

# Sub Region RTEP Mid-Atlantic Committee ACE Supplemental Projects

September 14, 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

**Need Number: ACE-2022-002**

**Process Stage: Solution Meeting 9/14/23**

**Previously Presented: Need Meeting 9/15/22**

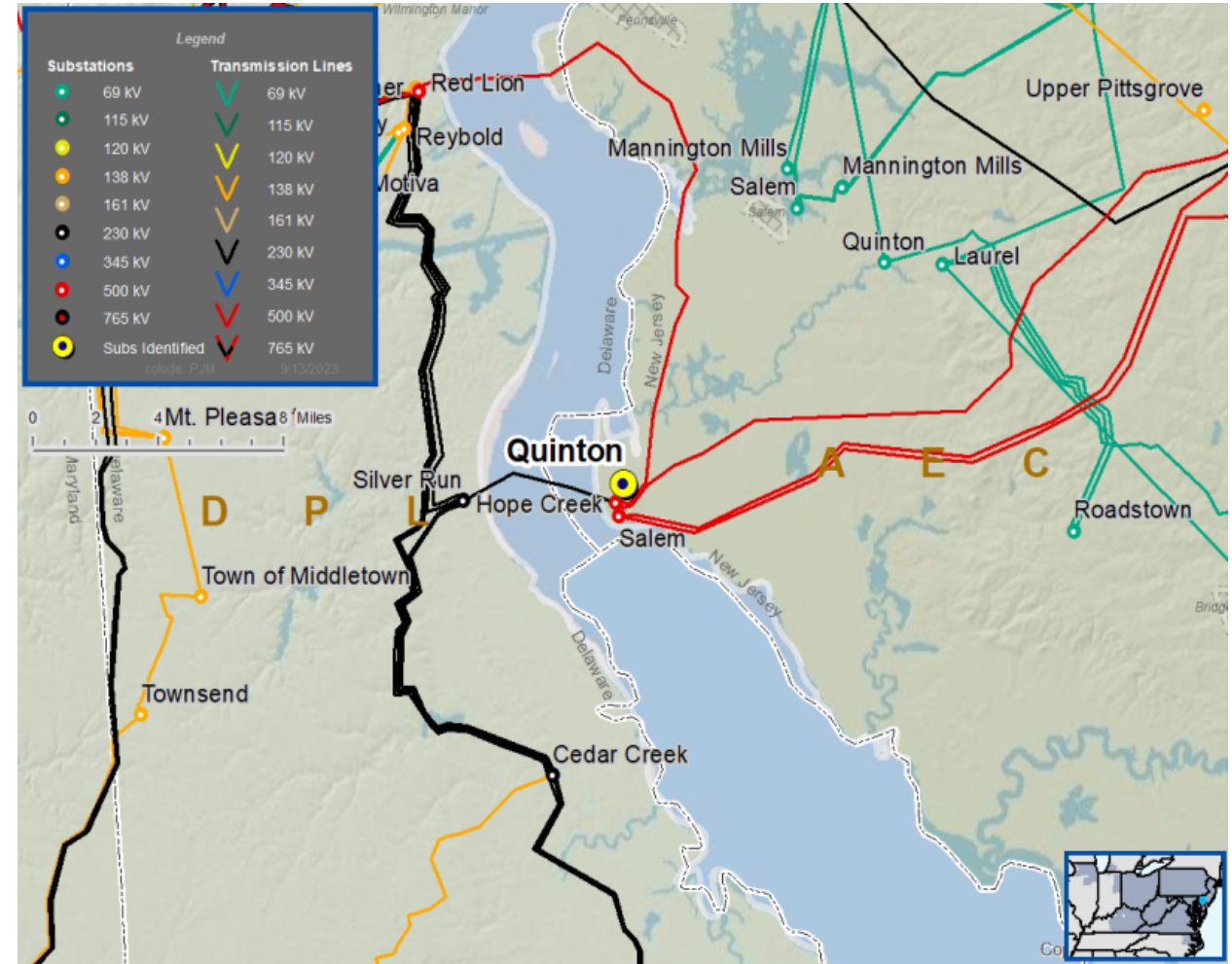
**Project Driver: Customer Service**

**Specific Assumption Reference:**

New transmission customer interconnections or modification to an existing customer

**Problem Statement:**

New customer is installing 32.5 MVA load in the Salem County, NJ area. Distribution infrastructure in the area cannot adequately accommodate this load.





M-3 Process  
ACE Transmission Zone  
Quinton New Customer Line

**Need Number:** ACE-2022-002

**Process Stage:** Solution Meeting 9/14/23

**Previously Presented:** Need Meeting 9/15/22

**Proposed Solution:**

- Install a new 69 kV terminal position at Quinton substation
- Install new 11 mile 69kV line to provide service to the customer

**Estimated cost:** \$4.6M

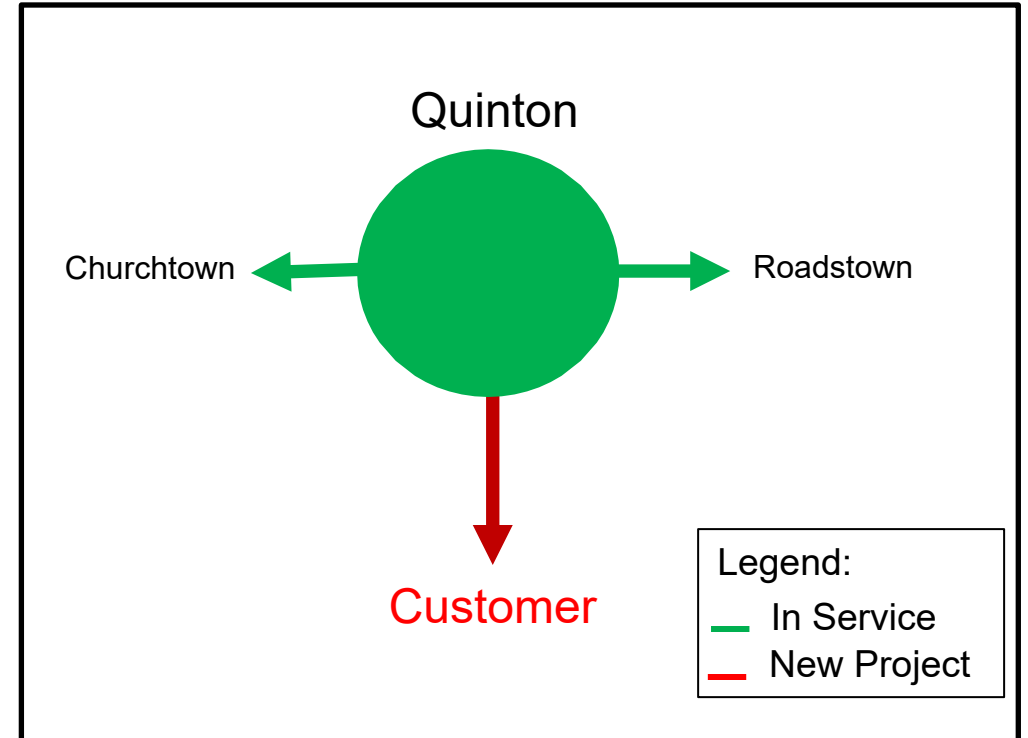
**Alternatives Considered:**

- Construct a new 12kV express feeder from the Quinton substation
  - Express feeder can supply only up to 9 MVA of load

**Projected In-Service:** 04/30/24

**Project Status:** Engineering

**Model:** 2027 RTEP



**Need Number: ACE-2022-009**

**Process Stage: Solution Meeting 9/14/2023**

**Previously Presented: Need Meeting 8/18/2022**

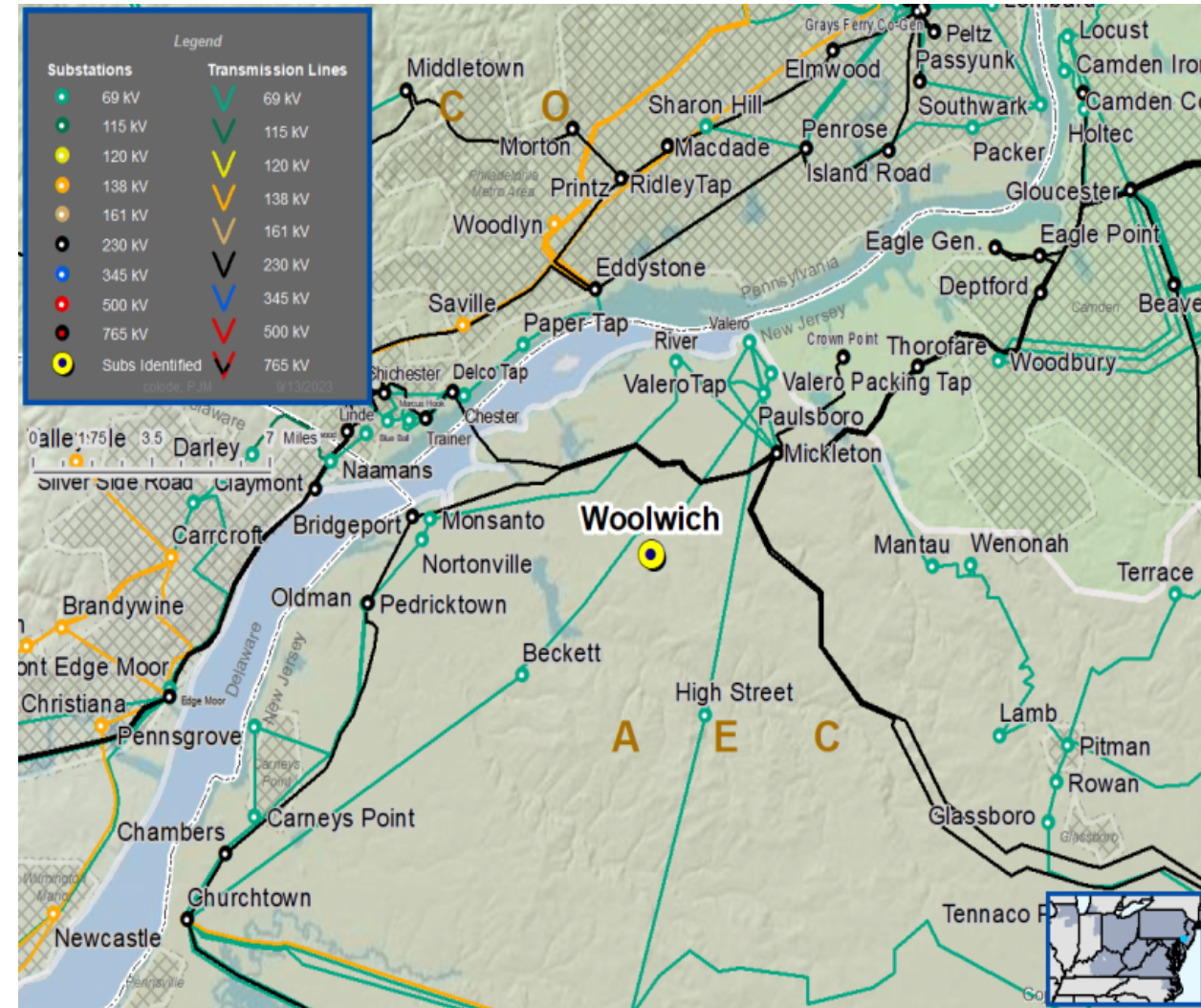
**Project Driver: Customer Service**

### Specific Assumption Reference:

- Transmission System configuration changes due to new or expansion of existing distribution substations

### Problem Statement:

- ACE's existing distribution system is unable to serve the growing distribution customer load of 35 MVA in the Logan area





# ACE Transmission Zone M-3 Process New 69kV Woolwich Substation

**Need Number: ACE-2022-009**

**Process Stage:** Solution Meeting 9/14/2023

**Proposed Solution:**

- Construct new six (6) breaker 69 kV ring bus substation by cutting into Paulsboro – Beckett line
- Install a 30 MVAR Cap bank at Woolwich Substation
- Install 2 new 69/12 kV 40MVA transformers to address the growing distribution load in the area

**Estimated cost:** \$18M

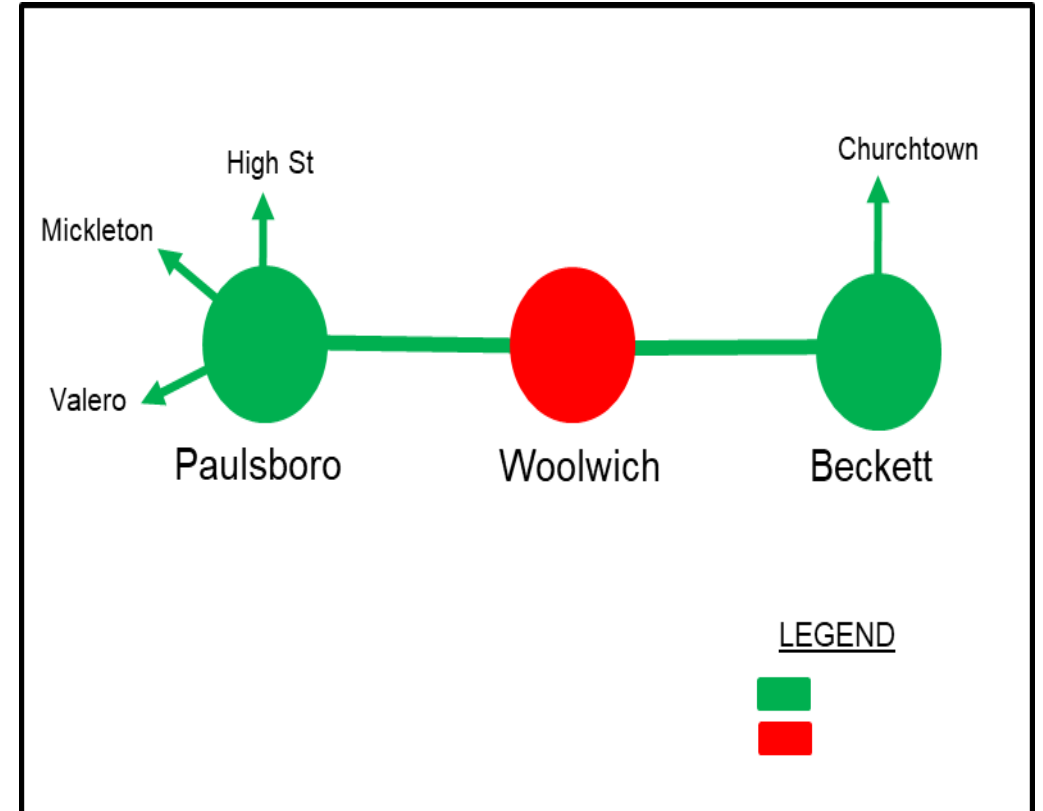
**Alternatives Considered:**

- Install second transformer at Nortonville substation
  - Second transformer doesn't physically fit within the available space in the substation

**Projected In-Service:** 1/31/2028

**Project Status:** Engineering

**Model:** 2027 RTEP



# 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

9/1/2022 – V1 – Original version posted to pjm.com

9/13/2022 – V1 – Updated map on slide #3 and 5