

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

**Need Number: PE-2020-003**

**Process Stage** - Submission of Supplemental Project for inclusion in the Local Plan 9/10/2020

**Previously Presented:**

**Need** – 3/10/2020

**Solution** – 6/2/2020

**Project Driver:**

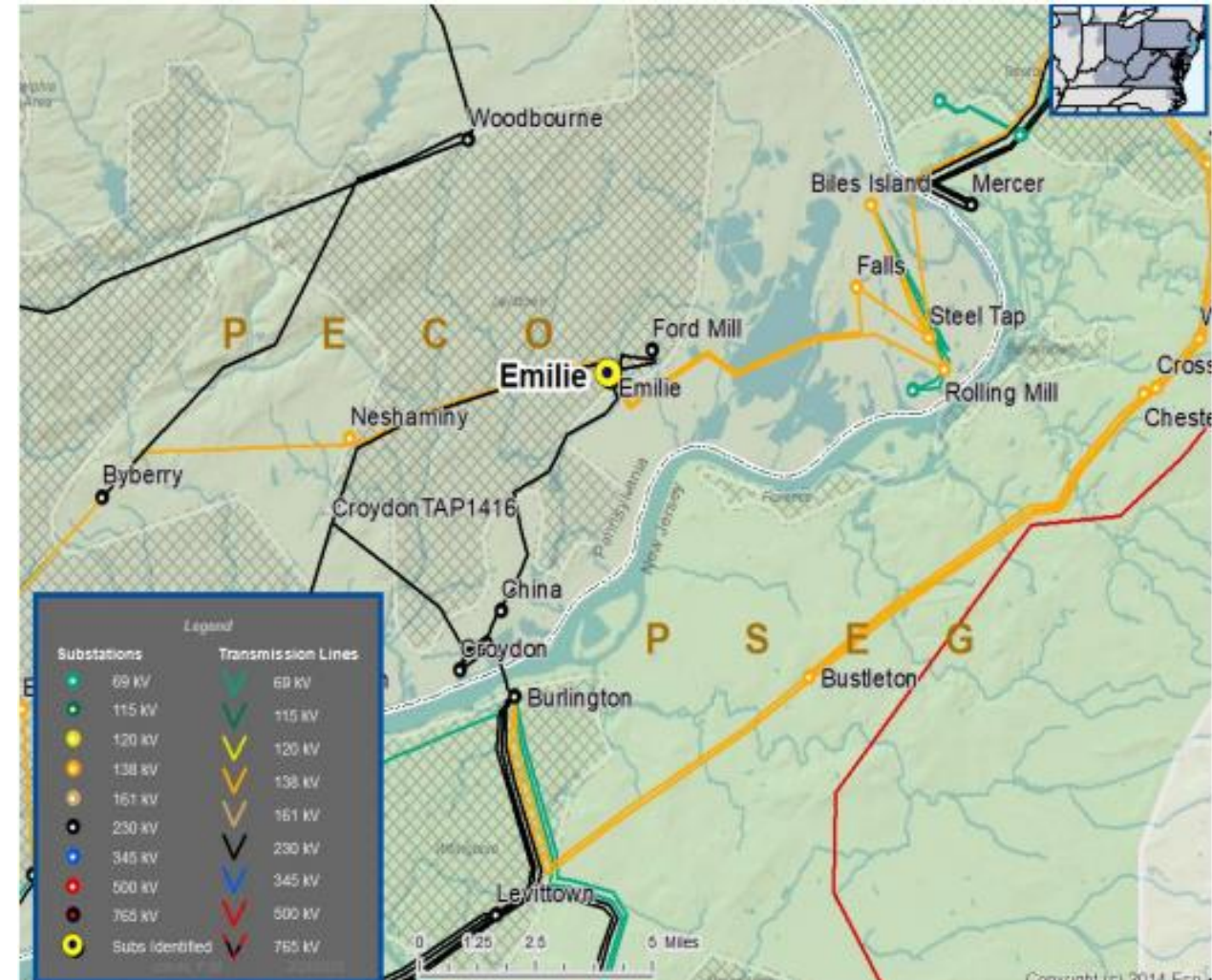
Equipment Material Condition, Performance, and Risk

**Specific Assumption Reference:**

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

**Problem Statement:**

- Emilie #8 230/138kV auto transformer is in deteriorating condition. Dissolved gas analysis (DGA) results indicate internal issues within the transformer.



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**Selected Solution:**

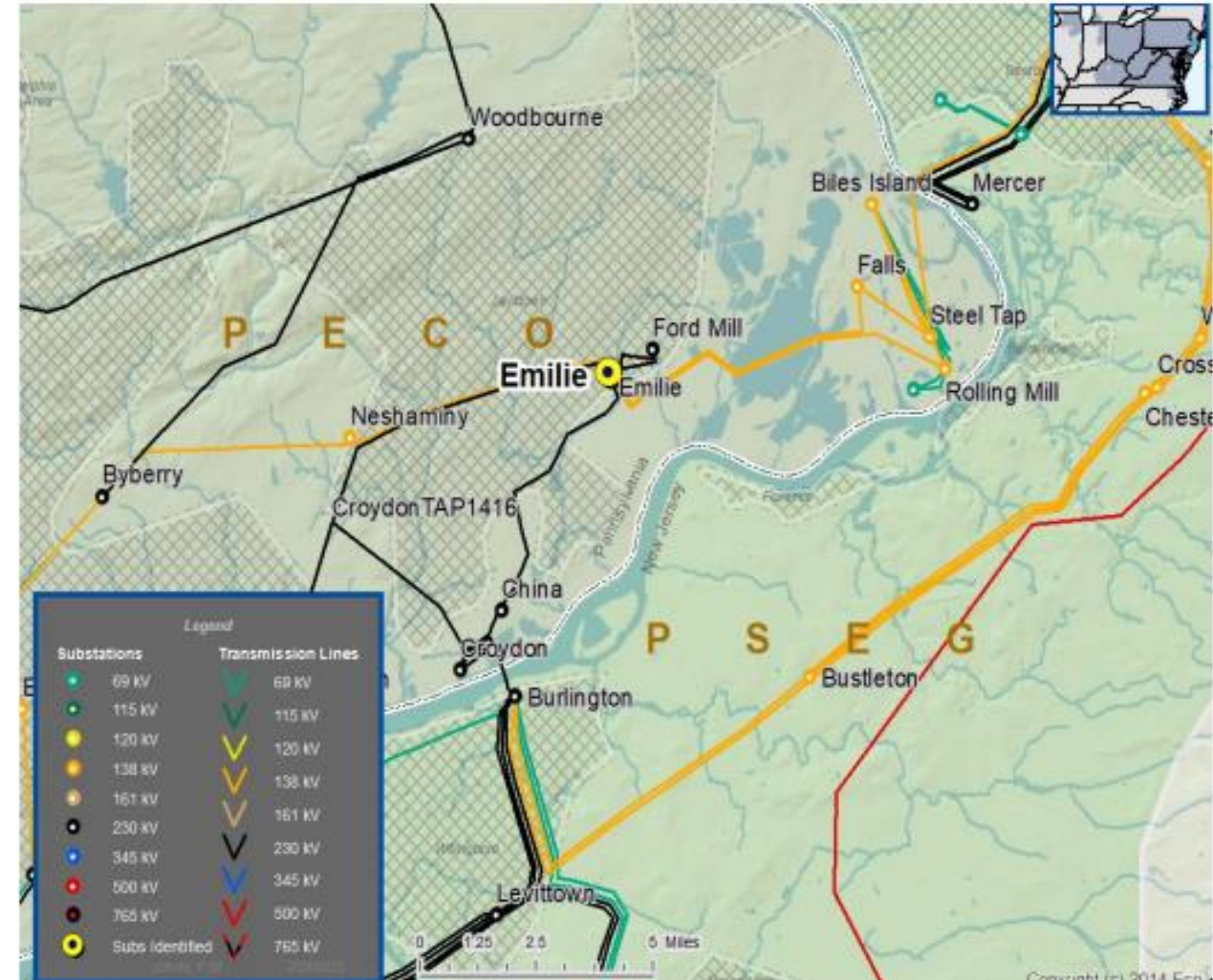
- Replace Emilie #8 230/138kV transformer and low side circuit breaker. Both the transformer and circuit breaker were installed in 1969. The estimated cost of the project is \$8.3M
- Current Ratings - 341 MVA/453 MVA (1428A/1897A)
- Proposed Ratings - 395 MVA/525 MVA (1653A/2197A)

**Projected In-Service:** 12/31/2021

**Supplemental Project ID:** s2278

**Project Status:** Engineering

**Model:** 2025 RTEP



# Revision History

9/10/2020 – V1 – Added local plan for S2778