

Transmission Expansion Advisory Committee – PSE&G Supplemental Projects

March 5th, 2024

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



PSE&G Transmission Zone M-3 Process Newark Bay Cogen

Need Number: PSEG-2023-0010

Process Stage: Solutions Meeting 3/5/2024

Previously Presented: Need Meeting 10/31/2023

Supplemental Project Driver:

- Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

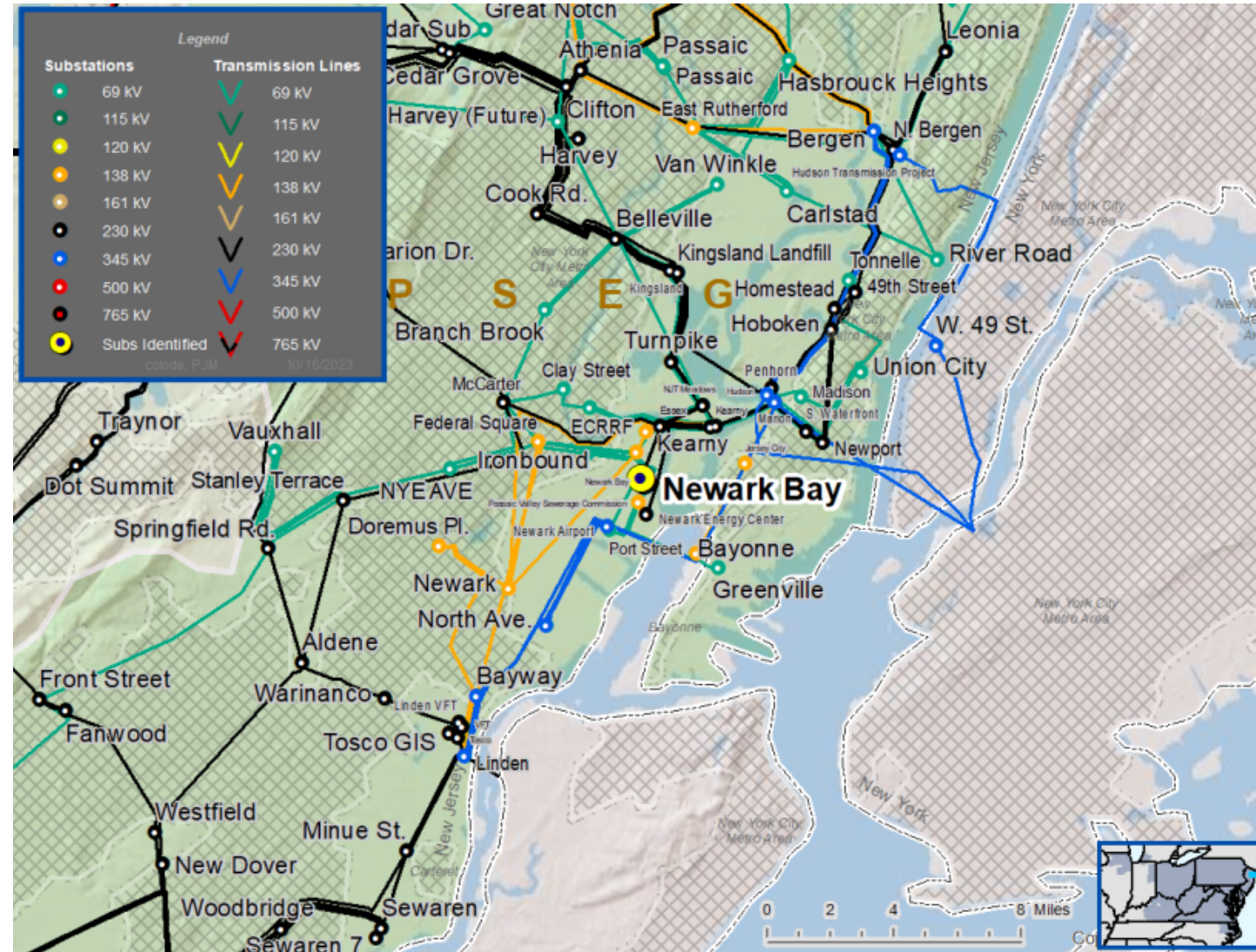
[PSE&G 2023 Annual Assumptions](#)

- Equipment Criticality, Consequence of Failure

Problem Statement:

A high pressure fluid-filled transmission circuit constructed as a dedicated feed to a cogeneration facility to allow for generation export is now subject to obsolescence due to the retirement of the cogeneration facility. The high pressure fluid-filled transmission circuit currently provides no transmission system benefit and presents potential environmental impact risks.

Model: 2023 Series 2028 Summer RTEP 50/50





PSE&G Transmission Zone M-3 Process Newark Bay Cogen

Need Number: PSEG-2023-0010

Process Stage: Solutions Meeting 3/5/2024

Proposed Solution:

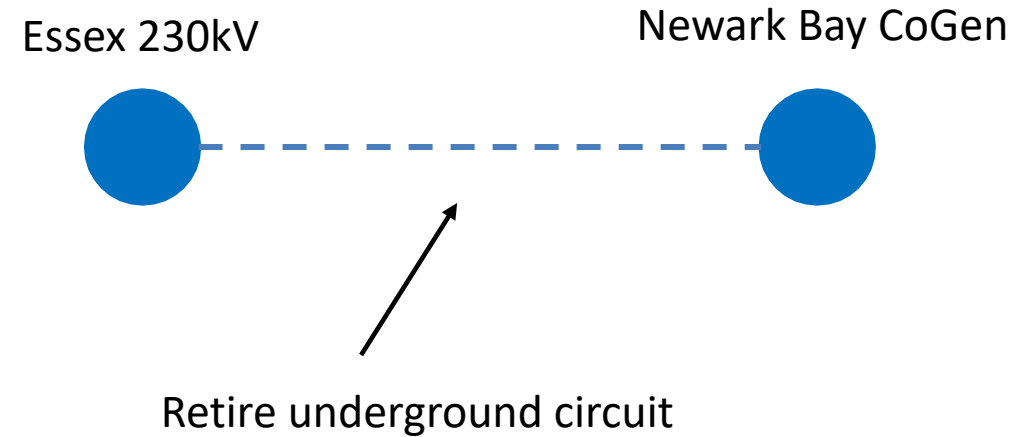
- Retire the Essex Switch to Newark Bay Cogen circuit (J-2210) assets
 - Remove circuit assets (i.e., cable, fluid, and station equipment)
 - Abandon pipe/conduit and manhole system
- **Estimated Cost:** \$2M

Alternative Considered:

- Although consideration given to maintaining the pipe/conduit and manhole system for future use, no future use was identified that would justify incurring inspection safety risks and financial expense to preserve these assets.
 - Remove circuit assets (i.e., cable fluid, fluid, and station equipment)
 - Estimated cost: \$1.7M
 - Maintain pipe/conduit and manhole system.
 - Estimated cost: \$200k to preserve and 10k annually.

Projected In-Service: October 2024

Project Status: Conceptual



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

02/23/2023 - V1 – Original version posted to pjm.com