SRRTEP Committee: Mid-Atlantic PSE&G Supplemental Projects

August 17th, 2023

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 East Rutherford Area

Need Number: PSEG-2023-0008

Process Stage: Solutions Meeting 08/17/2023
Previously Presented: Need Meeting 07/20/2023

Supplemental Project Driver:

Customer Service

Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

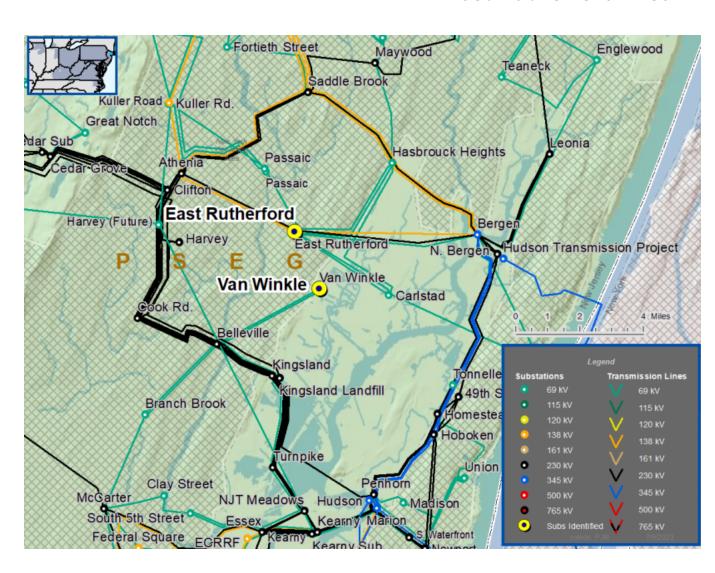
PSE&G 2023 Annual Assumptions

- Localized Load Growth & Contingency Overloads
- Equipment Reliability and Condition Assessment

Problem Statement:

- East Rutherford is a station in the Bergen county area with no additional station capacity.
 - East Rutherford serves over 17,600 customers with a peak load of over 70.9MVA in 2021.
 - The actual station capacity is 62.5MVA. Contingency overload is 113%.
- The Van Winkle Substation building is over 80 years old, is in poor condition, and is not in compliance with today's NJ UCC requirements.
 - Van Winkle serves over 5,400 customers.

Model: 2021 Series 2026 Summer RTEP 50/50







Need Number: PSEG-2023-0008

Process Stage: Solutions Meeting 08/17/2023

Proposed Solution:

Upgrade Van Winkle to a 69-13kV substation.

 To ensure continuity of service, the project requires a temporary 69kV contingency during the construction sequence.

Remove existing transformers and associated equipment at Van Winkle.

Install two (2) 69-13kV transformers and associated equipment.

Estimated Cost: \$32.5M

Alternative Considered:

Upgrade Van Winkle to a 69-13-4kV substation.

 To ensure continuity of service, the project requires a temporary 69kV contingency during the construction sequence.

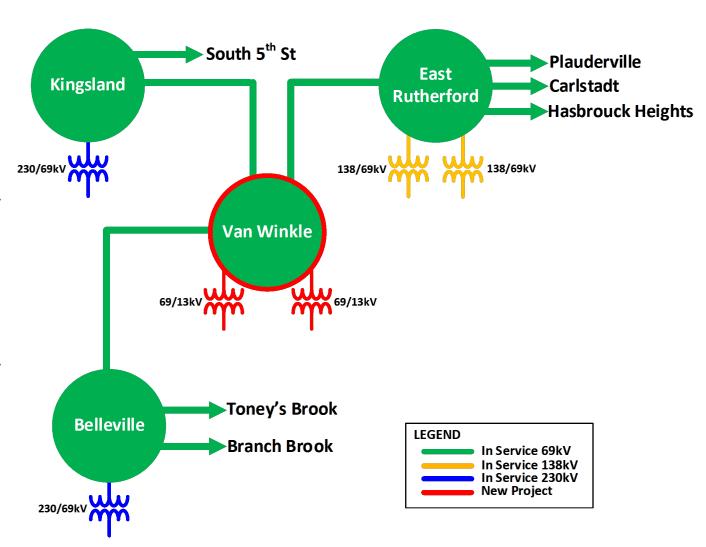
Remove existing transformers and associated equipment at Van Winkle.

Install three (3) 69-13-4kV transformers and associated equipment.

Estimated Cost: \$50.5M

Projected In-Service: 06/2027

Project Status: Conceptual



Appendix

High level M-3 Meeting Schedule

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Assumptions	Activity	Timing
р	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	Activity	Timing
Supplemental	Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Projects & Local	Post selected solution(s)	Following completion of DNH analysis
Plan	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

8/7/2023 – V1 – Original version posted to pjm.com