

SRRTEP Committee BGE Supplemental Project

July 16, 2026

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-2026-002

Process Stage: Solution Meeting 7/16/2026

Previously Presented: Need Meeting 5/14/2026

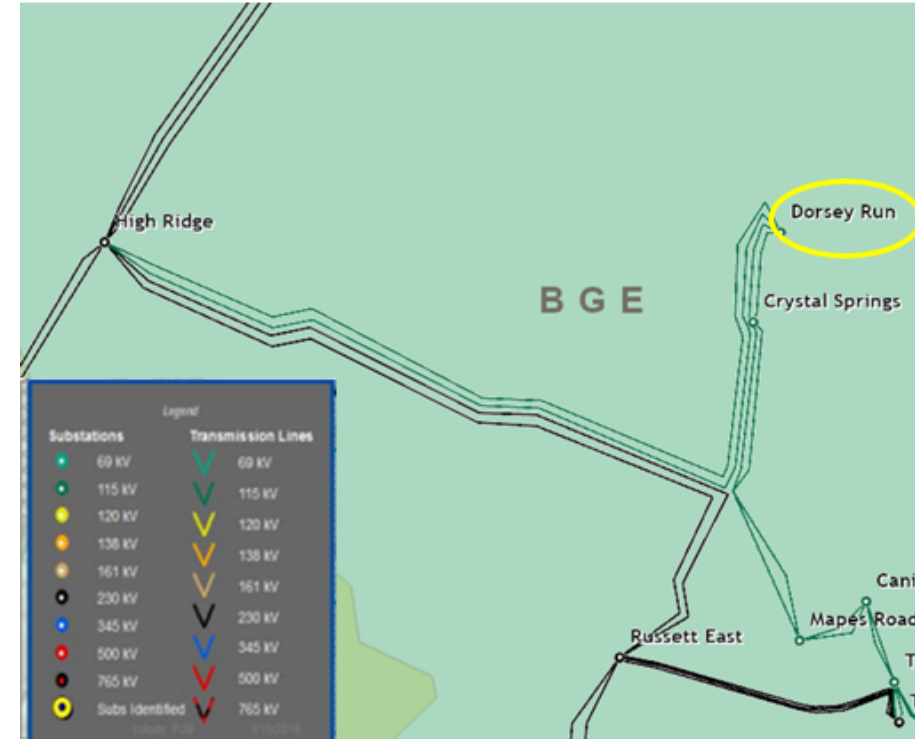
Project Driver: Customer Service

Specific Assumption Reference:

- Transmission system configuration changes due to new or expansion of existing distribution facilities

Problem Statement:

- Existing BGE 13 kV Dorsey Run substation capacity unable to serve growing distribution customer load of 20 MW by 2030.



Need Number: BGE-2026-002

Process Stage: Solution Meeting – July 16, 2026

Proposed Solution:

Install new 115/13 kV transformer 110-3

Estimated Cost: \$0M transmission costs

Proposed Ratings

Summer Normal	111 MVA
Summer Emergency	118 MVA
Winter Normal	128 MVA
Winter Emergency	144 MVA

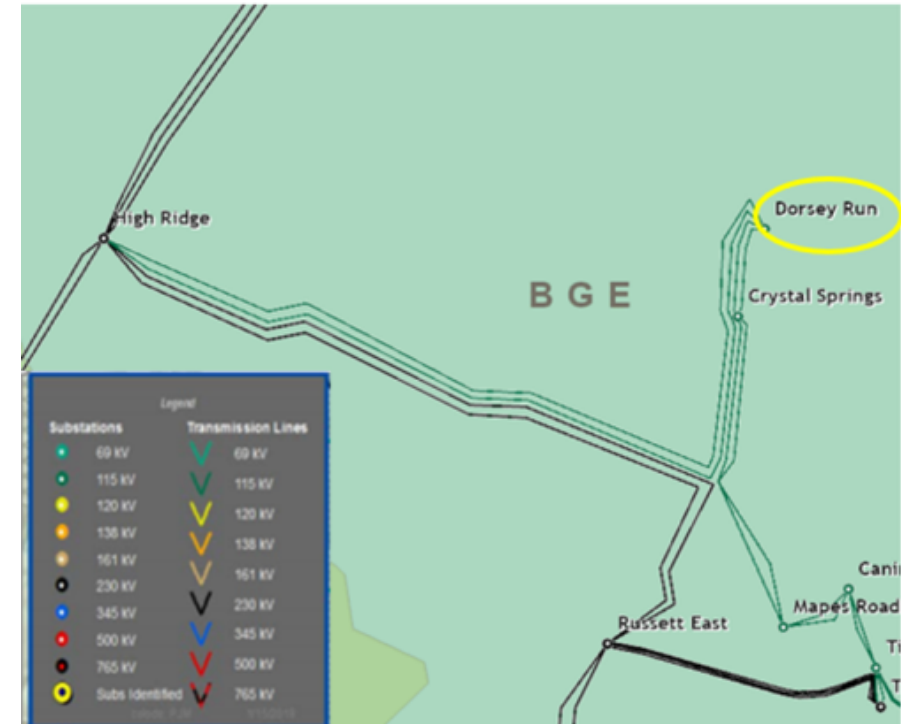
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 10/31/2026

Project Status: Engineering

Model: 2029 RTEP



Need Number: BGE-2026-003

Process Stage: Solution Meeting 7/16/2026

Previously Presented: Need Meeting 5/14/2026

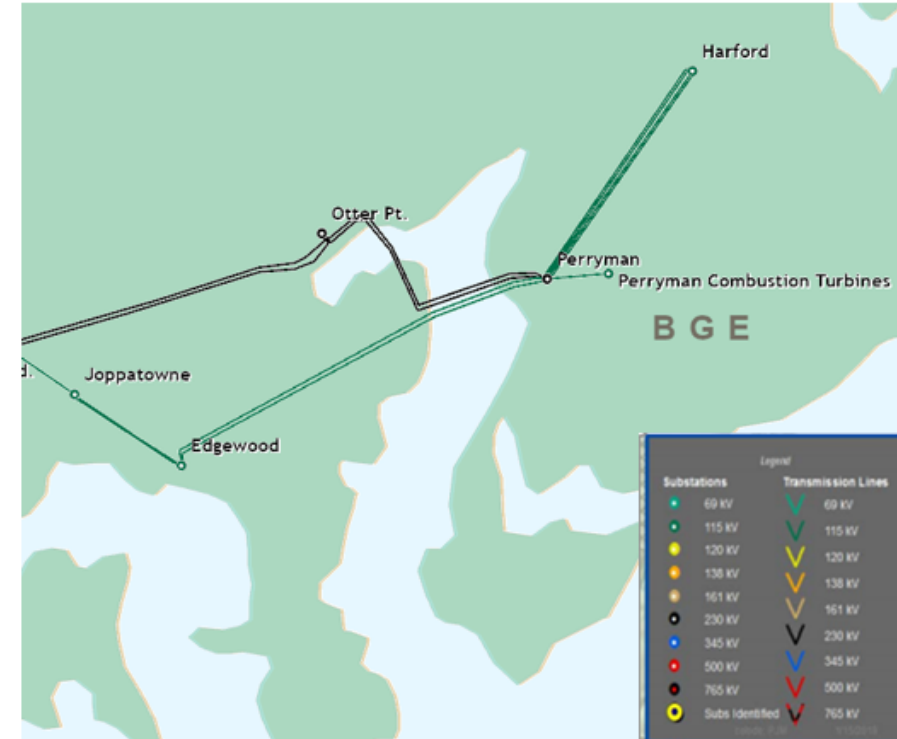
Project Driver: Equipment Material Condition, Performance, and Risk

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:

- Perryman to Edgewood 110620/110621 line has 4.7 miles of existing wood poles and steel lattice towers that have experienced reliability issues due to aging infrastructure, woodpecker damage and bird nesting. The wood poles and lattice towers were built in 1952 and 1968, respectively.



Need Number: BGE-2026-003

Process Stage: Solution Meeting – July 16, 2026

Proposed Solution:

Rebuild existing 4.7 mile Perryman to Edgewood 115 kV line 110620 and 110621 circuits.

Estimated Cost: \$36.27M

Proposed Ratings

		Summer Normal (MVA)	Summer Emergency (MVA)	Winter Normal (MVA)	Winter Emergency (MVA)
110620	Existing Ratings	130	173	160	205
110621	Existing Ratings	143	186	171	215
New Proposed Ratings		149	189	184	215

Alternatives Considered:

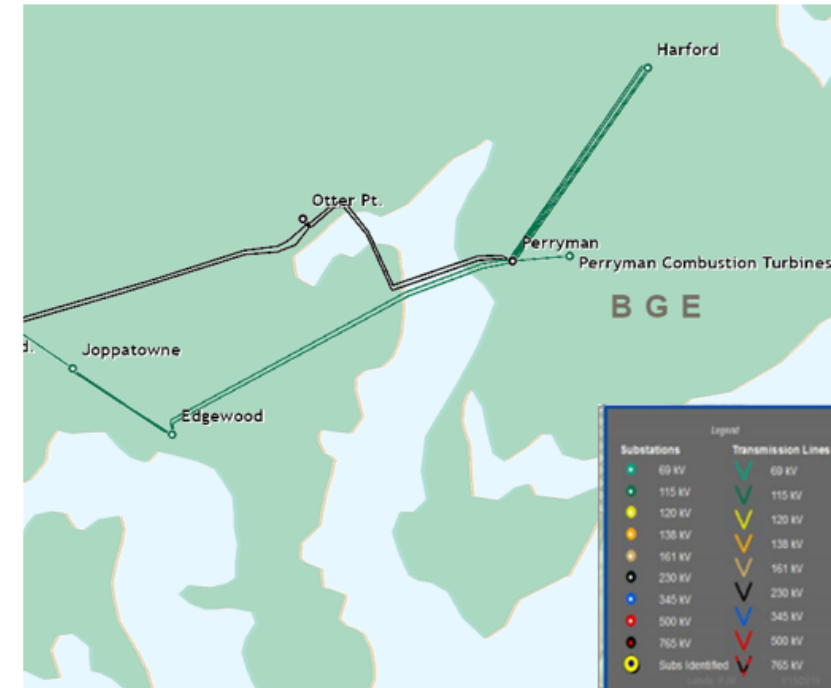
Rebuild as underground

Estimated Cost: \$163M

Projected In-Service: 12/31/2028

Project Status: Engineering

Model: 2029 RTEP



Need Number: BGE-2026-004

Process Stage: Solution Meeting 7/16/2026

Previously Presented: Need Meeting 5/14/2026

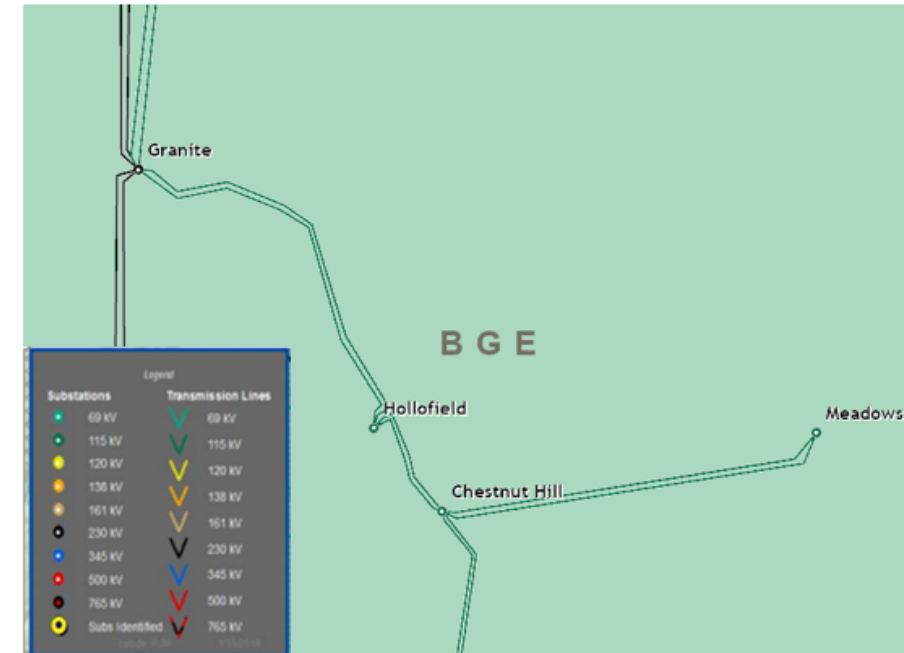
Project Driver: Equipment Material Condition, Performance, and Risk

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 to Chestnut Hill 110529/110530 line has 2.67 miles of double circuit lattice towers installed in 1950 that are in deteriorating condition and have experienced frequent avian related outages.



BGE Transmission Zone M-3 Process Granite to Chestnut Hill Rebuild

Need Number: BGE-2026-004

Process Stage: Solution Meeting – July 16, 2026

Proposed Solution:

Rebuild 2.67 miles of the existing lattice towers and conductors on the 110529/110530 line between Granite and Chestnut Hill stations.

Estimated Cost: \$13.4M

Proposed Ratings

Only the section of 110529 circuit from Hollofield Tap to Chestnut Hills Tap will have a ratings increase. Other sections will be ratings limited by substation equipment.

110529 HOLLOFIELD TAP TO CHESTNUT HILLS	Summer Normal (MVA)	Summer Emergency (MVA)	Winter Normal (MVA)	Winter Emergency (MVA)
Existing Ratings	491	559	539	606
New Proposed Ratings	1098	1283	1167	1340

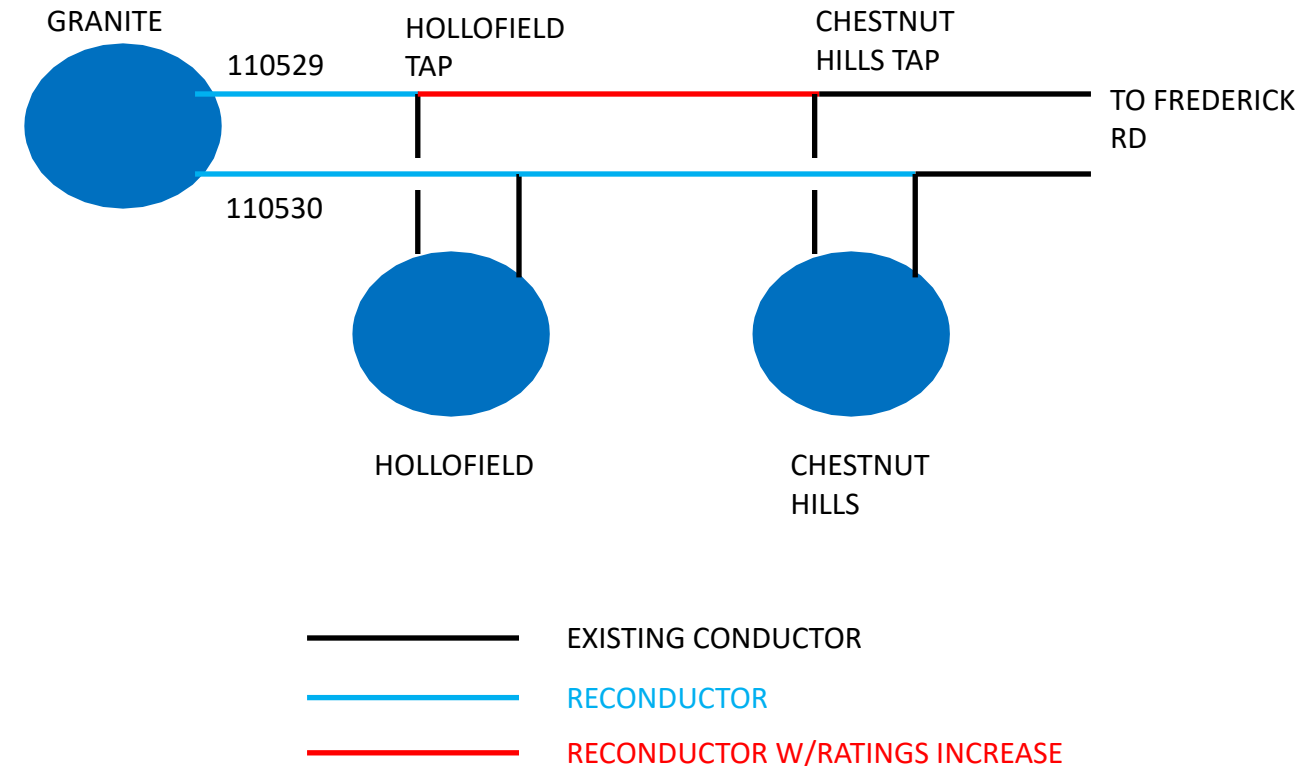
Alternatives Considered:

Rebuild as underground
Estimated Cost: \$120M

Projected In-Service: 12/31/2027

Project Status: Engineering

Model: 2029 RTEP



Need Number: BGE-2026-005

Process Stage: Solution Meeting 7/16/2026

Previously Presented: Need Meeting 5/14/2026

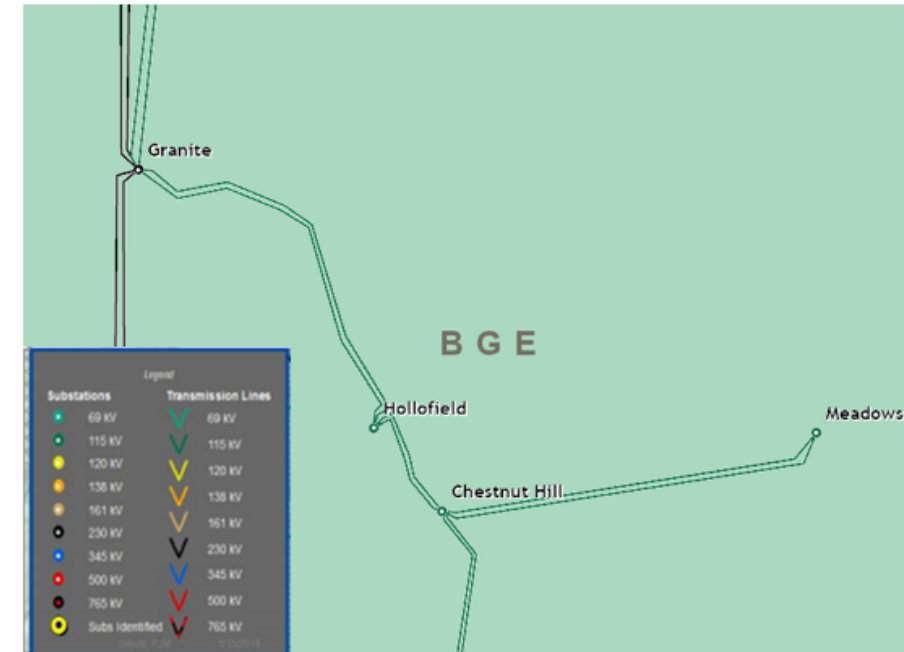
Project Driver: Equipment Material Condition, Performance, and Risk

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 transformer 230-1 installed in 1974 is the oldest 230-115 kV transformer on the BGE system and is in deteriorating condition.



Need Number: BGE-2026-005

Process Stage: Solution Meeting – July 16, 2026

Proposed Solution:

Replace Granite 230/115 kV transformer 230-1

Estimated Cost: \$13.1M

Proposed Ratings

GRANITE 230-1 TRANSFORMER	Summer Normal (MVA)	Summer Emergency (MVA)	Winter Normal (MVA)	Winter Emergency (MVA)
Existing Ratings	533	729	625	808
New Proposed Ratings	600	799	697	850

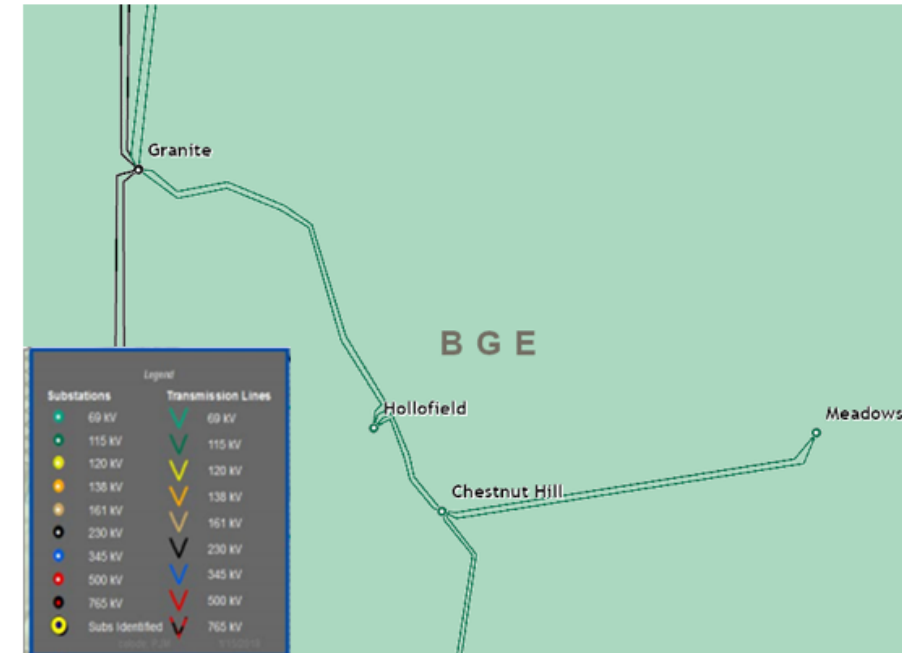
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 12/31/2026

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

7/2/2026 – V1 – Original version posted to pjm.com