



Sub Regional RTEP Committee PJM Mid-Atlantic PSEG

February 22, 2019

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-2019-0001

Need Presented: 1/25/2019

Meeting Date: 2/22/2019

Process Stage: Solution Meeting

Project Drivers:

Customer Service

Problem Statement:

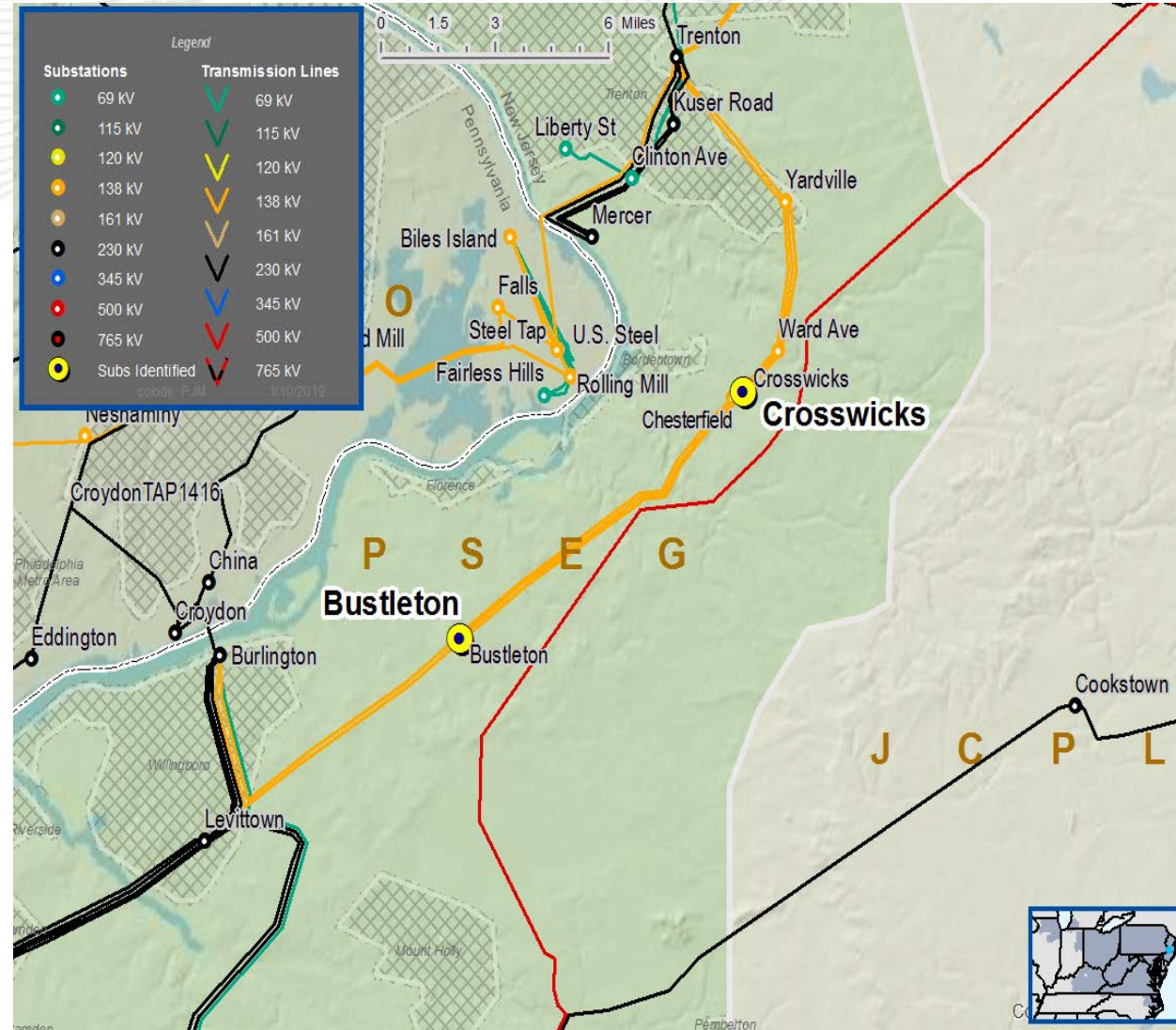
Crosswicks and Bustleton are stations at capacity. There is a need for additional capacity in the area.

- Crosswicks serves roughly 14,900 customer and projected load of 66 MVA in 2024.
- Bustleton serves roughly 16,400 customers and projected load of 77 MVA in 2024.
- Station capacity for each station is 60 MVA.

Specific Assumption References:

[PSE&G 2019 Annual Assumptions](#)

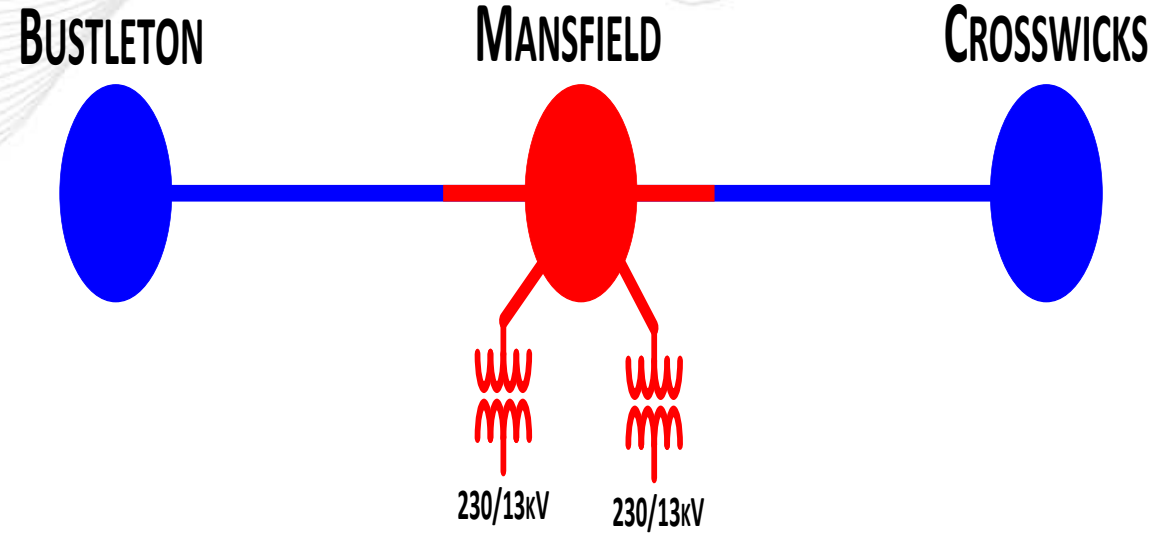
- Localized Load Growth & Contingency Overloads



Need Number: PSEG-2019-0001

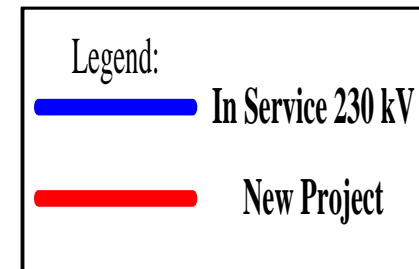
Proposed Solution:

- New 230kV Substation in Mansfield
 - Install a 230kV bus with two (2) 230/13kV transformers.
 - Cut and loop the Bustleton-Crosswicks 230kV line in to the 230kV bus.
 - Transfer load from nearby heavily loaded Bustleton and Crosswicks to the new station.
 - **Estimated Cost:** \$43M
 - **Projected In-Service Date:** 12/2023



TO Alternatives Considered:

- Alternative 1 – New 230kV Substation near Newbold Island
 - Install a 230kV bus with two (2) 230/13kV transformers.
 - Extend Bustleton-Crosswicks 230kV line to station location.
 - Cut and loop the Bustleton-Crosswicks 230kV line in to the 230kV bus.
 - Transfer load from nearby heavily loaded Bustleton and Crosswicks to the new station.
 - **Estimated Cost:** \$72M



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

2/12/2019 – V1 – Original version posted to pjm.com

2/13/2019 – V2 - Slide #4 Need number updated