

# Subregional RTEP Committee – Western AMPT Supplemental Projects

September 15, 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:** AMPT-2023-004

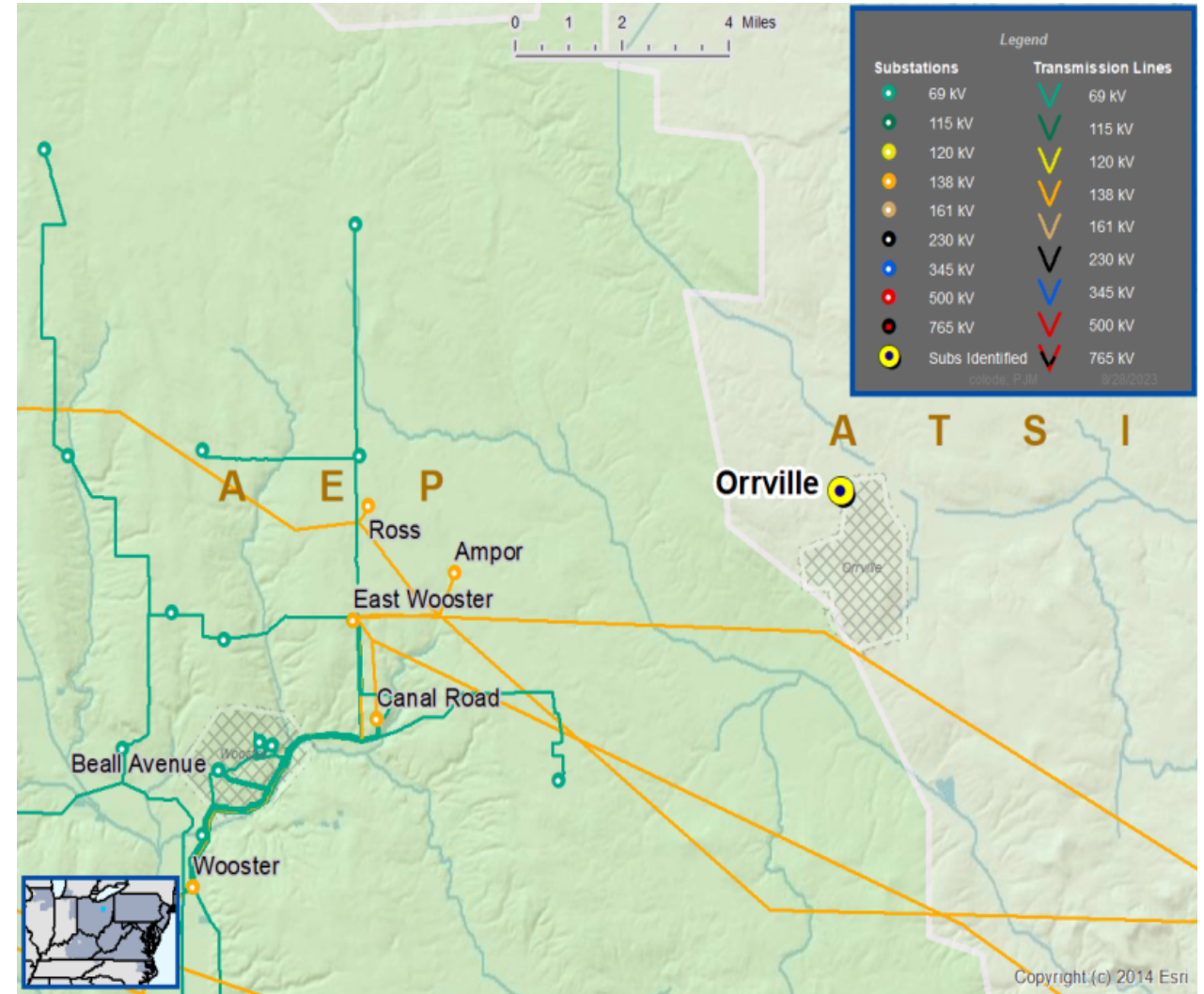
**Process Stage:** Need Meeting – 09/15/2023

**Supplemental Project Driver(s):** Operational Flexibility & Efficiency, Customer Service

**Specific Assumption Reference(s):** AMPT Transmission Facilities Interconnection Requirements Document

**Problem Statement:** The city of Orrville has two substations, which are served by a single circuit 138kV line approximately 8.92 miles in length, from AEP’s East Wooster substation. The city load is 60 MW at peak.

A single contingency outage of the 8.92 mile East Wooster-Orrville 138kV line, the “P” breaker at East Wooster sub, or the 138kV straight bus at East Wooster, will outage then entire Orrville municipal system. Orrville has no other transmission source, so a bolted fault on the existing 138kV source will leave all of Orrville out of service until the failed facility can be repaired.



**Need Number:** AMPT-2023-005

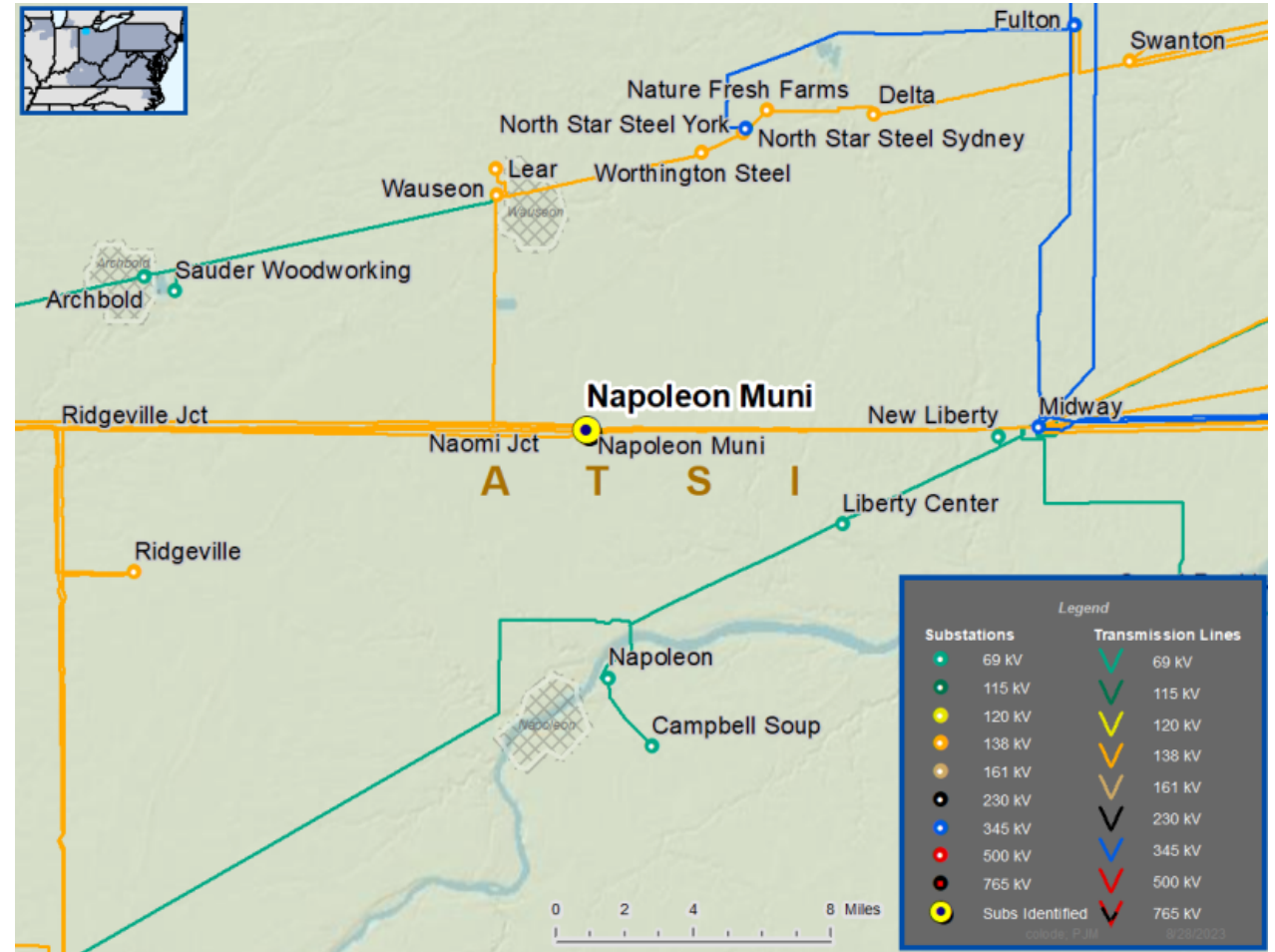
**Process Stage:** Need Meeting – 09/15/2023

**Supplemental Project Driver(s):** Operational Flexibility & Efficiency,  
Customer Service

**Specific Assumption Reference(s):** AMPT Transmission Planning Practices

**Problem Statement:**

At the AMPT Sullivan 138/69 kV Substation (Shown as “Napoleon Muni”), a breaker failure (NERC P2-4 or P4-2 outage) of 138kV CB “1”, 138kV CB “4”, or 69kV CB “WBT” will interrupt both 138kV sources from the substation, leaving the entire Napoleon municipality outaged (approximately 43 MW load at peak).



# 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

9/5/2022– V1 – Original version posted to pjm.com