

Subregional RTEP Committee – Western FirstEnergy Supplemental Projects

August 18, 2023

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-2023-014
Process Stage: Need Meeting – 08/18/2023

Supplemental Project Driver(s):
Operational Flexibility and Efficiency
Performance and Risk
Infrastructure Resilience

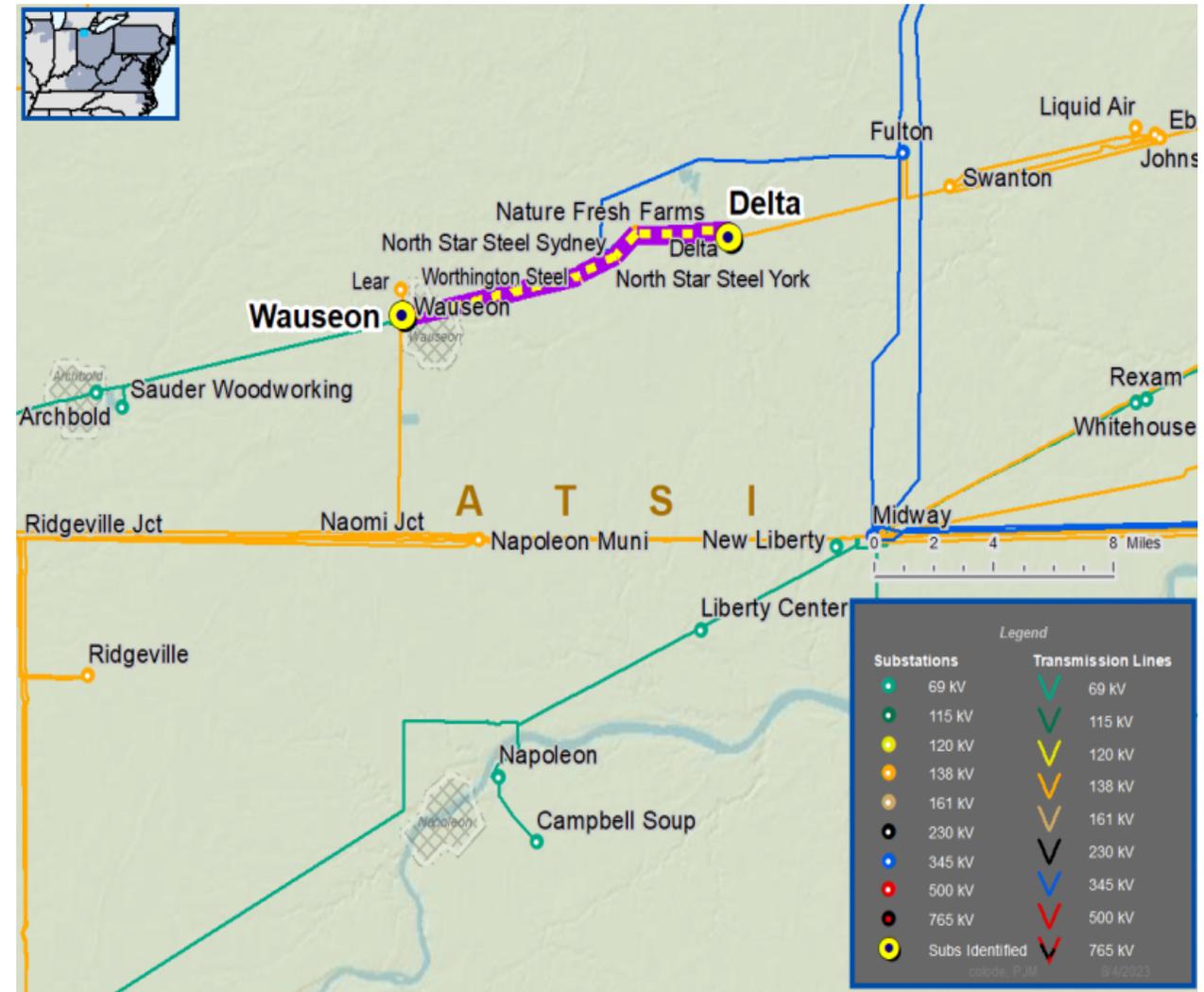
Specific Assumption Reference(s):

Global Considerations

- System reliability and performance
- Load at risk in planning and operational scenarios
- Networking a radial line

Problem Statement

- The Delta – Wauseon 138 kV Line is 12.8 miles in length and serves nine delivery points.
- An existing radial tap line from Delta – Wauseon 138 kV Line serves four delivery points - three (3) industrial and one (1) wholesale customer. The existing tap splits into two branches - one side of the tap is approximately 1.8 miles and serves three of the delivery points and the other side of the tap is approximately 1.1 miles and serves one delivery point. An existing customer is increasing load from 25 MVA to 55 MVA in 2023. The anticipated total load on the radial tap is approximately 75 MVA with potential future load growth from existing and new customers.
- These four customers have approximately 75 MVA of load at risk for a single line fault.



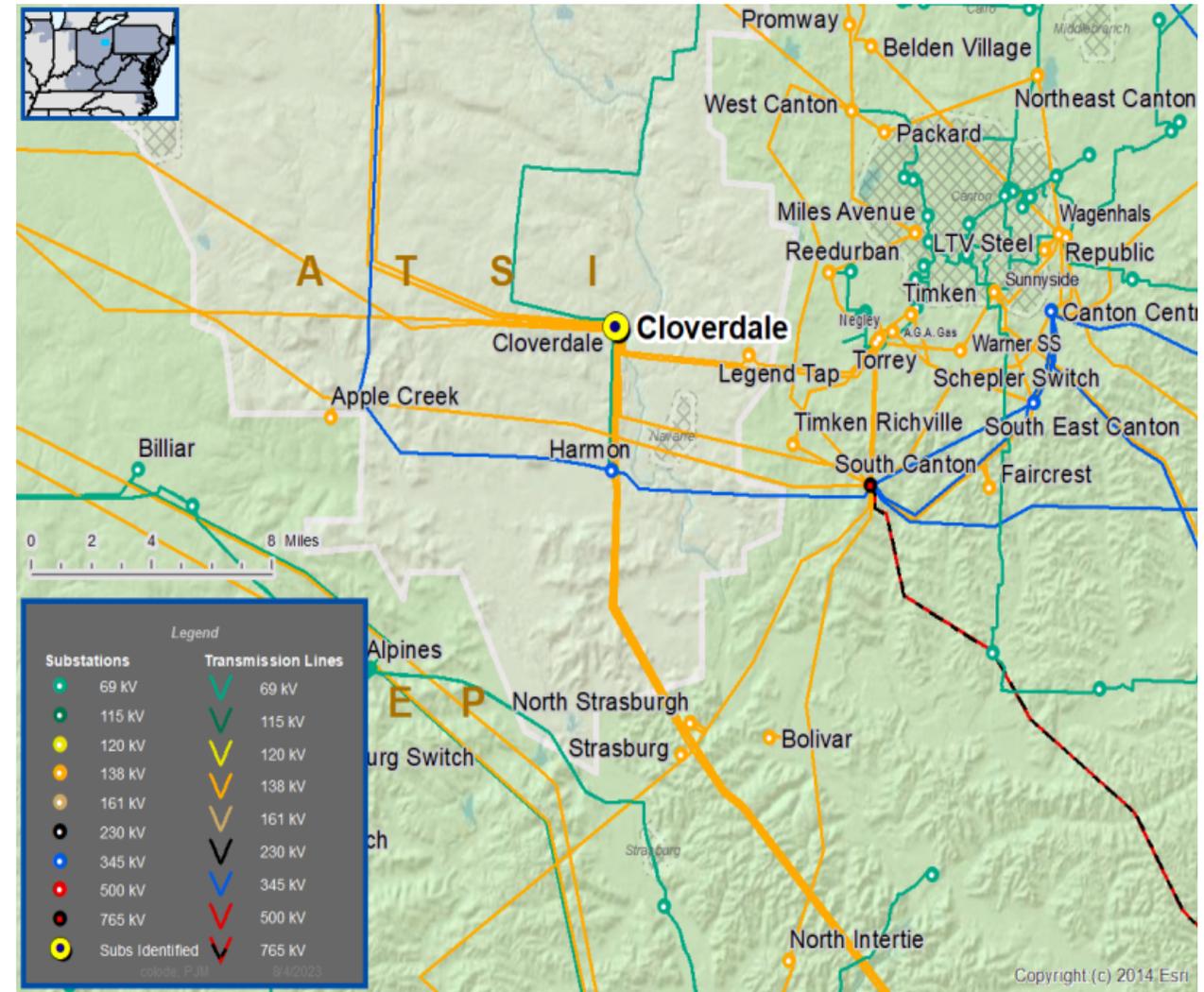
Need Number: ATSI-2023-022
Process Stage: Need Meeting – 08/18/2023

Supplemental Project Driver(s):
Customer Service

Specific Assumption Reference(s):
 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 – Customer has requested a new 138 kV delivery point from the Cloverdale 138 kV Substation. The anticipated load of the new customer connection is 200 MVA.

Requested In-Service Date:
 October 1, 2022



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

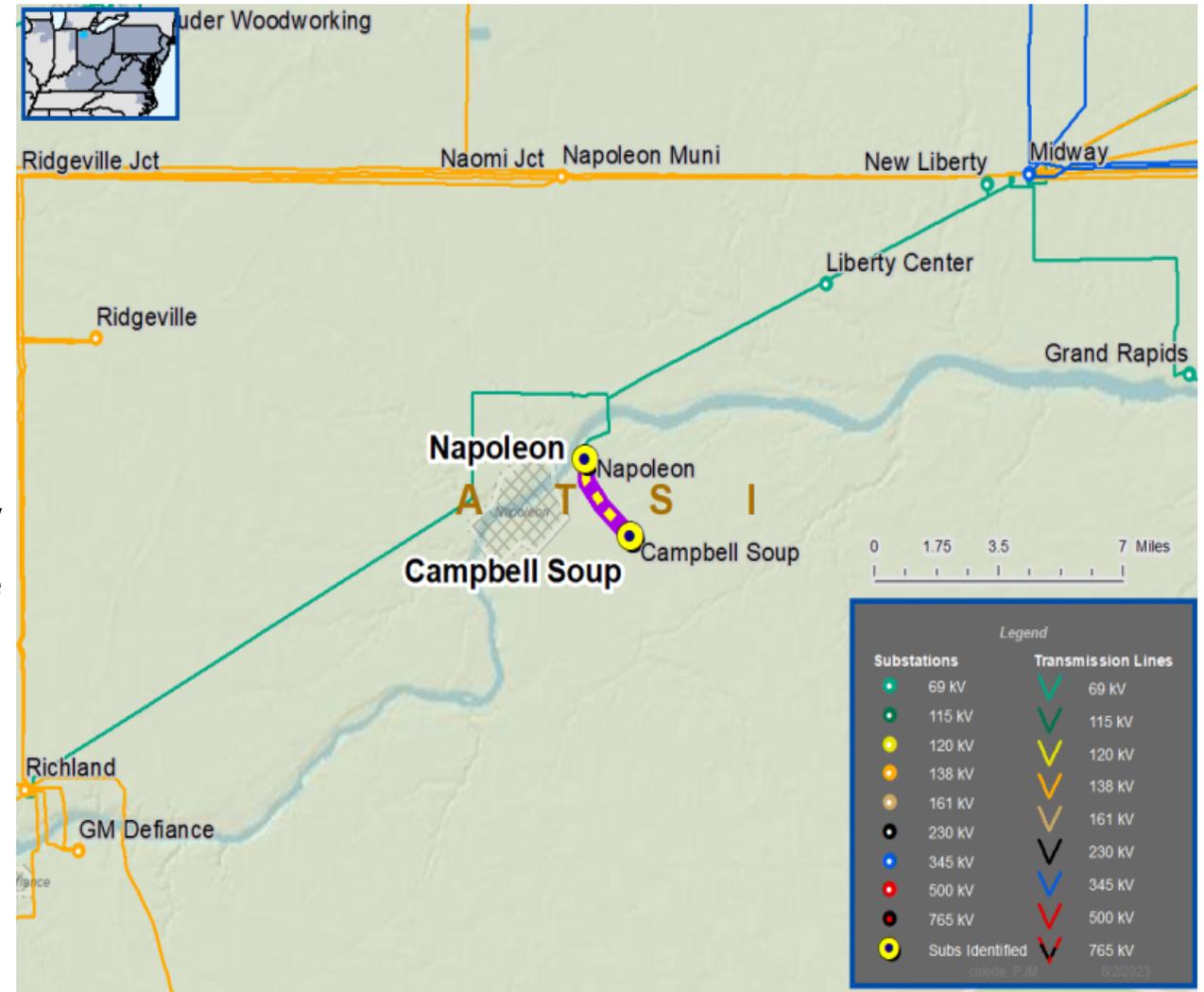
Need Number: ATSI-2023-007
Process Stage: Solution Meeting –08/18/2023
Previously Presented: Need Meeting – 06/16/2023

Supplemental Project Driver(s):
Customer Service

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

Problem Statement
 Customer Connection – Customer is requesting to retire an existing 69 kV delivery point on the Napoleon – Campbell Soup 69 kV Line. In addition, the customer is requesting a new 69 kV delivery point along the same transmission line to replace the retired delivery point which will have an anticipated load of 25 MVA.

Requested In-Service Date:
 03/31/2024



Need Number: ATSI-2023-007
Process Stage: Solution Meeting –08/18/2023
Previously Presented: Need Meeting – 06/16/2023

Proposed Solution:

69 kV Transmission Line Tap

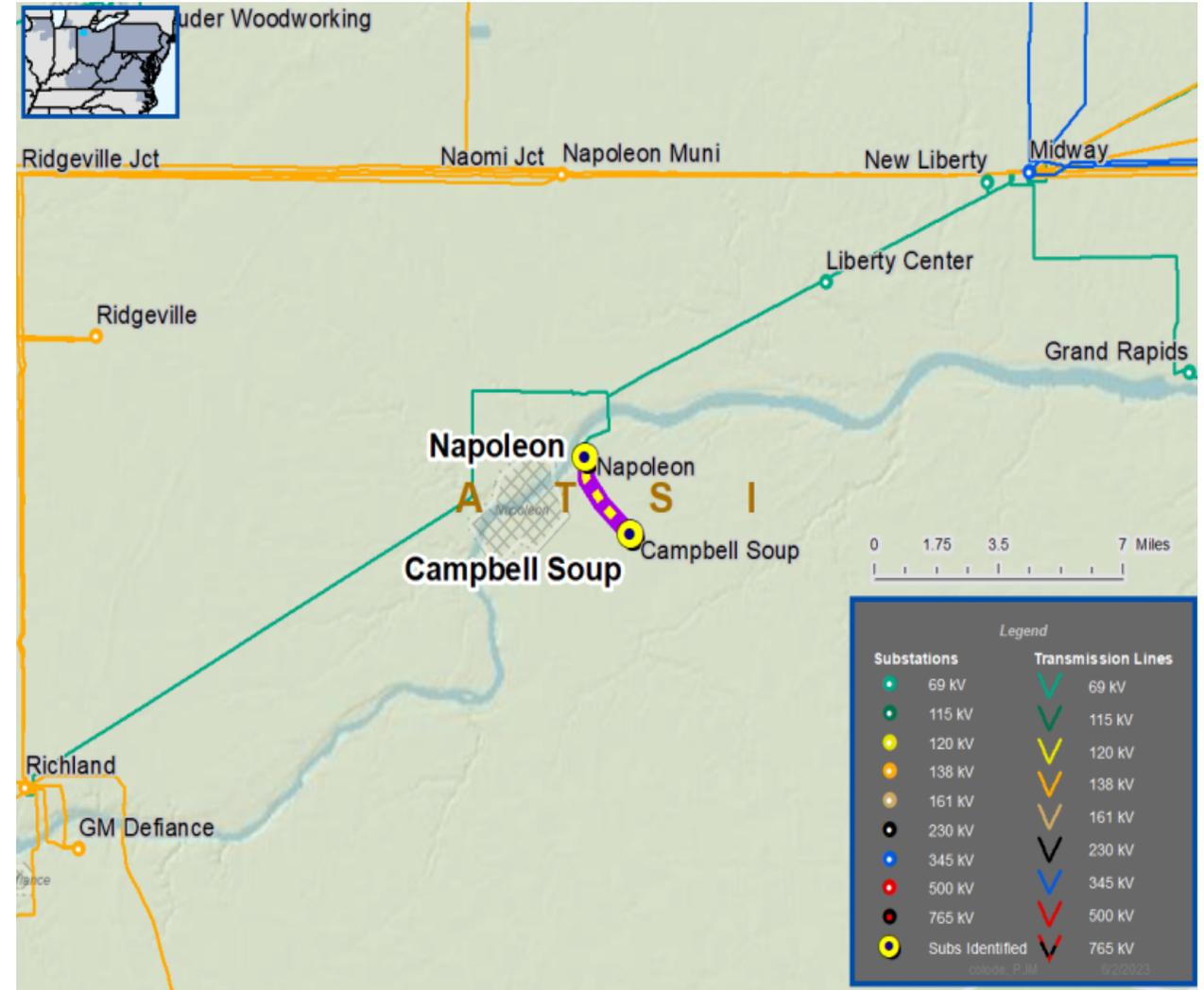
- Install one SCADA controlled transmission line switch
- Construct approximately 1-2 spans of transmission line using 336.4 26/7 ACSR from tap point to the customer substation
- Retire and remove all distribution owned assets from Campbell Soup #1 substation along with transmission line portion from new interconnection to existing substation.

Alternatives Considered:

- No feasible alternatives to meet customer’s request

Estimated Project Cost: \$0.0M

Projected In-Service: 3/31/2024
Status: Project Initiation



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

08/8/2023– V1 – Original version posted to pjm.com

08/18/2023-V2- Modification to the ATSI-2023-014 problem statement

08/18/2023-V3- Corrected Map for ATSI-2023-022