

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

September 10, 2020

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: JCPL-2020-006

Process Stage: Solutions Meeting 9/10/2020

Previously Presented: Need Meeting 8/13/2020

Project Driver:
Customer Service

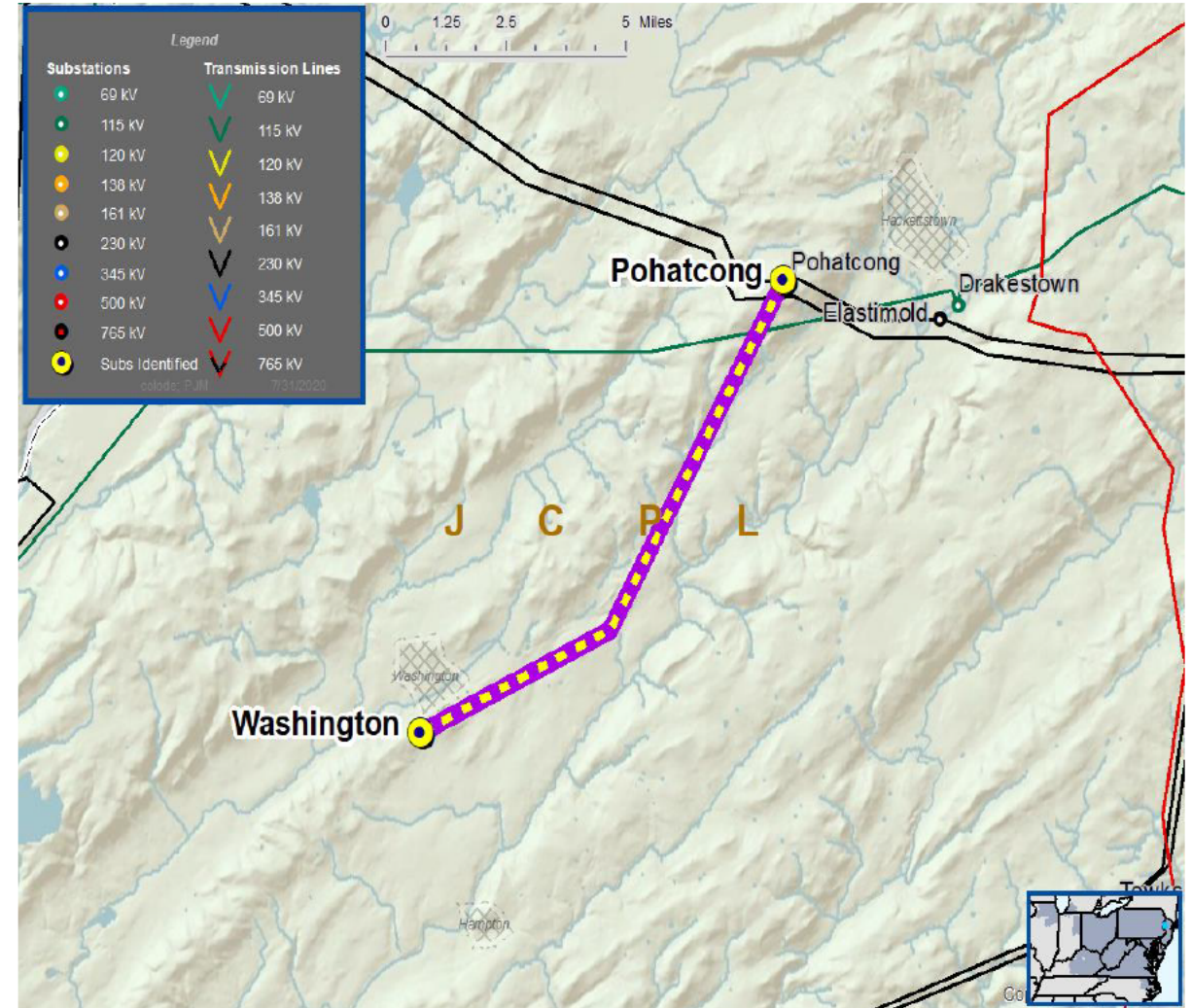
Specific Assumption Reference:

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 Temporary Connection – A customer requested temporary 34.5 kV service, anticipated load is 4 MW, location is near the Washington – Pohatcong 34.5 kV line.

Requested in-service date is September 2020.



Need Number: JCPL-2020-006

Process Stage: Solutions Meeting 9/10/2020

Proposed Solution:

- Tap the Washington – Pohatcong 34.5 kV line approximately 0.3 miles from Washington substation and build a 34.5 kV line one span toward the proposed customer temporary service substation.

Estimated Project Cost: \$0.1M

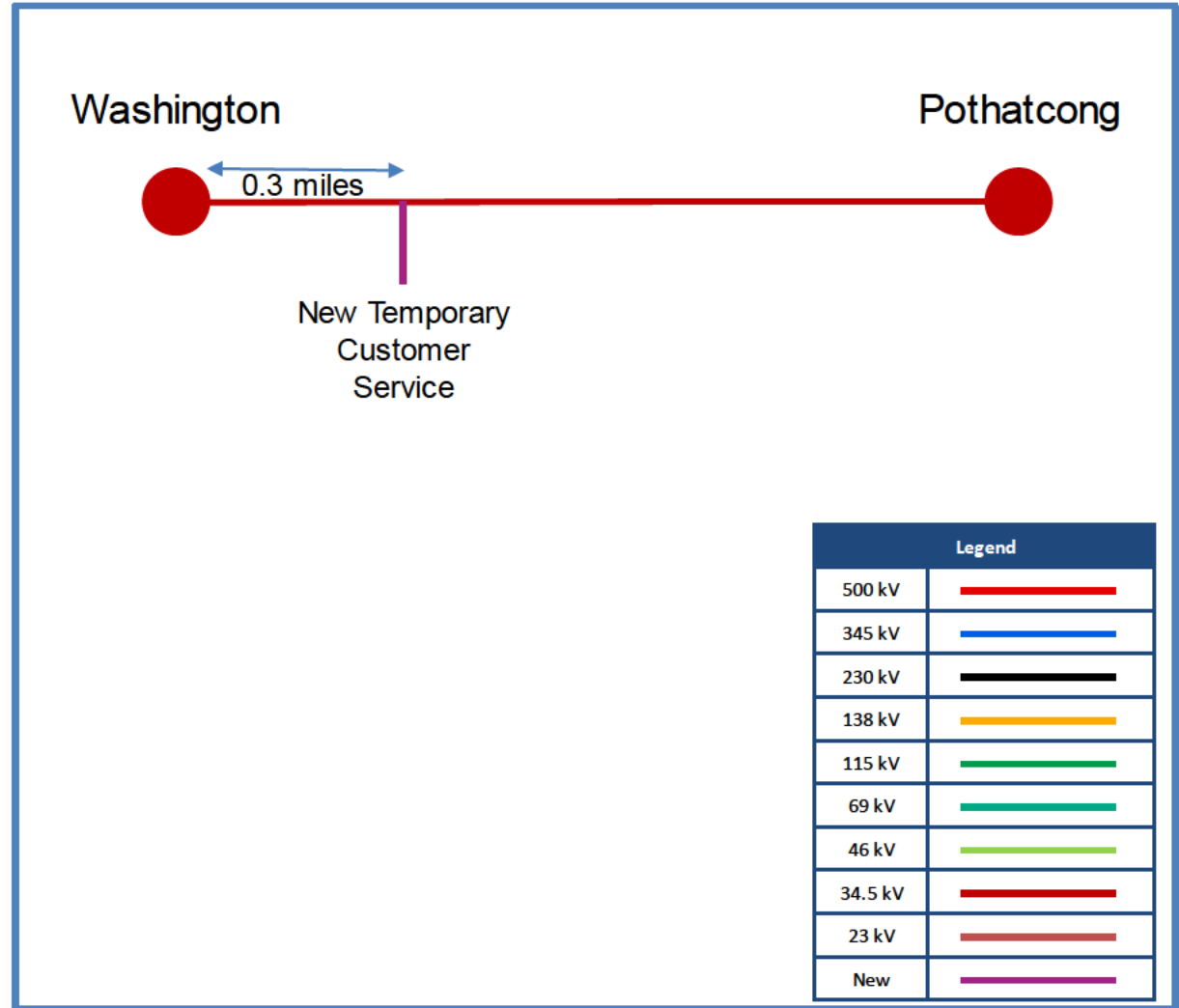
Alternatives Considered:

- N/A

Projected In-Service: 9/30/2020

Project Status: Construction

Model: 2019 Series 2024 Summer RTEP 50/50



Need Number: JCPL-2020-007

Process Stage: Solutions Meeting 9/10/2020

Previously Presented: Need Meeting 8/13/2020

Project Driver:

Customer Service

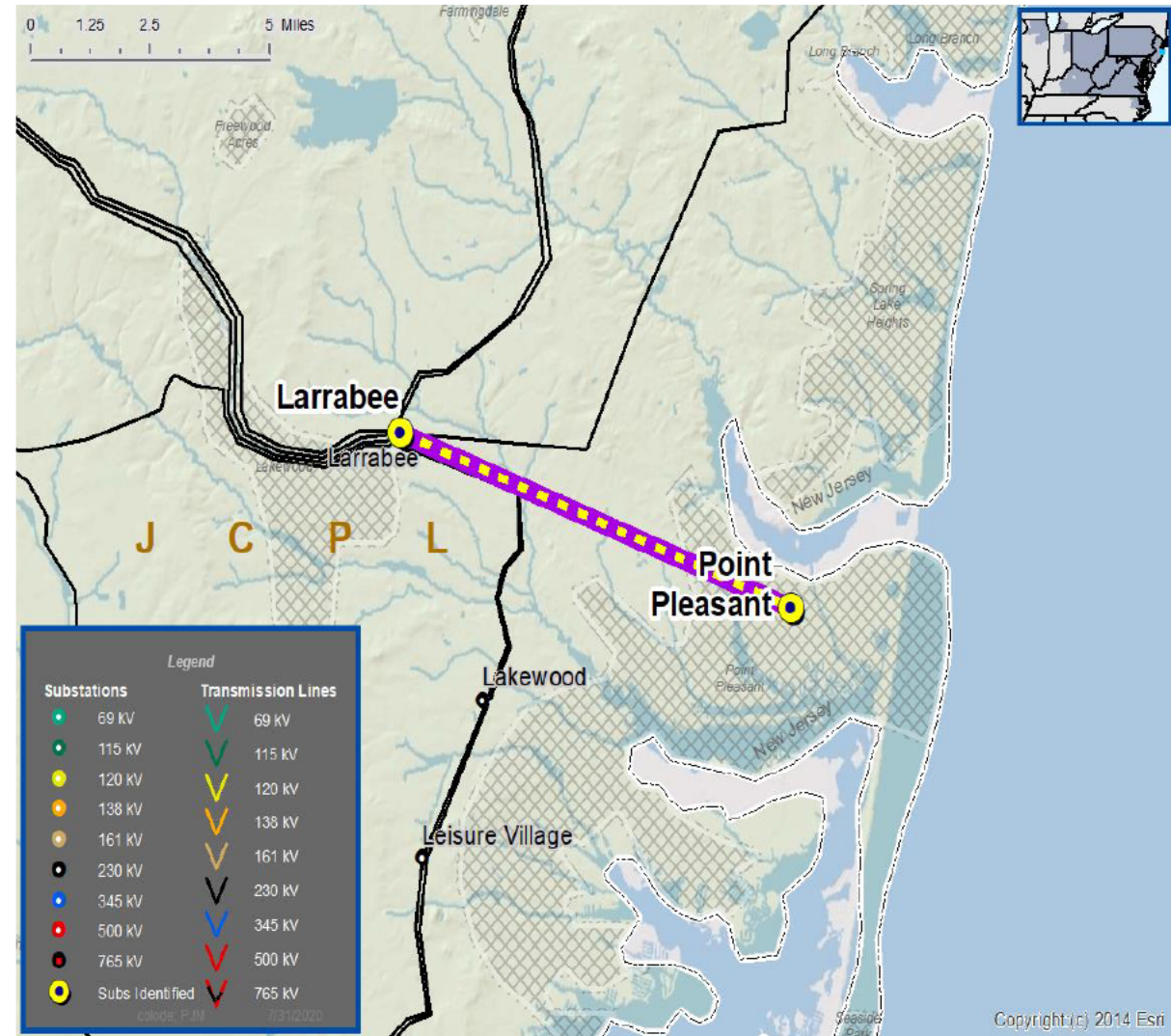
Specific Assumption Reference:

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 – An existing customer requested a second 34.5 kV service, anticipated load is 2 MW, location is near the Larrabee – Point Pleasant 34.5 kV line.

Requested in-service date is December 2020.



Need Number: JCPL-2020-007

Process Stage: Solutions Meeting 9/10/2020

Proposed Solution:

- Tap the Larrabee-Point Pleasant 34.5 kV line approximately 0.8 miles from Point Pleasant substation and build a 34.5 kV line one span toward the 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: \$0.3M

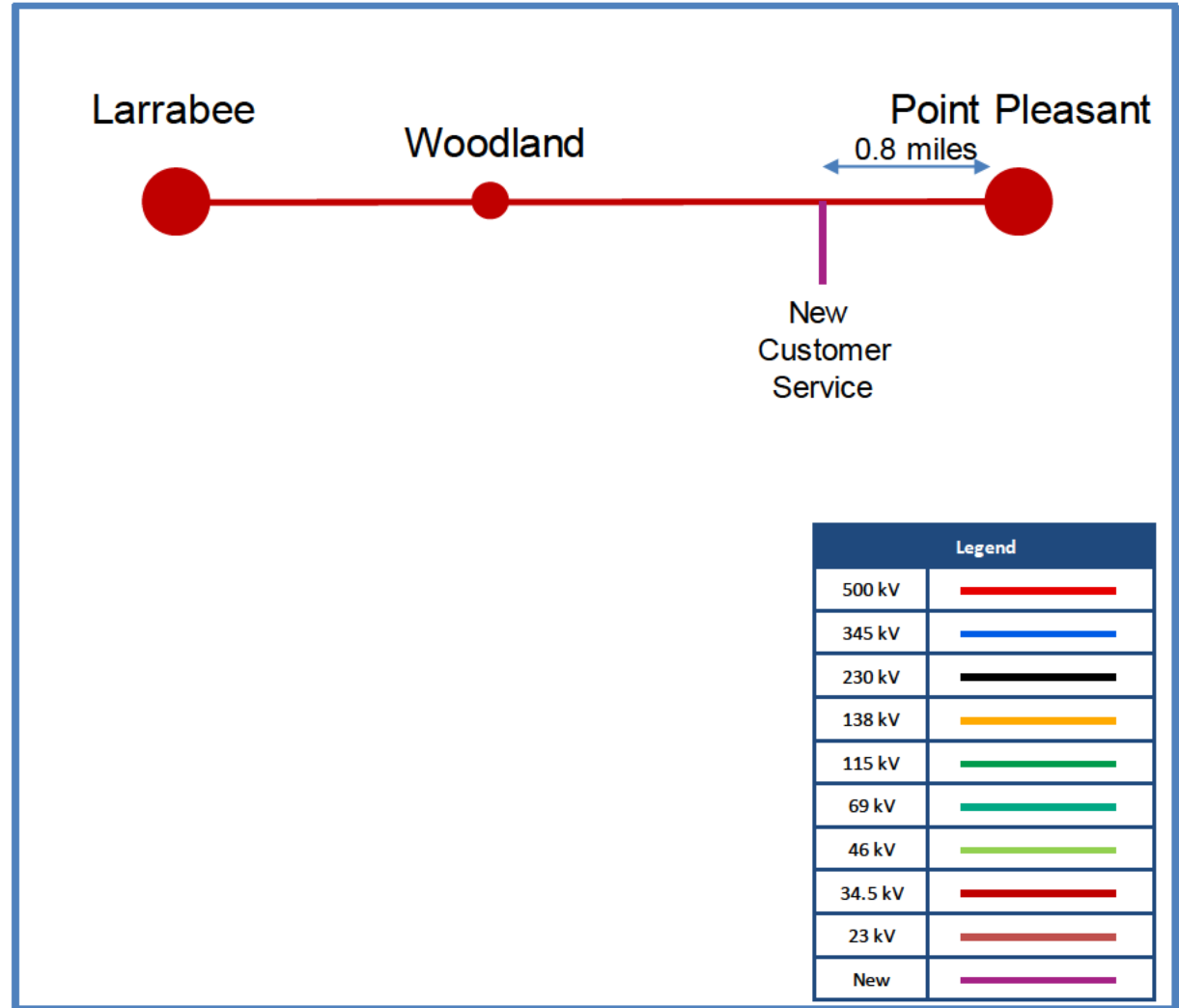
Alternatives Considered:

- N/A

Projected In-Service: 12/31/2020

Project Status: Conceptual

Model: 2019 Series 2024 Summer RTEP 50/50



Need Number: JCPL-2020-008

Process Stage: Solutions Meeting 9/10/2020

Previously Presented: Need Meeting 8/13/2020

Project Driver:

Customer Service

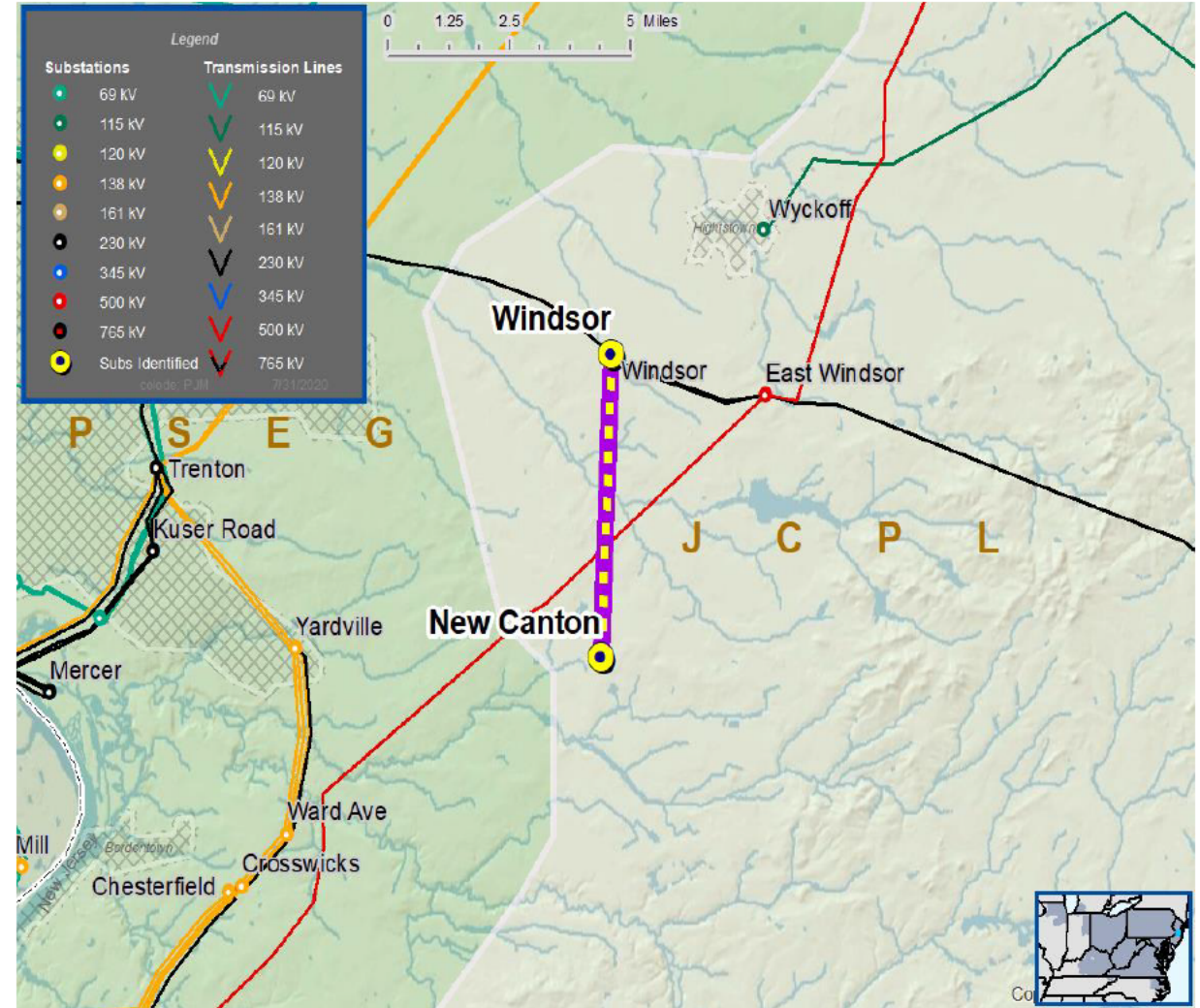
Specific Assumption Reference:

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 – An existing 12.5 kV customer requested 34.5 kV service, anticipated load is 1 MW with behind the meter generation (2.5 MW), location is near the Windsor – New Canton 34.5 kV line.

Requested in-service date is September 2020.



Need Number: JCPL-2020-008

Process Stage: Solutions Meeting 9/10/2020

Proposed Solution:

- Tap the Windsor-New Canton 34.5 kV line approximately 7.3 miles from Windsor substation and build a 34.5 kV line one span toward the proposed customer substation.
- Install one (1) 34.5 kV in-line switch on the line extension towards the customer substation

Estimated Project Cost: \$0.1M

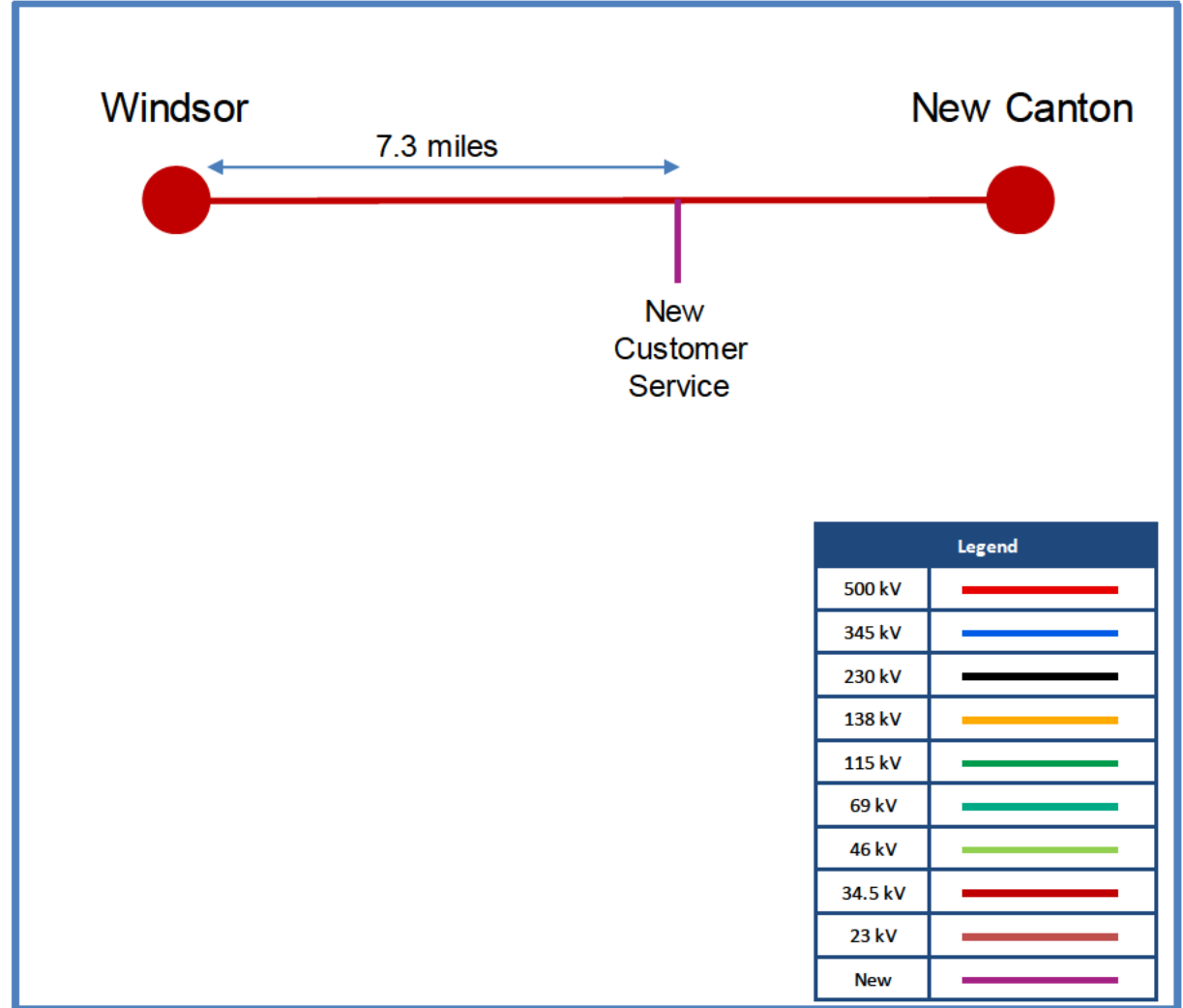
Alternatives Considered:

- N/A

Projected In-Service: 9/30/2020

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

8/31/2020 – V1 – Original version posted to pjm.com