Subregional RTEP Committee – Mid-Atlantic
FirstEnergy Supplemental Projects

July 16, 2020

Solution

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

JCP&L Transmission Zone M-3 Process
Morris Park – Phillipsburg 34.5 kV

Need Number: JCPL-2020-002

Process Stage: Solutions Meeting 7/16/2020

Previously Presented: Need Meeting 6/16/2020

Project Driver:

Customer Service

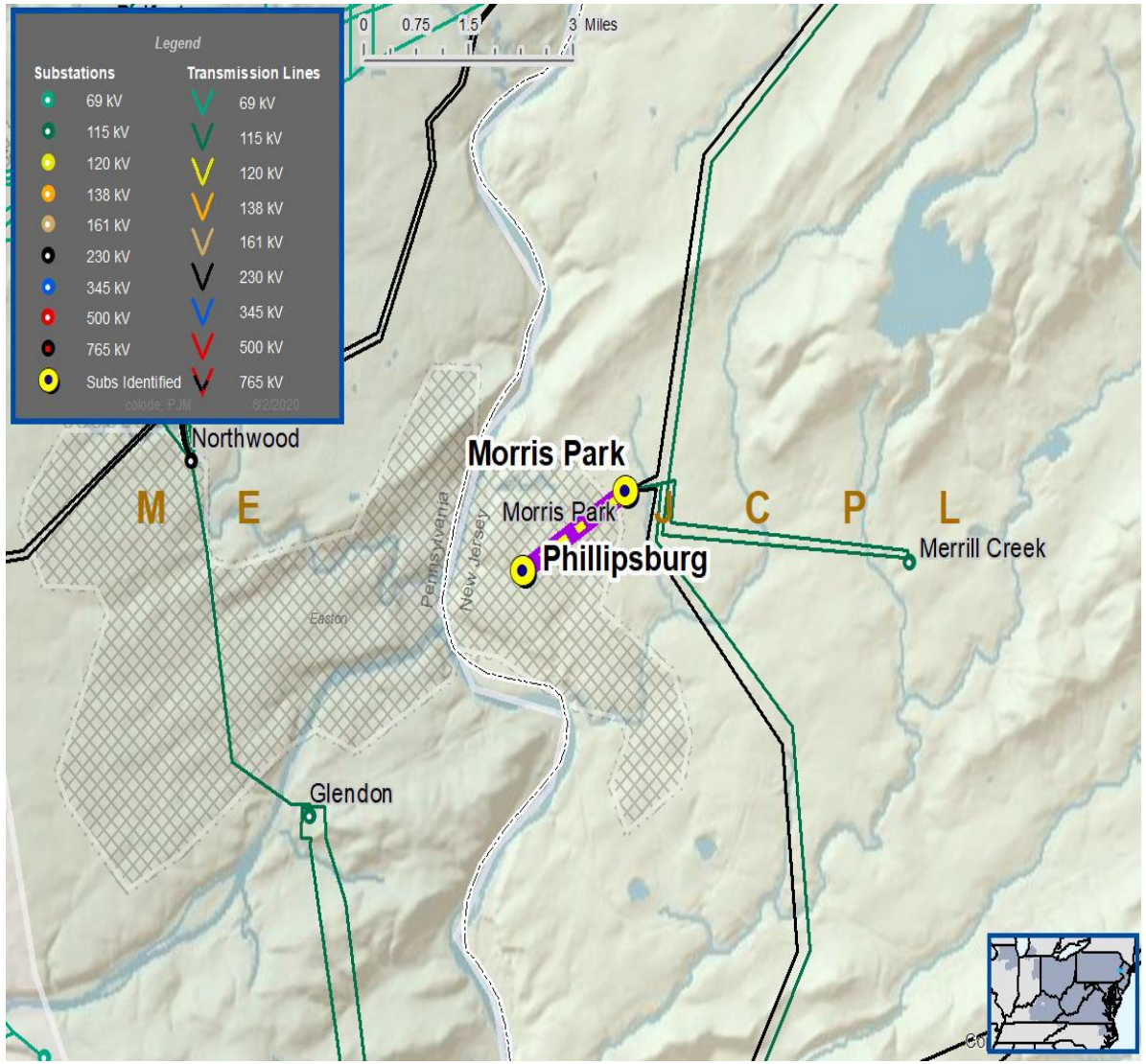
Specific Assumption Reference:

New customer connection request will be evaluated per FirstEnergy's "Requirements for Transmission Connected Facilities" document and "Transmission Planning Criteria" document.

Problem Statement:

New Customer Connection – A customer requested 34.5 kV service, anticipated load is 7 MW, location is near the Morris Park – Phillipsburg 34.5 kV line.

Requested in-service date is July 2020.



JCP&L Transmission Zone M-3 Process
Morris Park – Phillipsburg 34.5 kV

Need Number: JCPL-2020-002

Process Stage: Solutions Meeting 7/16/2020

Proposed Solution:

- Tap the Morris Park-Phillipsburg 34.5 kV line approximately 1.2 miles from Phillipsburg substation and build a 34.5 kV line one span toward the proposed customer substation.
- Disconnect the out-of-service customer owned 34.5 kV double circuit lines and jumper the 34.5 kV line at the tap location.
- Install two (2) 34.5 kV in-line switches on either side of the new customer tap connection
- Install one (1) 34.5 kV in-line switch on the line extension towards the customer substation

Estimated Project Cost: $0.4M

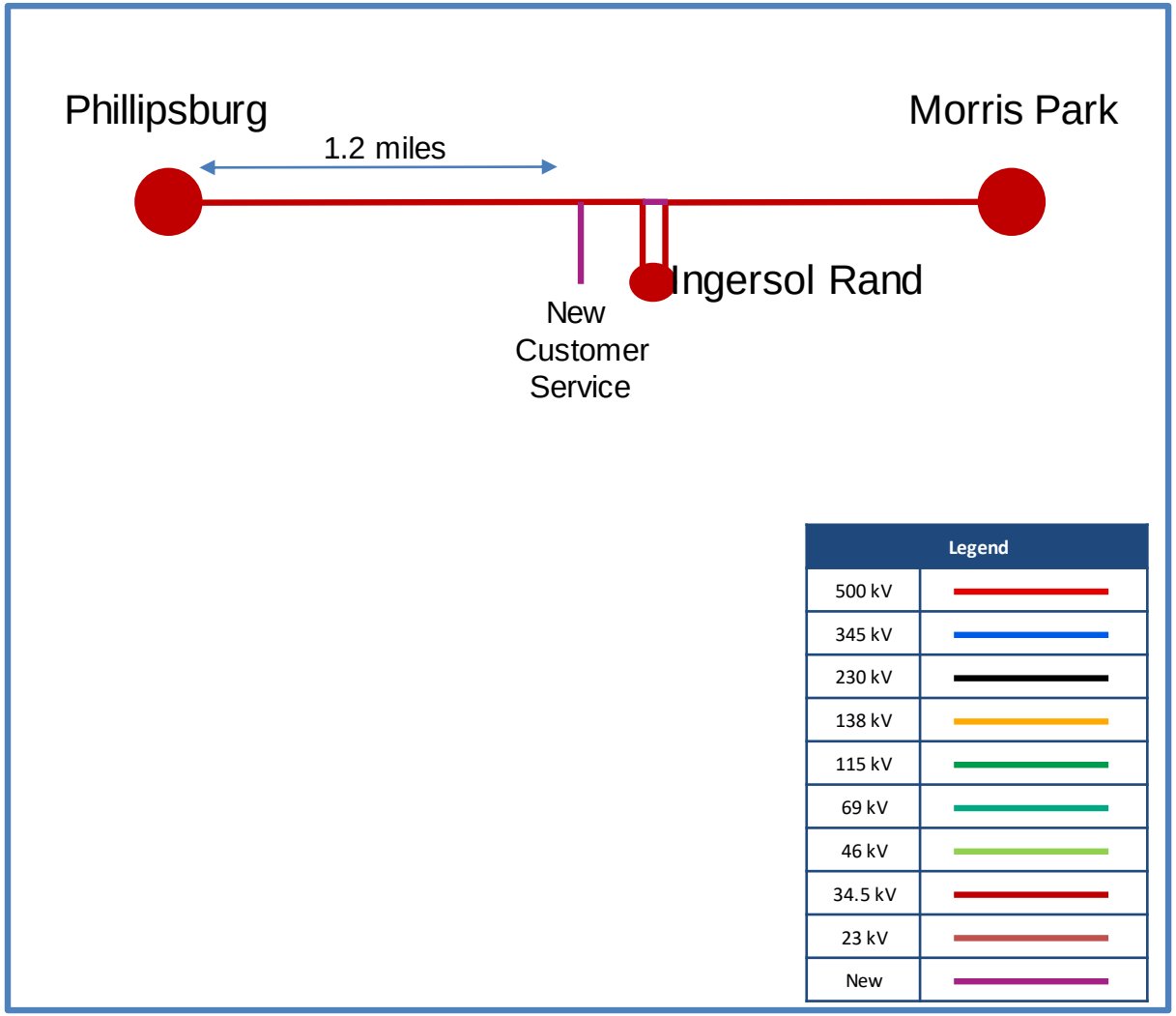
Alternatives Considered:

- N/A

Projected In-Service: 7/31/2020

Project Status: Engineering

Model: 2019 Series 2024 Summer RTEP 50/50



JCP&L Transmission Zone M-3 Process
Larrabee – Point Pleasant 34.5 kV

Need Number: JCPL-2020-003

Process Stage: Solutions Meeting 7/16/2020

Previously Presented: Need Meeting 6/16/2020

Project Driver:

Customer Service

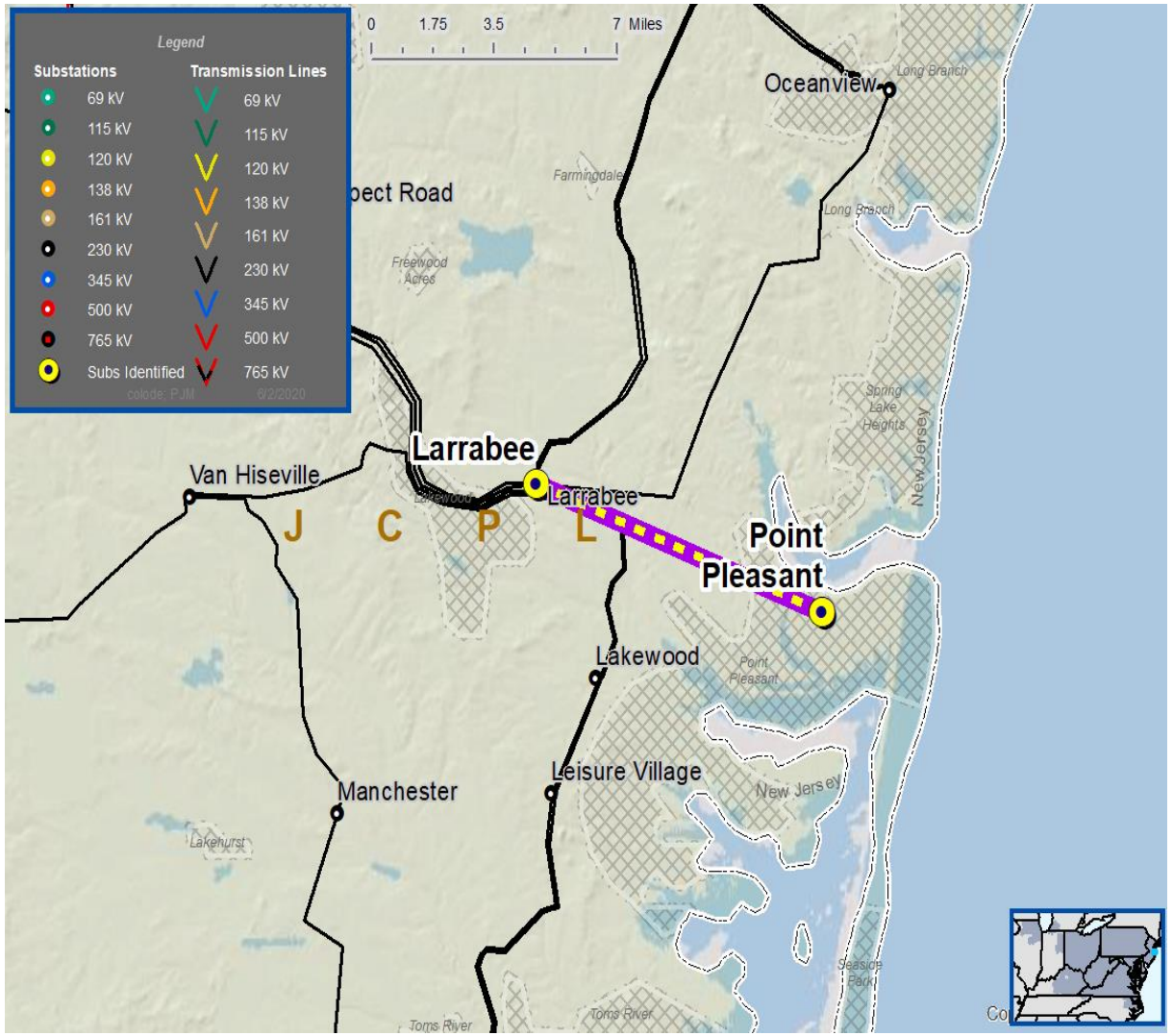
Specific Assumption Reference:

New customer connection request will be evaluated per FirstEnergy's "Requirements for Transmission Connected Facilities" document and "Transmission Planning Criteria" document.

Problem Statement:

New Customer Connection – A customer requested 34.5 kV service, anticipated load is 4 MW, location is near the Larrabee – Point Pleasant 34.5 kV line.

Requested in-service date is September 2020.



JCP&L Transmission Zone M-3 Process
Larrabee – Point Pleasant 34.5 kV

Need Number: JCPL-2020-003

Process Stage: Solutions Meeting 7/16/2020

Proposed Solution:

- Tap the Larrabee-Point Pleasant 34.5 kV line approximately 4.5 miles from Larrabee substation and build a 34.5 kV line one span toward the proposed customer substation.
- Install two (2) 34.5 kV in-line switches on either side of the new customer tap connection
- Install one (1) 34.5 kV in-line switch on the line extension towards the customer substation

Estimated Project Cost: $0.4M

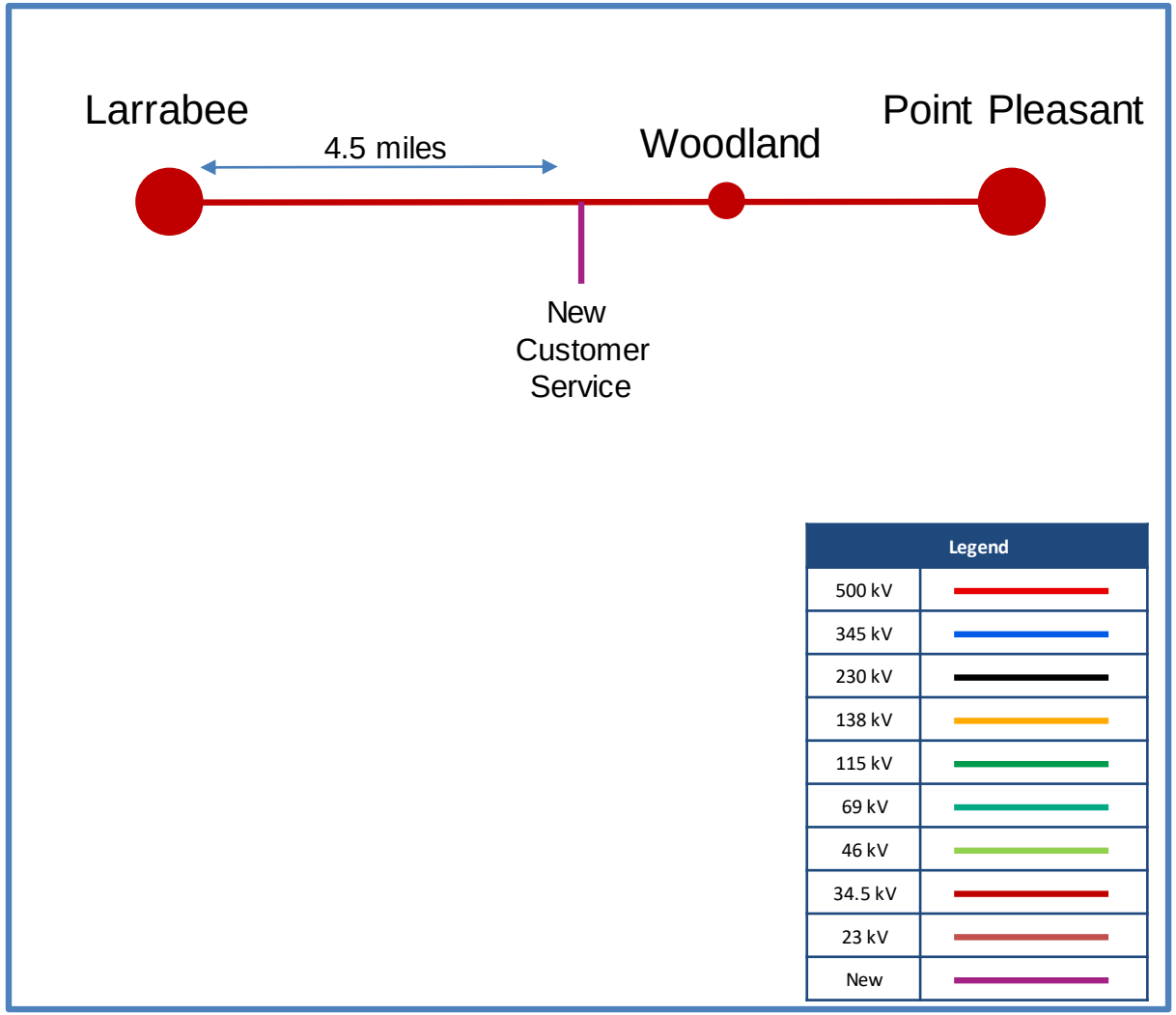
Alternatives Considered:

- N/A

Projected In-Service: 9/1/2020

Project Status: Engineering

Model: 2019 Series 2024 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

7/6/2020 – V1 – Original version posted to pjm.com