

# Transmission Expansion Advisory Committee – PEPCO Supplemental Projects

March 9, 2020

# 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:** PEP-2021-001

**Process Stage:** Solutions Meeting 3/9/2021

**Previously Presented:** Need Meeting 2/9/2021

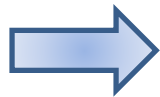
**Project Driver:** Other

**Specific Assumption Reference:**  
Technological Pilot Projects

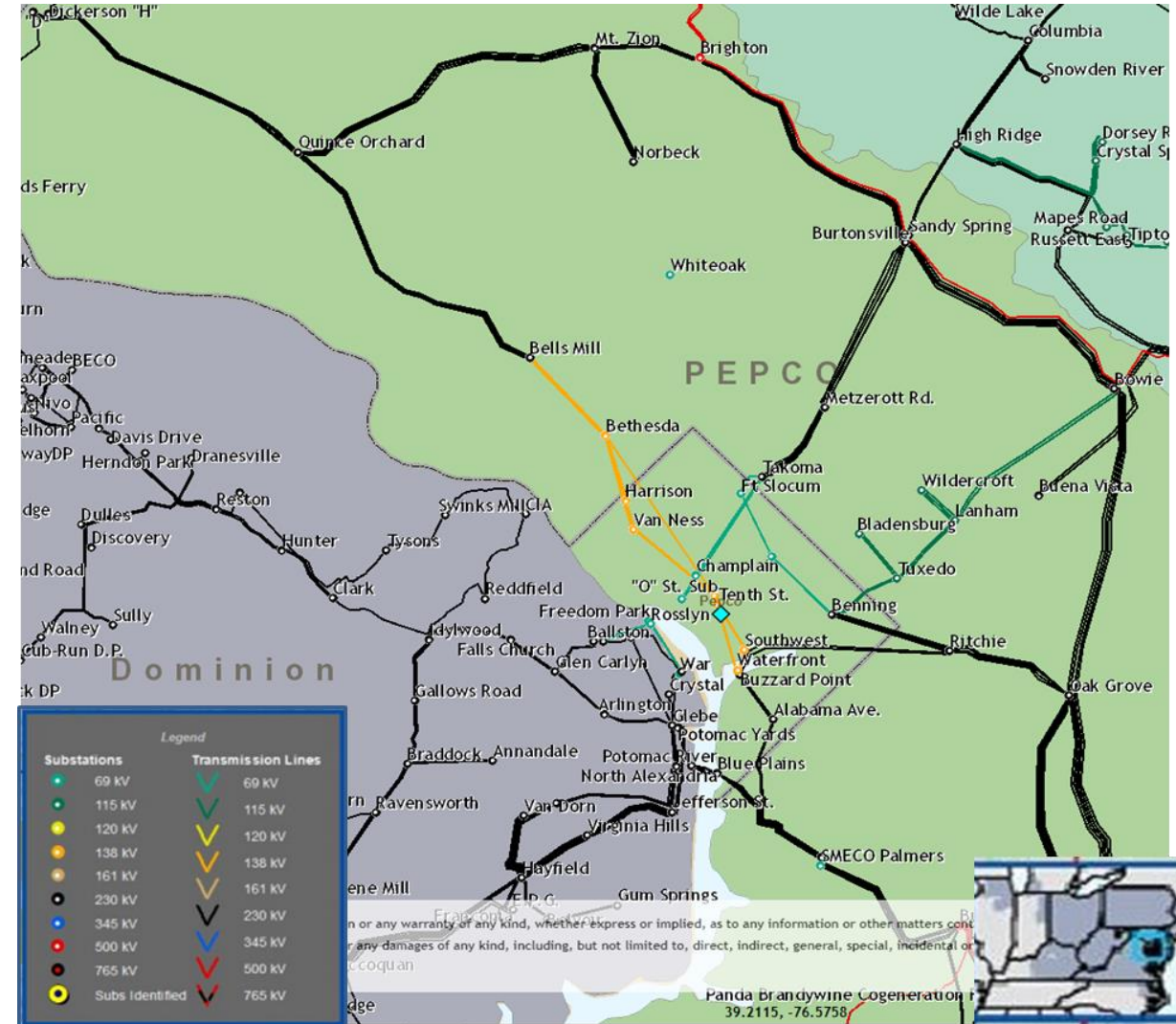
**Problem Statement:**

- To test the innovative technology of E3X coated conductor to get increased clearance compared to conventional conductor
- To analyze the E3X coated conductor of its ability to increase the circuit rating, as this conductor type has increased emissivity & lower absorptivity, that allows it to operate at higher ampacity

Higher Emissivity  
&  
Lower Absorptivity



Cooler Conductor  
&  
More Ampacity



**Need Number:** PEP-2021-001

**Process Stage:** Solutions Meeting 3/9/2021

**Proposed Solution:**

- Reconductor Transmission Line 23009 from Mount Zion to Norbeck (4.5mi) with E3X coated conductor

**Estimated cost:** \$3.6M

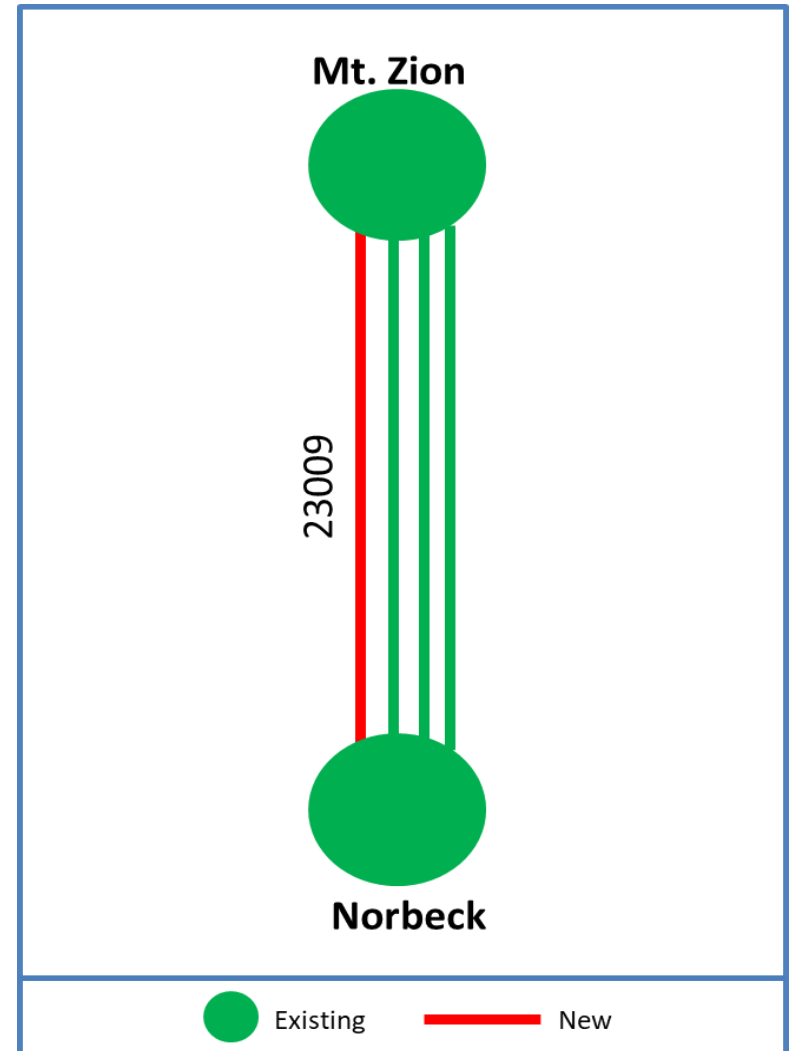
**Expected ratings changes:**

- To be determined at the project completion

**Projected In-Service:** 6/1/2022

**Project Status:** Conceptual

**Model:** 2025 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

2/26/2021 - V1 – Original version posted to pjm.com

3/5/2021 – V2 – Map replaced on slide #3