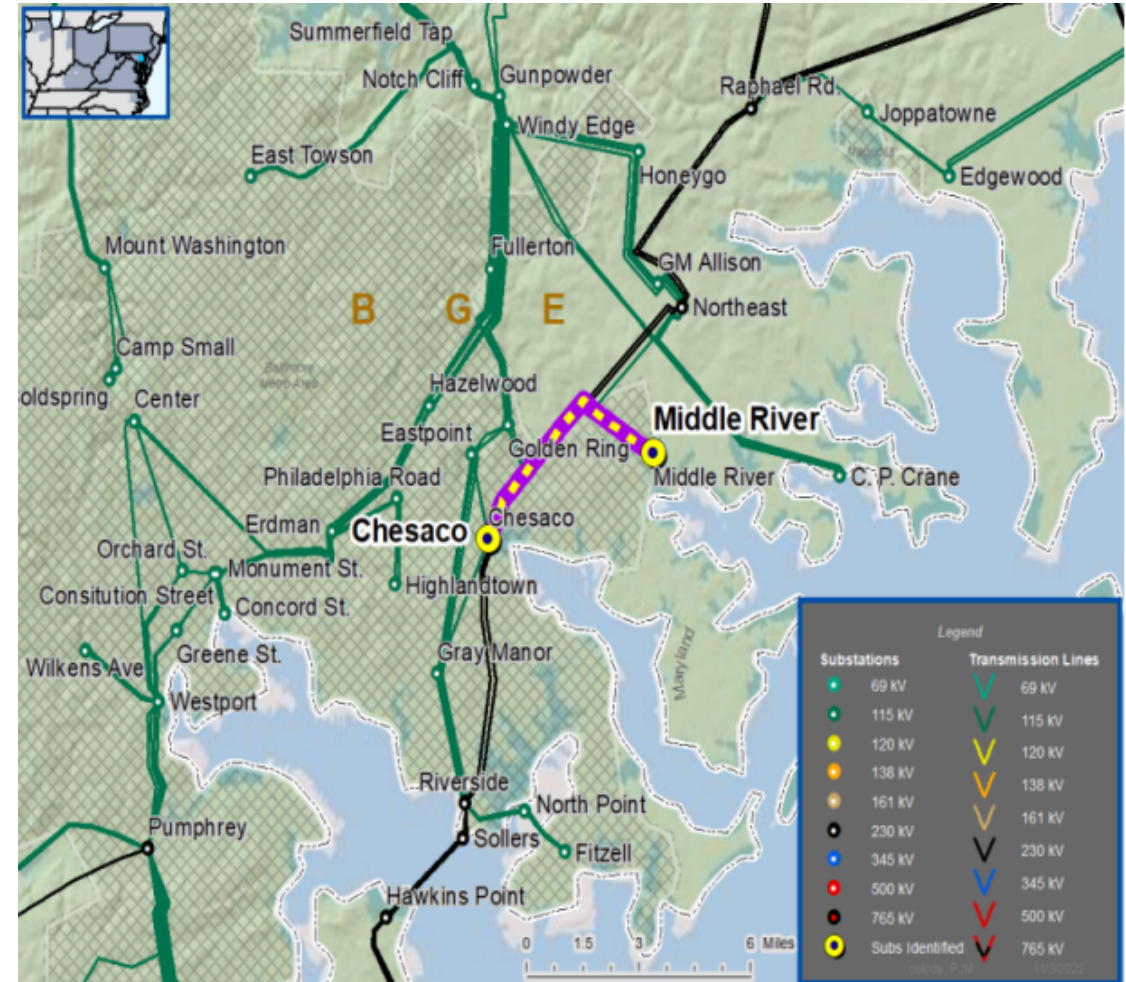
Install UG circuit from Northeast to Middle River

Estimated cost \$42M

Projected In-Service: 5/14/2024

Project Status: Engineering

Model: 2027 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

2/6/2023 – V1 – Original version posted to pjm.com