Transmission Expansion Advisory Committee – BGE Supplemental Projects
Solution

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: BG-2020-0001
Process Stage: Solutions Meeting 03/10/2020
Previously Presented: Need Meeting 02/4/2020
Project Driver: Equipment Material Condition, Performance and Risk
Specific Assumption Reference:
Programmatic replacement of breakers, relays, wood poles, cables, etc.
Problem Statement:
Four 230 kV oil filled circuit breakers at Waugh Chapel are at risk of poor performance, have environmental risks/concerns along with parts availability issues
**Need Number:** BG-2020-0001  
**Process Stage:** Solutions Meeting 03/10/2020  
**Proposed Solution:**  
Replace four 230 kV oil filled circuit breakers at Waugh Chapel substation with four new gas circuit breakers  
Cost $2.3M  
**Ancillary Benefits:**  
- Increased Short Circuit Ratings  
**Alternatives Considered:**  
- NA  
**Projected In-Service:** December 2020  
**Project Status:** Engineering and Procurement  
**Model:** 2024 PJM RTEP
Need Number: BG-2020-0002

Process Stage: Solutions Meeting 03/10/2020

Previously Presented: Need Meeting 02/4/2020

Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:
Programmatic replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:
Two 230 kV circuit breakers at Raphael Road are at risk of poor performance, have had defective parts along with parts availability issues
Need Number: BG-2020-0002

Process Stage: Solutions Meeting 03/10/2020

Proposed Solution:
Replace two 230 kV circuit breakers at Raphael Road substation with two new gas circuit breakers

Cost $0.91M

Ancillary Benefits:
-Increased Short Circuit Ratings

Alternatives Considered:
-NA

Projected In-Service: December 2020

Project Status: Engineering and Procurement

Model: 2024 PJM RTEP
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