AMP TRANSMISSION

Subregional RTEP Committee – AMPT Supplemental Projects

June 17, 2026

AMP TRANSMISSION

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

AMPT Transmission Zone M3 Process
Moore Street substation

Need Number: AMPT 2026-006
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service, Infrastructure Resilience

Specific Assumption References:
AMPT's Transmission Facilities Interconnection Requirements document
AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:
The city of Hubbard's Moore Street substation is served from FE's Masury-Stop 22 23 kV circuit. A fault anywhere on this circuit drops all of Hubbard, with no restoration until the line is sectionalized or until repairs are made. This city-wide outage has occurred 8 times in the last five years.
Moore St substation serves 14 MW of load through 3900 meters.

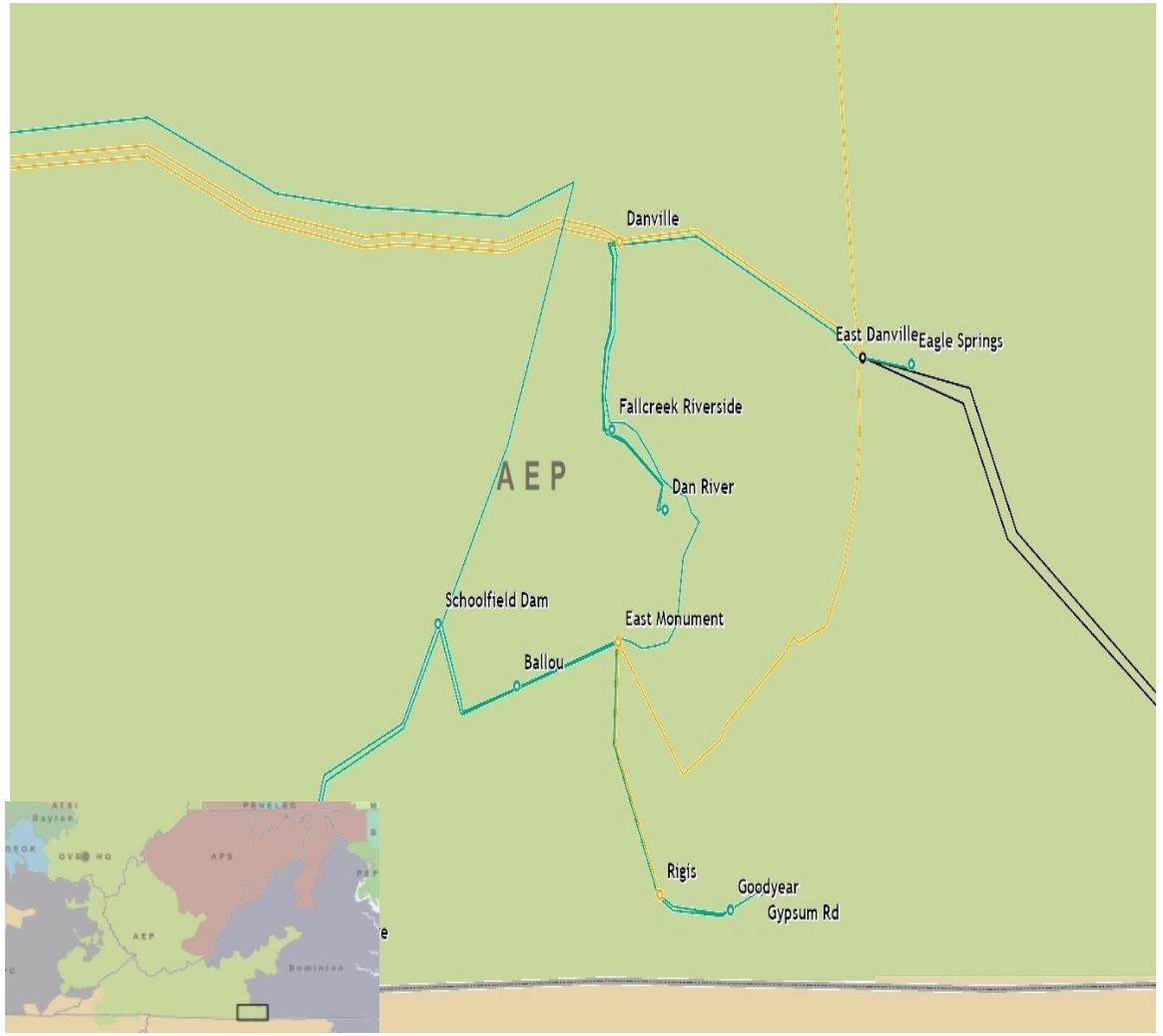
AMPT Transmission Zone M3 Process Riverside-Bridge St-Brantly 69 kV line

Need Number: AMPT 2026-008
Process Stage: Need Meeting 06/17/2026
Project Driver: Equipment Condition/Performance/Risk, Infrastructure Resilience, Operational Flexibility and Efficiency

Specific Assumption References:
AMPT's Transmission Facilities Interconnection Requirements document
AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:
• The Riverside-Bridge St-Brantly 69 kV line (2.0 miles in length) consists primarily of lattice steel towers, installed in 1960. A majority of the line is built in the Dan River flood plain, with 3 towers actually in the riverbed. At 65+ years old, the line is near end of useful life. The riverbed towers are difficult to access for inspections and maintenance, and they present a significant risk of catastrophic failure during river flooding conditions.

• AEP's Danville-E Danville (DANV-E DANV) 138 kV line is the only 138kV tie line between the eastern and western sides of Danville Utilities' 69kV system. When the AEP DANV-E DANV 138 kV line is out of service, whether due to planned work or a due to a line trip, several 69kV lines on the Danville Utilities system load up significantly. The Riverside-Bridge St-Brantly 69 kV line is one of the lines that approaches it's thermal ratings. To prevent thermal overload, Danville Utilities is forced to open their networked 69 kV lines, including the Riverside-Bridge St-Brantly line, thereby reducing system reliability to their customers. Danville has had to radialize their system 7 times in the last 3 years due to outages on the AEP line.

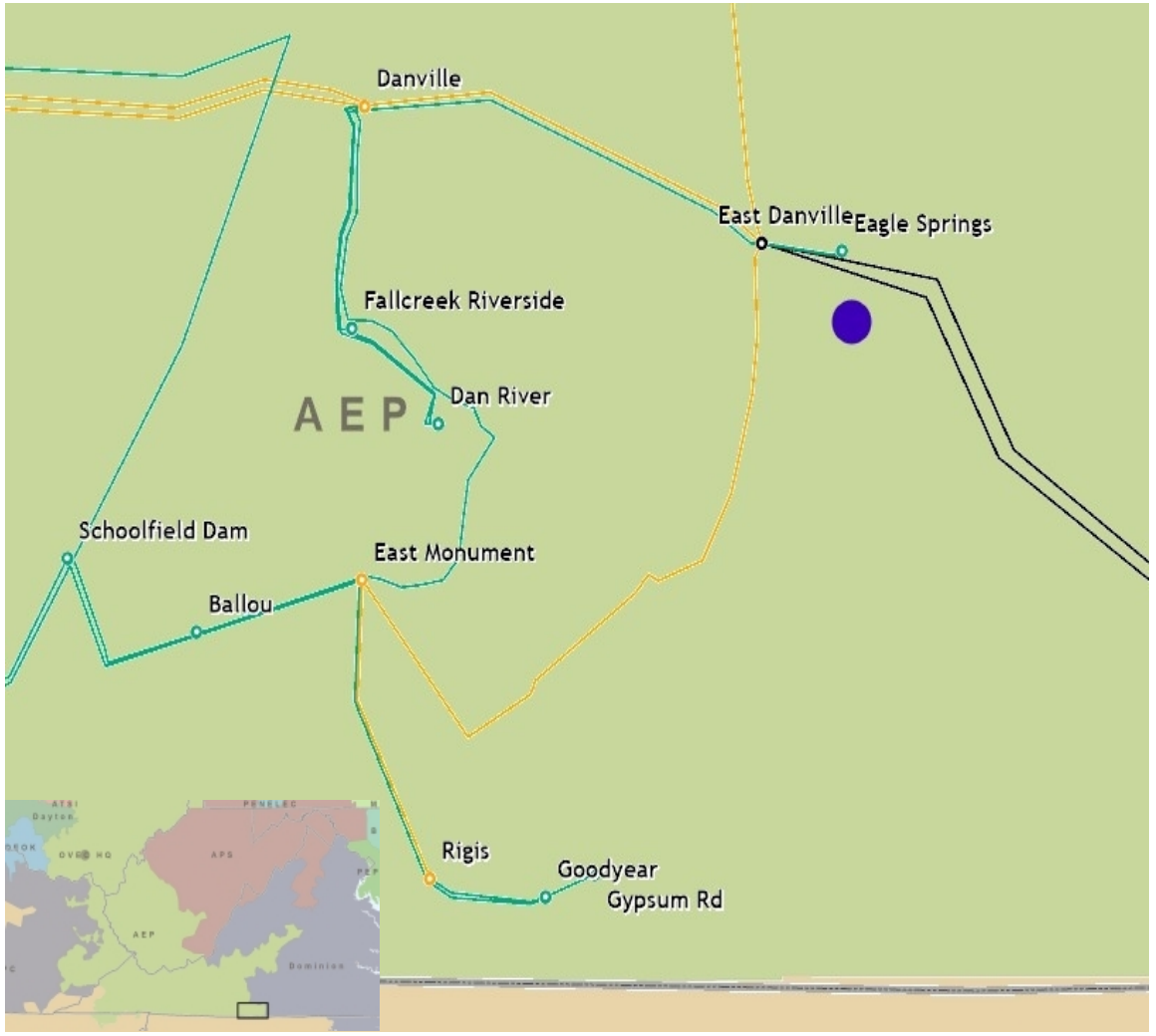


AMPT Transmission Zone M3 Process
New Customer Service

Need Number: AMPT 2026-010
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service

Specific Assumption References:
AMPT Transmission Facilities Interconnection Requirements document
AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:
A new customer has requested transmission service at a site approximately 1 mile from Rock Springs substation. The expected load will be 10 MW in 2027, with a peak demand of 150 MW in 2029/2030.

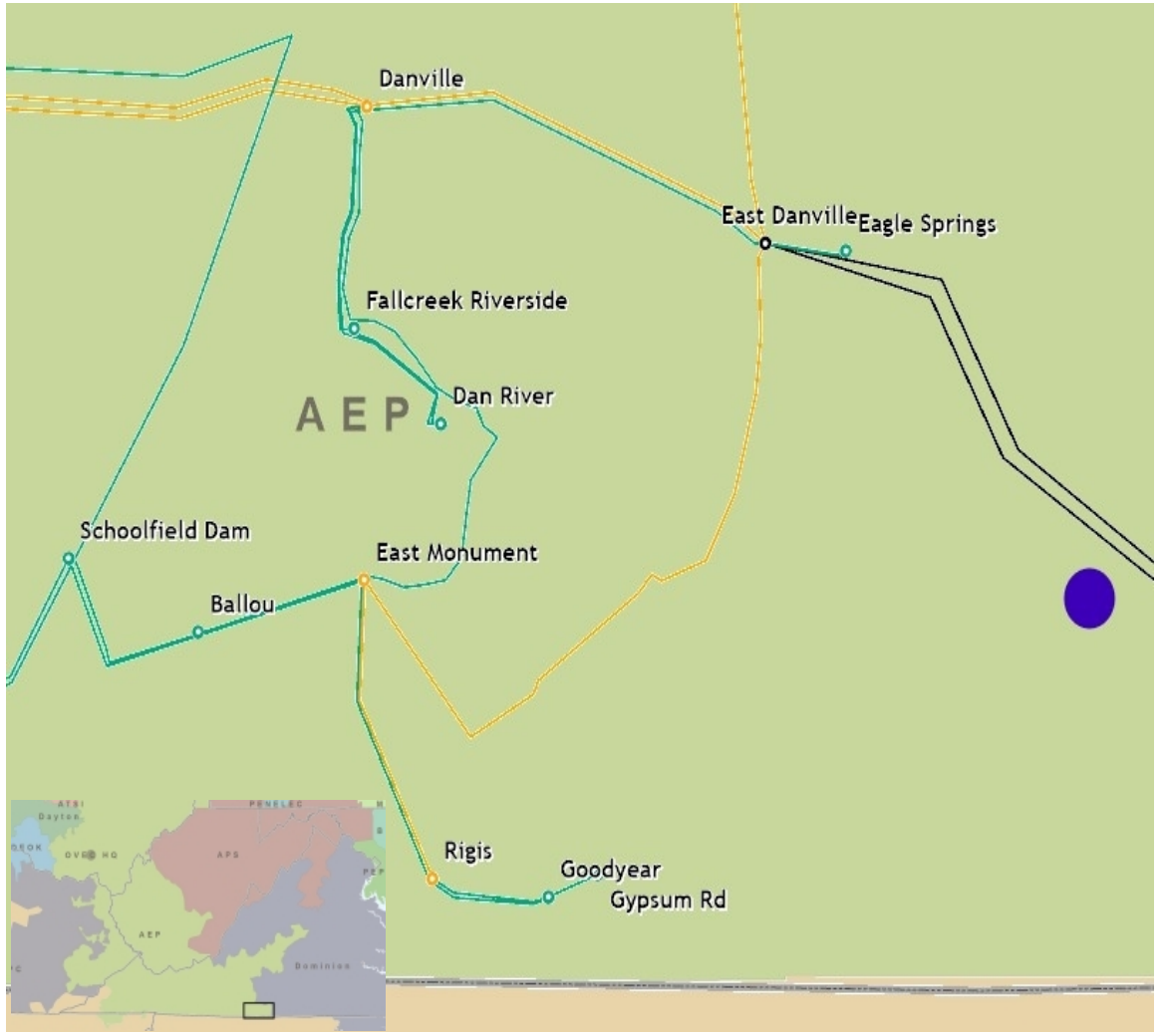


AMPT Transmission Zone M3 Process
New Customer Service

Need Number: AMPT 2026-011
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service

Specific Assumption References:
AMPT Transmission Facilities Interconnection Requirements document
AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:
A new customer has requested transmission service at a site approximately 4 miles from Rock Springs substation. The requested load will be 10 MW in 2027/2028, with a peak demand of 170 MW in 2029/2030.

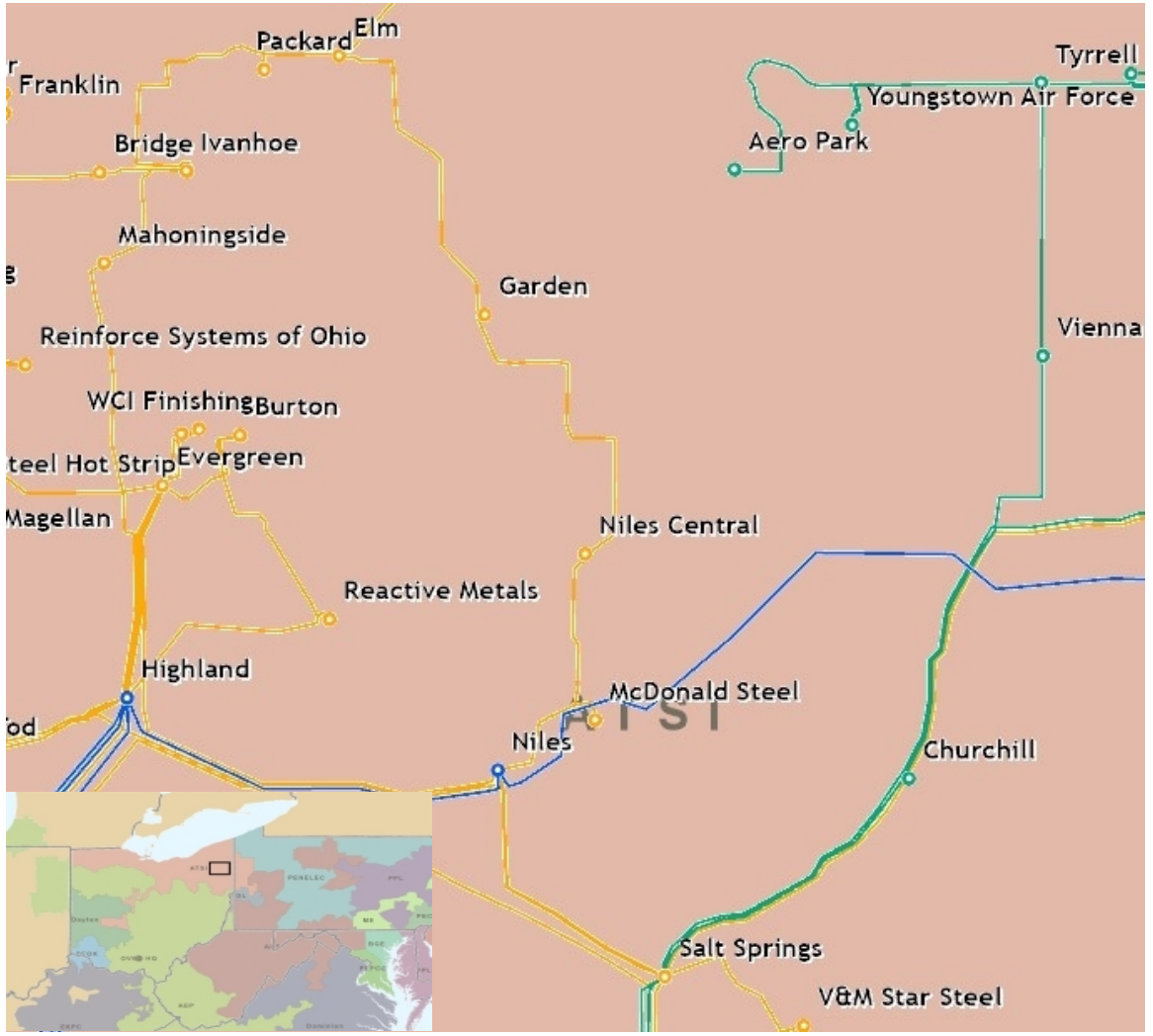


AMPT Transmission Zone M3 Process
Niles Central substation

Need Number: AMPT 2026-005
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service, Operational Flexibility and Efficiency

Specific Assumption References:
AMPT Transmission Facilities Interconnection Requirements document
AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:
The City of Niles is currently supplied by a single substation, Niles Central. Niles Central substation serves 60 MW of load via 13 distribution stations. Per AMPT's Planning Principles Criteria, AMPT will evaluate a third transmission source for municipalities with loads greater than 20 MW.



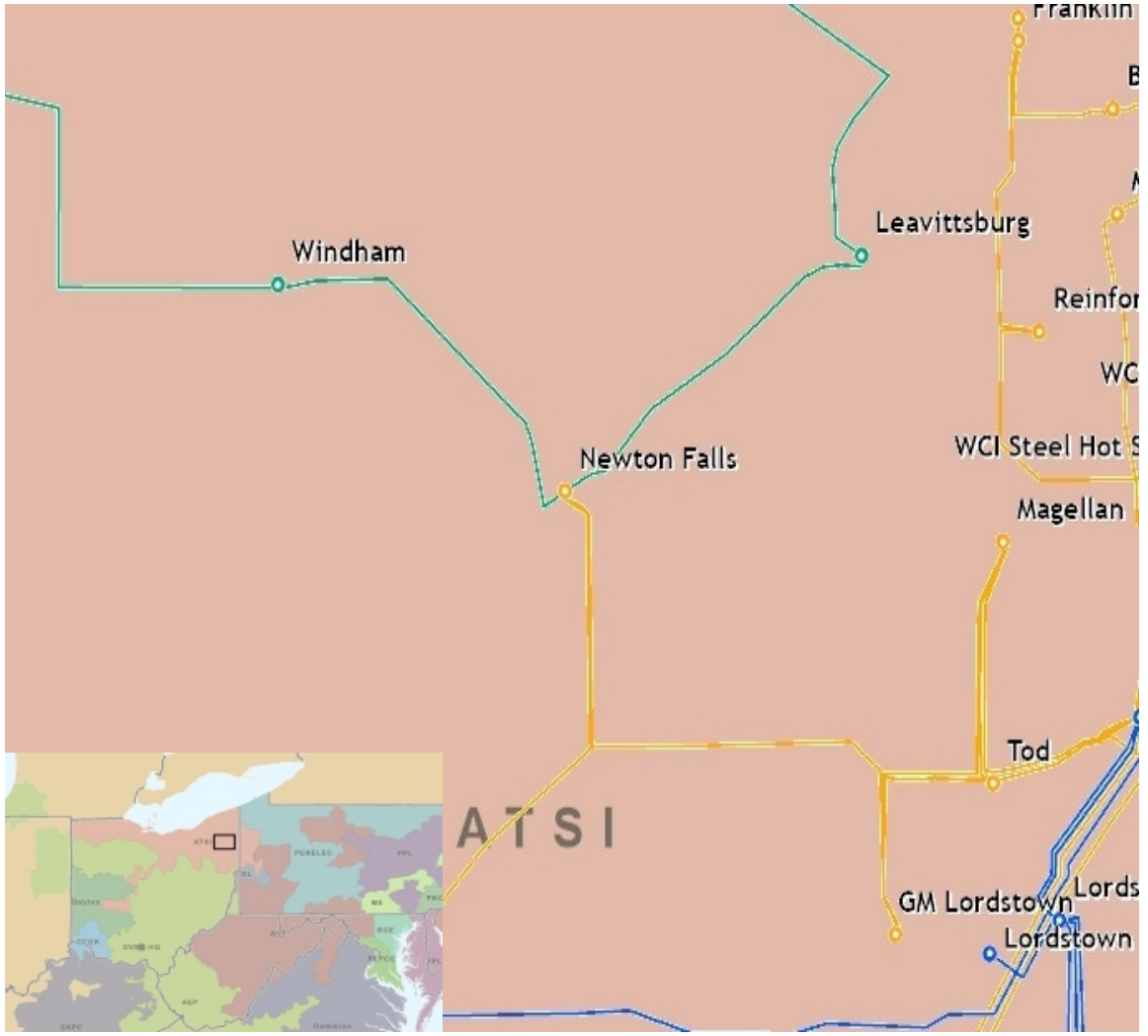
AMPT Transmission Zone M3 Process
Newton Falls 69 kV

Need Number: AMPT 2026-007
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service, Operational Flexibility and Efficiency

Specific Assumption References:
AMPT Transmission Facilities Interconnection Requirements
AMPT 2025 Local Planning Assumptions

Problem Statement:
The Newton Falls 69 kV system is served radially from two 69 kV FirstEnergy lines, both of which are taps off the main lines. The main FE lines are 27-miles and 10-miles in length, leading to significant exposure to faults resulting in interruption to half of the municipality's load. Both Newton Falls' feeds are from FE's Newton Falls station. The current configuration leads to N-1 and N-1-1 contingencies that interrupt the entire municipality load.

Newton Falls total load is 10 MW with 2,568 customers. Since 2018, Newton Falls has experienced 5 sustained outages that have interrupted the entire municipality and 16 sustained outages that have interrupted half the municipality.



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

06/xx/2026 – V1 – Original version posted to pjm.com