

Subregional RTEP Committee – Western FirstEnergy Supplemental Projects

July 16, 2021

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

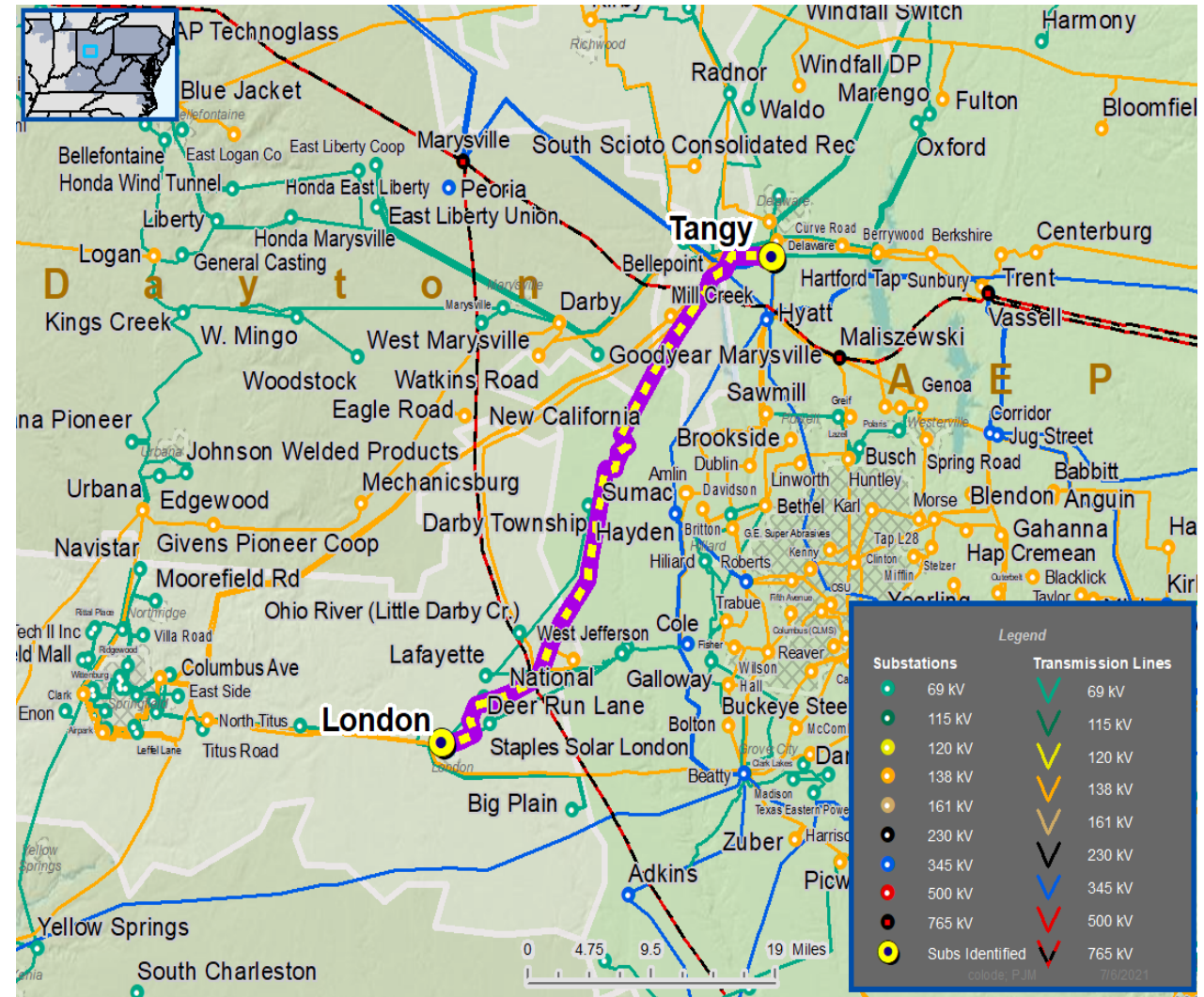
Need Number: ATSI-2021-017
Process Stage: Need Meeting – 07/16/2021

Supplemental Project Driver(s):
Customer Service

Specific Assumption Reference(s)
 Customer connection request evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.

Problem Statement
 New Customer Connection – A customer requested 138 kV transmission service for approximately 23 MVA of total load near the London-Tangy 138 kV line.

Requested In-Service Date: April 30, 2022



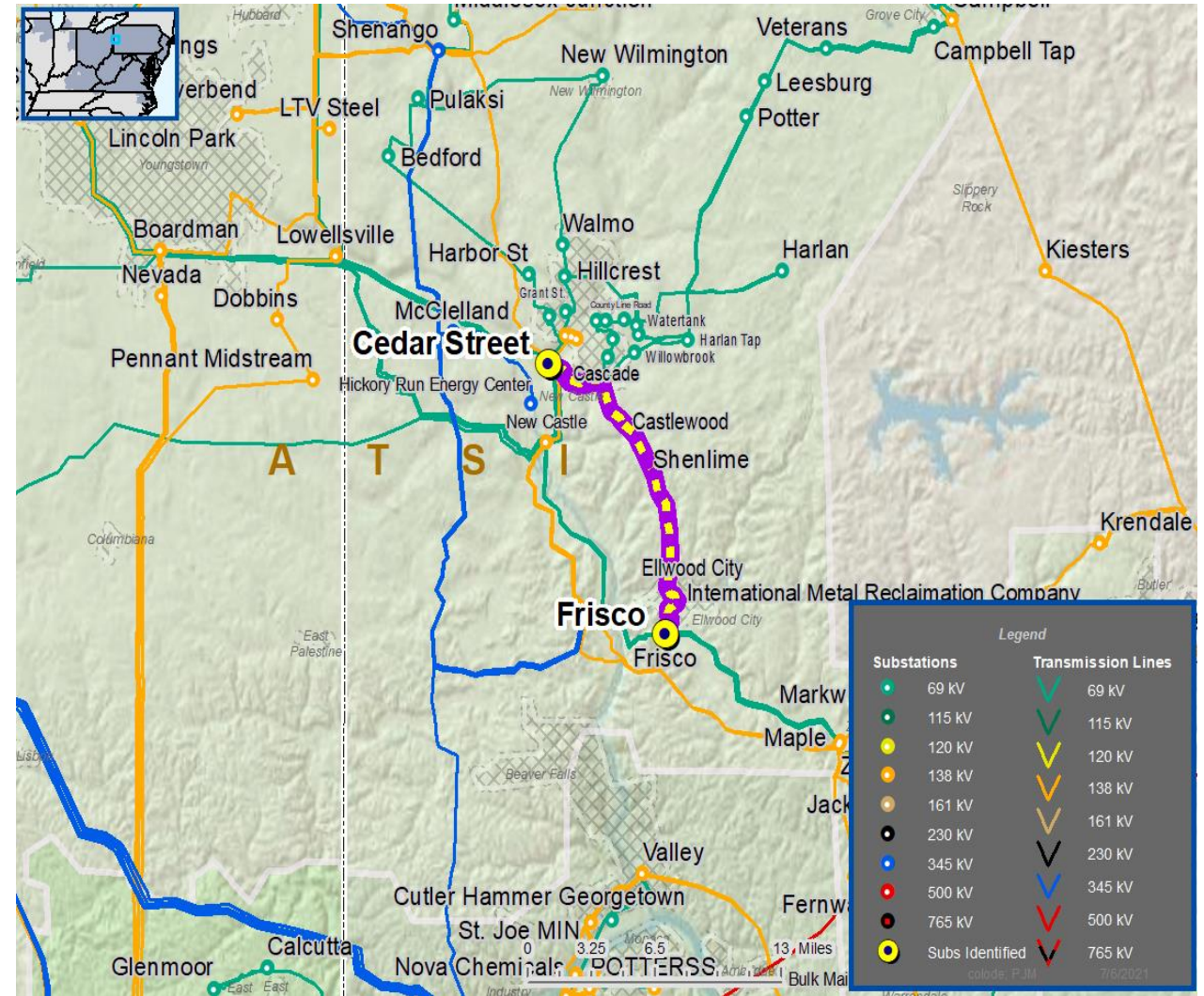
Need Number: ATSI-2021-018
Process Stage: Need Meeting – 07/16/2021

Supplemental Project Driver(s):
Customer Service

Specific Assumption Reference(s)
 Customer connection request evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.

Problem Statement
 New Customer Connection – A customer requested 69 kV transmission service for approximately 4 MVA of total load near the Cedar St – Frisco #1 69 kV line.

Requested In-Service Date: May 1, 2022



Need Number: ATSI-2021-019
Process Stage: Need Meeting – 07/16/2021

Supplemental Project Driver(s):
Customer Service

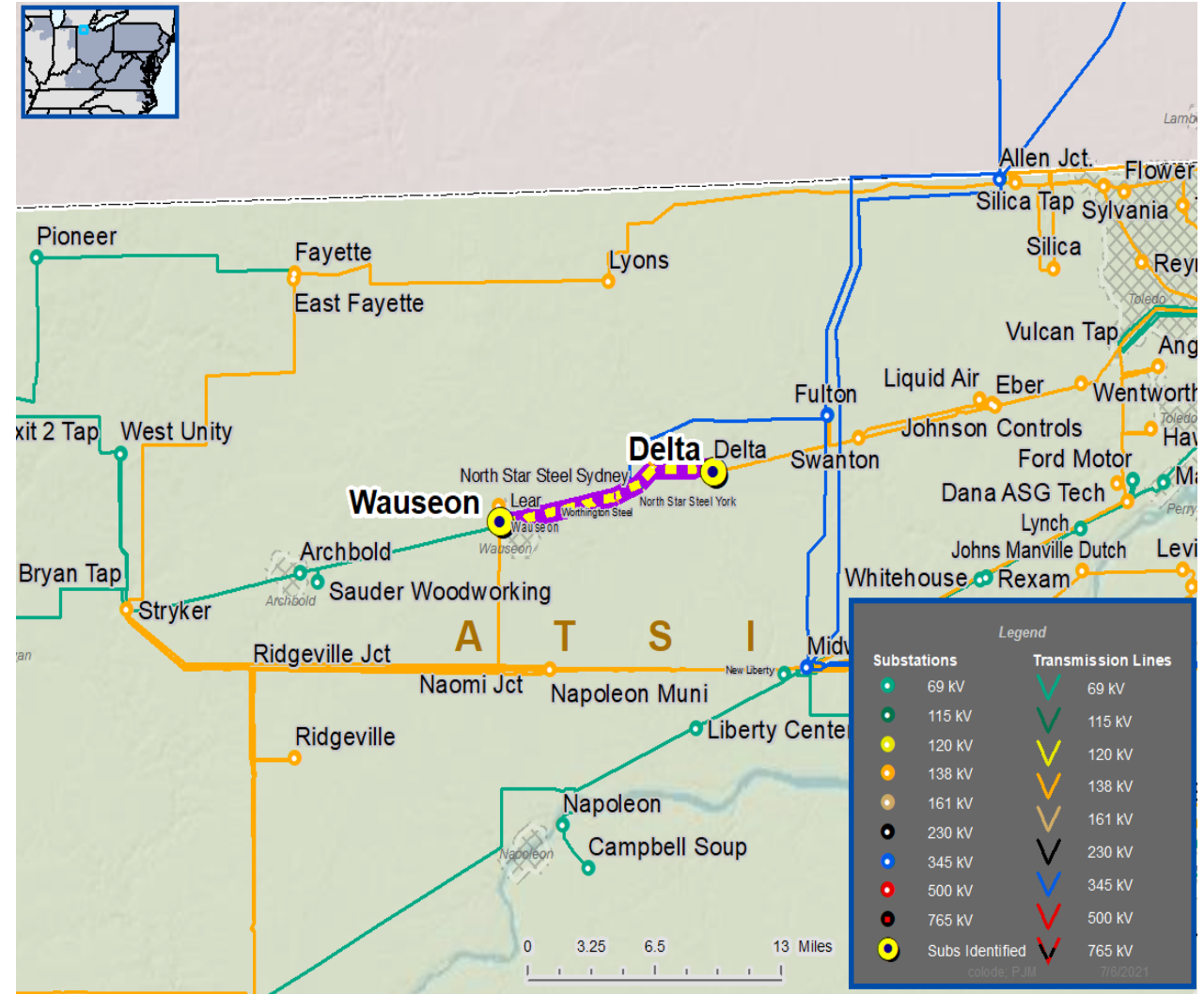
Specific Assumption Reference(s)

Customer connection request evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.

Problem Statement

New Customer Connection – A customer requested 138 kV transmission service for approximately 20 MVA of total load near the Delta – Wauseon 138 kV line.

Requested In-Service Dates: 10 MVA by November 1, 2021
 10 MVA increase by November 1, 2026



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: ATSI-2021-013
Process Stage: Solution Meeting – 07/16/2021
Previously Presented: Need Meeting – 06/15/2021

Supplemental Project Driver(s):
Customer Service

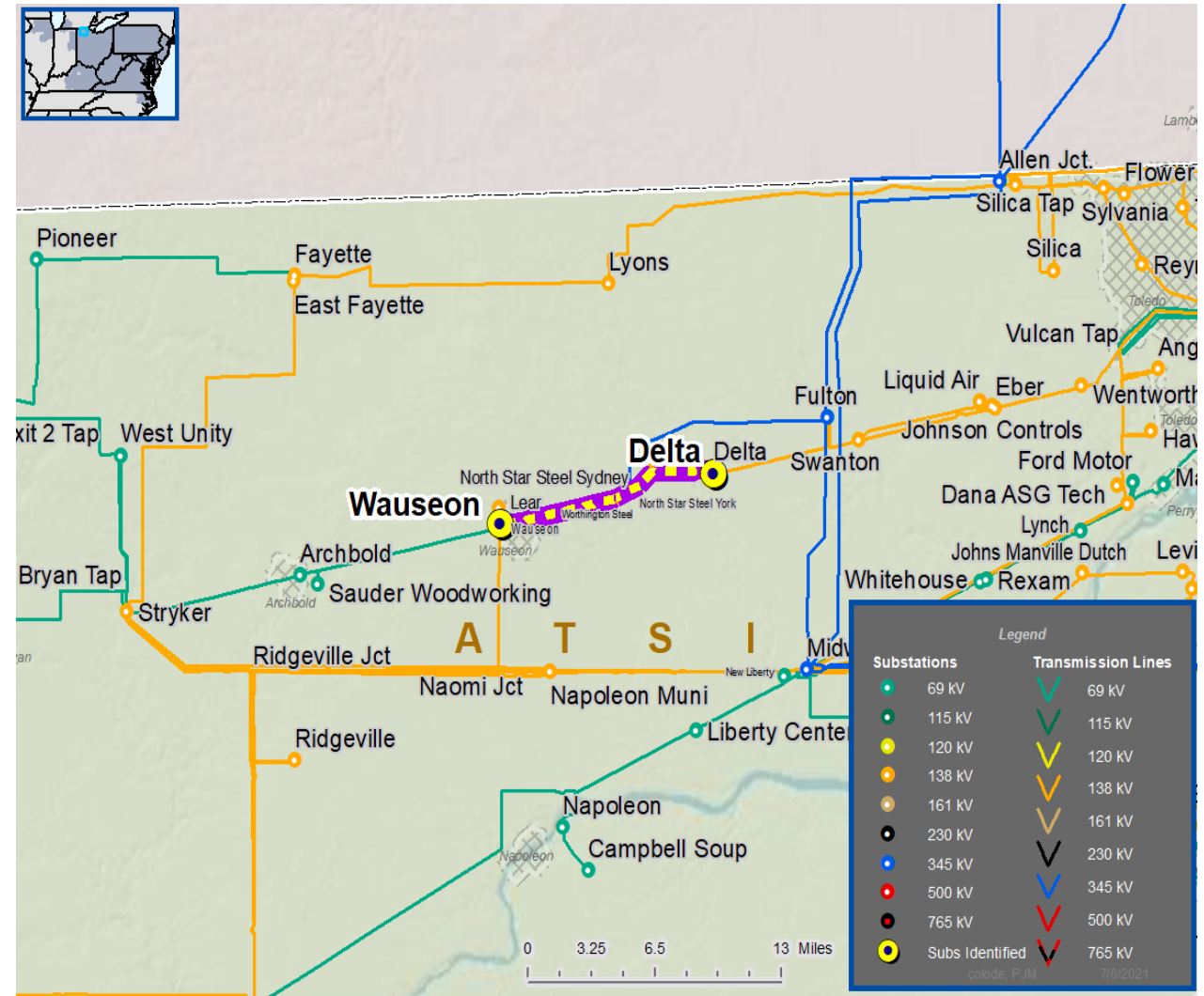
Specific Assumption Reference(s)

Customer connection request evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.

Problem Statement

New Customer Connection – A customer requested 138 kV transmission service for approximately 6.6 MVA of total load near the Delta – Wauseon 138 kV line.

Requested In-Service Date: February 28, 2022



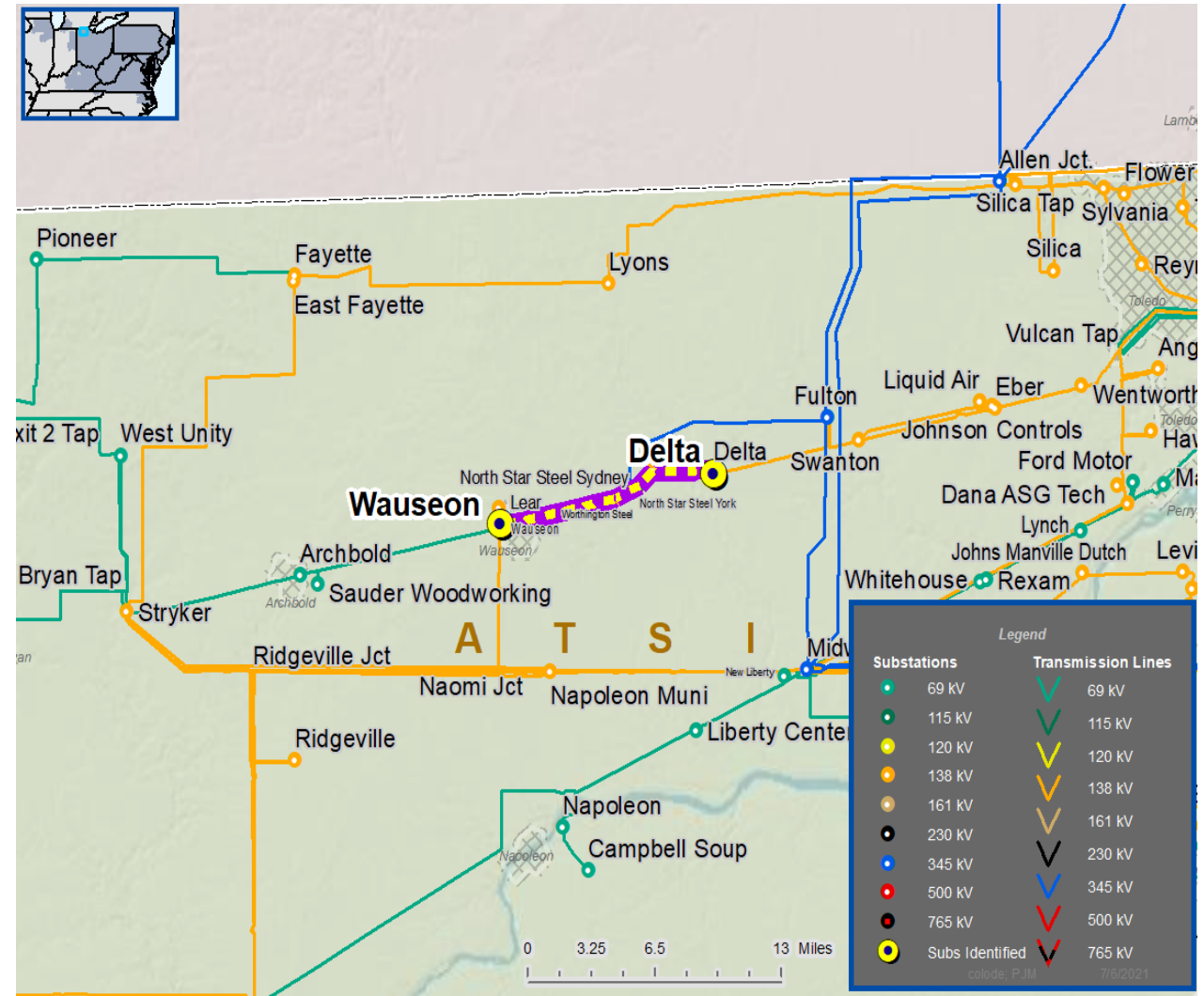
Need Number: ATSI-2021-013
Process Stage: Solution Meeting – 07/16/2021
Previously Presented: Need Meeting – 06/15/2021

Proposed Solution:
New 138 kV Customer

- Construct a 138 kV tap off the Delta – Wauseon 138 kV line to the customer substation. The customer substation tap location is approximately an 0.8 mile extension from the existing structures to the new customer substation. Provide one 138 kV metering package and add MOAB and SCADA to two existing switches on the Delta – Wauseon 138 kV line.

Alternatives Considered:
 • No alternatives considered for this project

Estimated Project Cost: \$3.2M
Projected In-Service: 02/15/2022
Status: Engineering
Model: 2020 Series 2025 Summer RTEP 50/50



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

7/6/2021 – V1 – Original version posted to pjm.com