

PEPCO 2020
Submission of Supplemental Projects for
Inclusion in the Local Plan

Need Number: PEP-2020-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/07/2020

Previously Presented:

Need: 08/04/2020

Solution: 09/01/2020

Project Driver: Equipment Material Condition, Performance and Risk

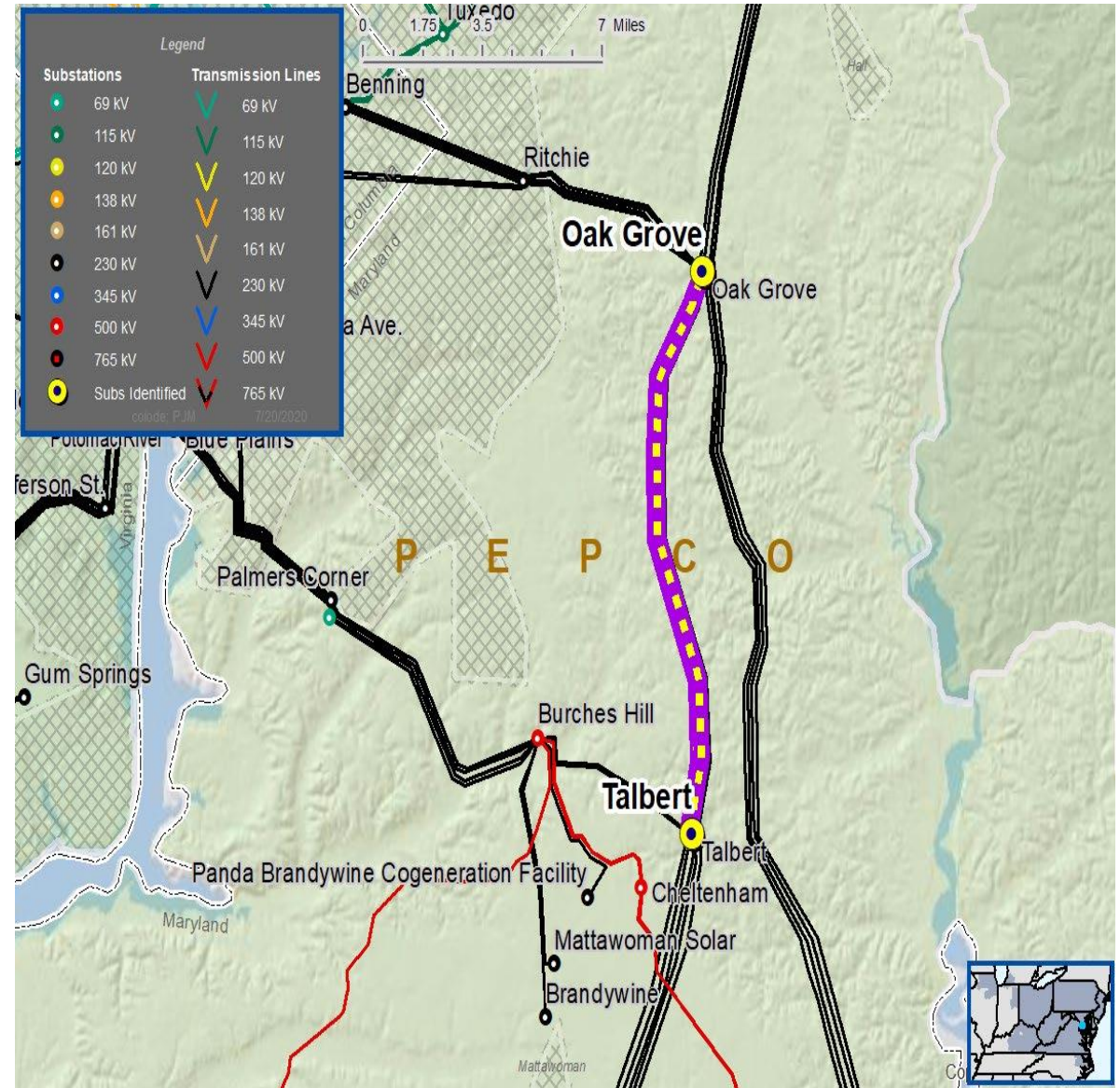
Specific Assumption Reference:

Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

230kV circuits 23067 & 23087 from Oak Grove to Talbert (~10 miles), constructed in 1968, are exhibiting severe material condition issues:

- All structures are currently rusting and are at risk for structural failure
- All structures need replacement of insulators, conductor, all hardware, lattice coating, foundation/lattice leg repairs, tower attachment points/vangs
- 20% structures need immediate grounding replacement, foundation replacement and lattice/bent member repairs
- Tested insulator samples no longer meet mechanical design rating



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Selected Solution:

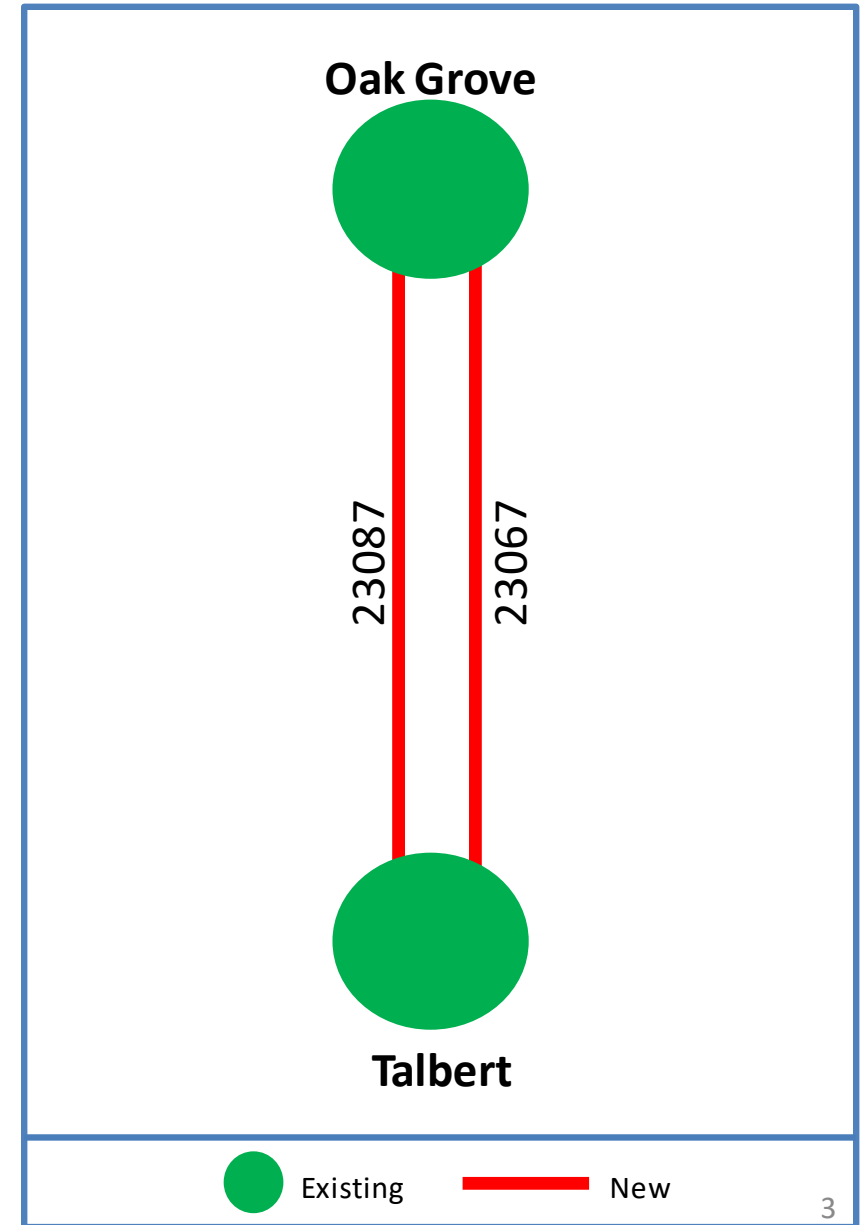
Rebuild 10 miles of existing 230kV double-circuit lattice tower transmission lines 23067 and 23087 with new steel monopole structures along the existing route

Projected In-Service: 12/1/2024

Supplemental Project ID: S2356

Project Status: Conceptual

Model: 2025 RTEP



Revision History

12/7/2020 – V1 – Posted Local plan for S2356