

SRRTEP Committee: Mid-Atlantic PSE&G Supplemental Projects

March 13th, 2025

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: PSEG-2024-0007

Process Stage: Solution Meeting SRTEP-MA -
03/13/2025

Previously Presented: Need Meeting 12/12/2024

Project Driver: Customer Service

Specific Assumption References:

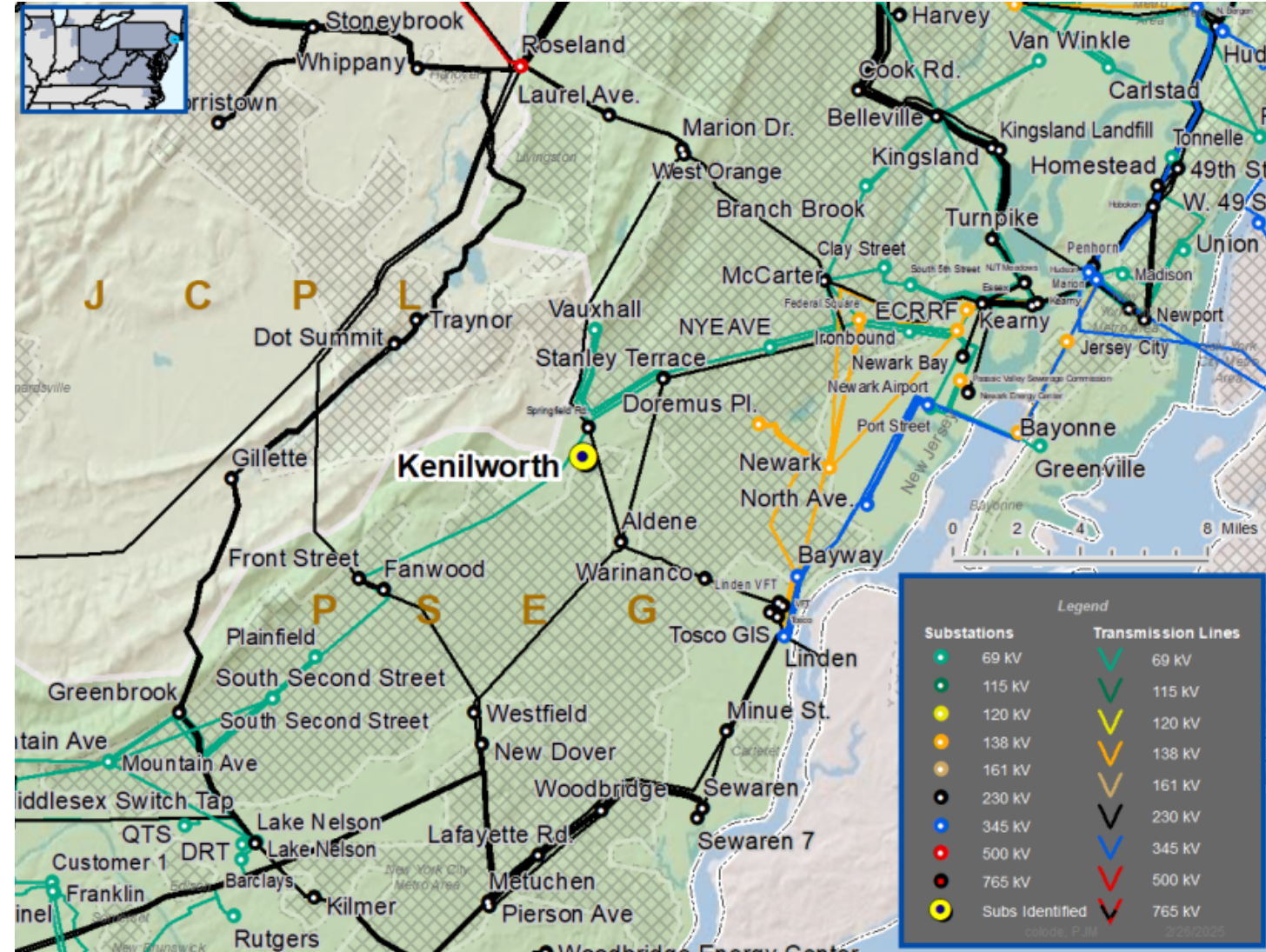
PSE&G 2024 Annual Assumptions

Customer Substations

Problem Statement:

A data center developer has submitted a request for a new 69kV interconnection point to serve a large single customer load in the Kenilworth area with a total load of 60 MW. Requested in-service date is 06/2026.

Initial In-Service Load – 43 MW
Projected 2029 Load – 60 MW





PSE&G Transmission Zone M-3 Process Kenilworth Data Center, NJ

Need number(s): PSEG-2024-0007

Process Stage: Solution Meeting SRRTEP-MA - 03/13/2025

Proposed Solution:

- Cut and loop the 69kV (prior approved) line from Roselle to Galloping Hill into the customer's new substation. (Station In-Service date 06/2026)
- Construct a new 69kV circuit from the new customer substation to Stanley Terrace substation. (New circuit in-service date 06/2029)
- Install cap bank at Roselle, Galloping Hill, and customer substation.

Estimated Cost: \$66.8M

Alternatives Considered:

Cut & loop the Springfield Road to Vauxhall 69kV line into the customer's substation.

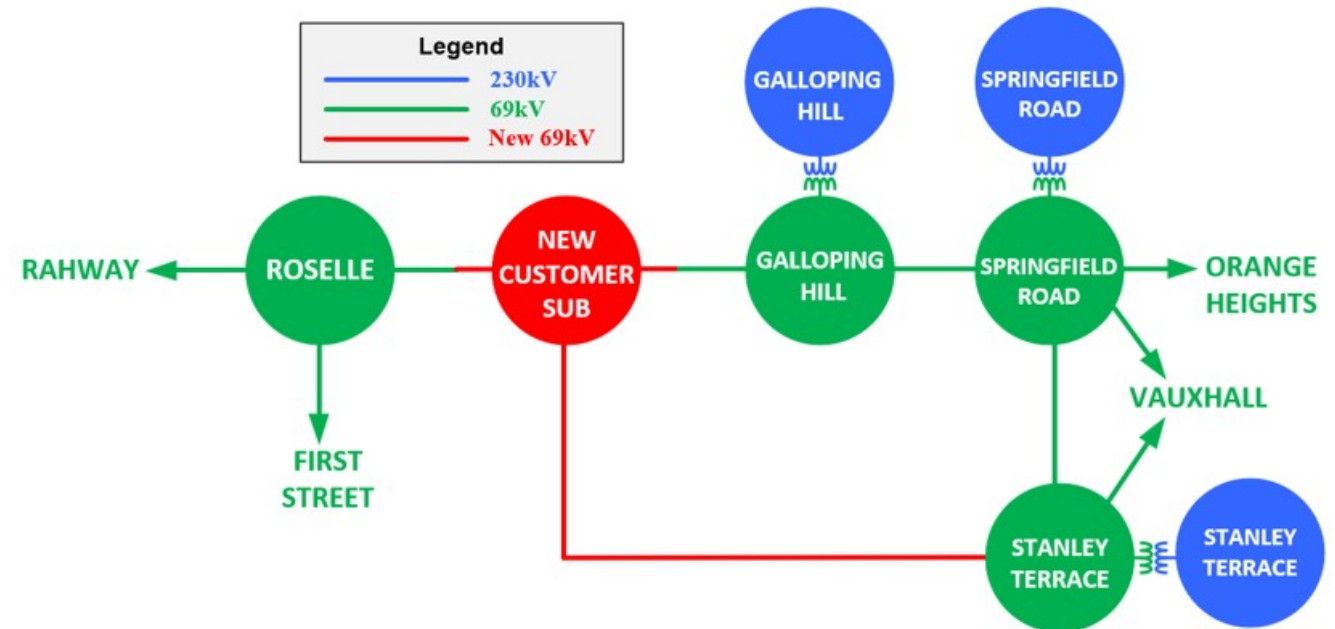
Construct a new 69kV circuit from the new customer substation to Stanley Terrace substation.

Install cap bank at customer substation.

Estimated Cost: \$72.2M

Projected In-Service: 06/01/2029

Project Status: Conceptual



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

3/x/2025 – V1 – Original version posted to pjm.com