

Transmission Expansion Advisory Committee – PSE&G Supplemental Projects

July 11, 2023

Needs

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 Perth Amboy Area

Need Number: PSEG-2023-0007

Process Stage: Need Meeting 7/11/2023

Supplemental Project Driver:

- Customer Service
- Equipment Material Condition, Performance and Risk

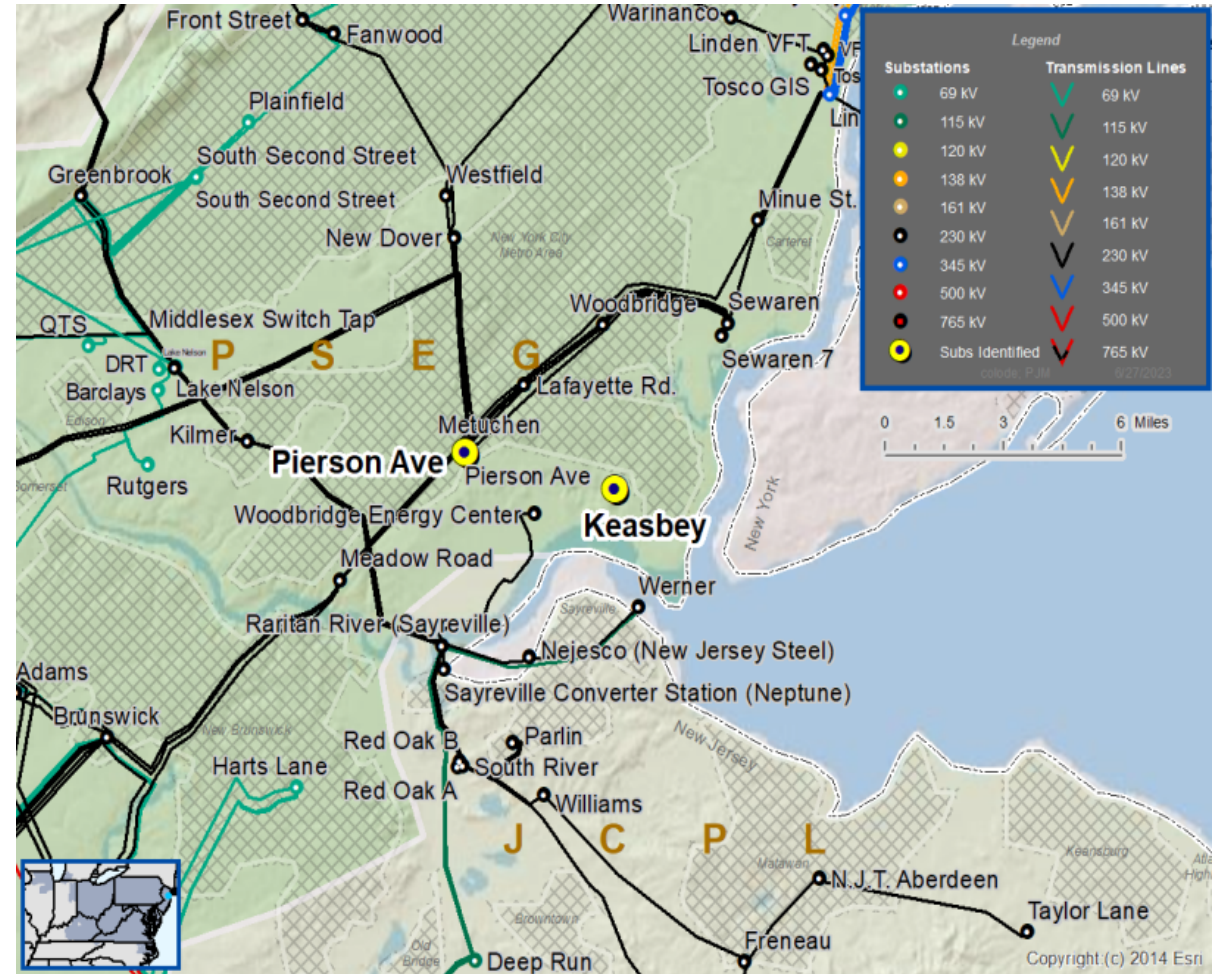
Specific Assumption Reference:

[PSE&G 2023 Annual Assumptions](#)

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

Problem Statement:

- Pierson Ave. Substation is a station in the Perth Amboy area with no additional station capacity.
 - Pierson Ave. serves over 14,600 customers with a peak load of over 75.42 MVA in 2021.
 - The actual station capacity is 61.17MVA. Contingency overload is 123.3%.
- Keasbey substation is a station in the Perth Amboy Area with equipment and building condition issues.
 - Station equipment at Keasbey is in poor condition and will need to be addressed.
 - Keasbey Substation building is nearly 100 years old, is in poor condition, and is not in compliance with today's NJ UCC requirements.
 - Keasbey serves over 5,600 customers
- **Model:** 2022 Series 2027 Summer RTEP 50/50



PSE&G Transmission Zone M-3 Process South Edison Area

Need Number: PSEG-2023-0006

Process Stage: Need Meeting 7/11/2023

Supplemental Project Driver:

- Customer Service

Specific Assumption Reference:

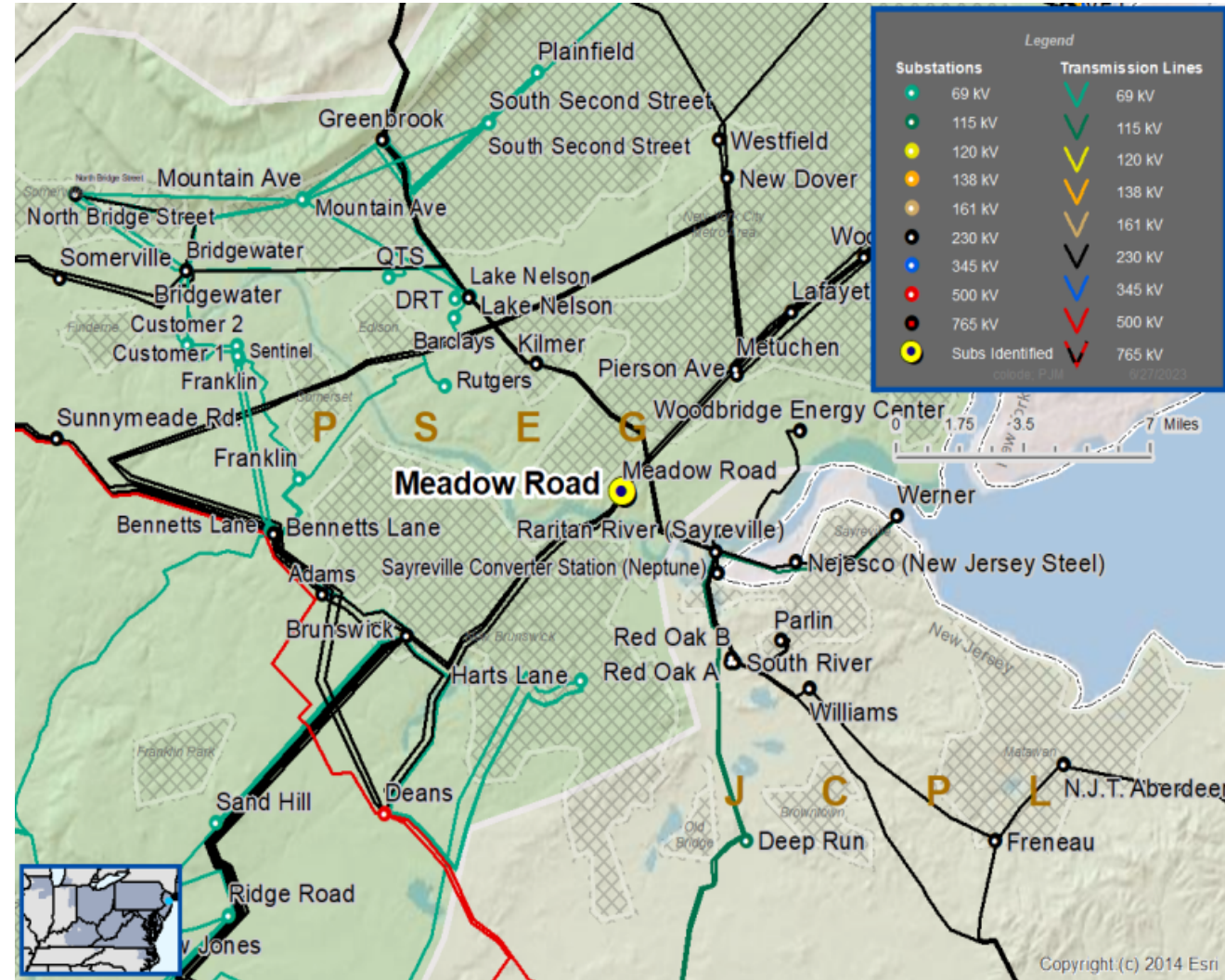
[PSE&G 2023 Annual Assumptions](#)

- Localized Load Growth & Contingency Overloads

Problem Statement:

- Meadow Road Substation is a station in the Edison area with no additional station capacity.
 - Meadow Road serves over 14,000 customers with a peak load of over 73.9 MVA in 2022.
 - The actual station capacity is 59.4 MVA. Contingency overload is 124%.

Model: 2022 Series 2027 Summer RTEP 50/50



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

6/30/2023 - V1 – Original version posted to pjm.com