

Subregional RTEP Committee – AMPT Supplemental Projects

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: AMPT-2023-002

Process Stage: Solution Meeting – 1/19/2024

Process Stage: Need Meeting – 4/21/2023

Supplemental Project Driver(s): Customer Service

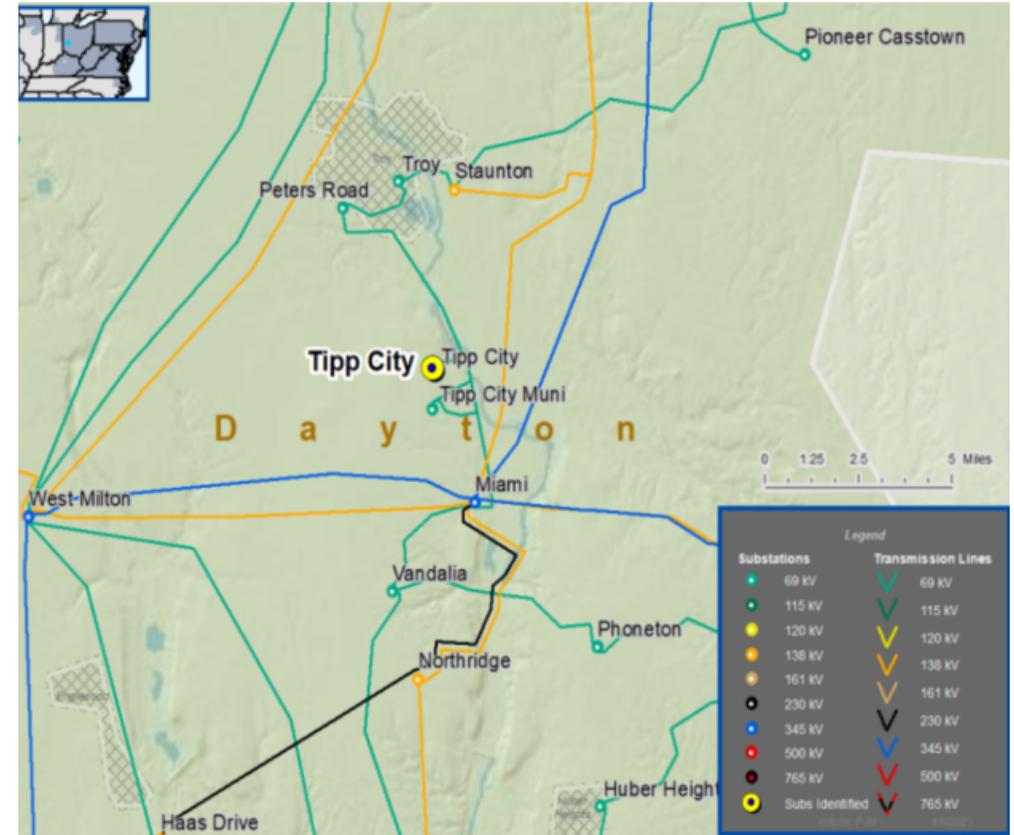
Specific Assumption Reference(s): AMPT’s “Transmission Facilities Interconnection Requirements” document.

Problem Statement:

New Customer Connection – The City of Tipp City has submitted a request for a new 69kV service point near the AMPT owned 69kV tap, which is served off AES’ 6692 69kV line.

The request was made to support new load increases in the area that totals approximately 10MW.

The City has requested an in-service date of 6/1/2025.





AMPT Projects in DAY Transmission Zone M3 Process Tipp City, OH

Need Number: AMPT-2023-002

Process Stage: Solution Meeting – 1/19/2024

Supplemental Project Driver(s): Customer Service

Proposed Solution:

*Tipp City Identified Scope**

- Tipp City to build new distribution station and new 69kV line to connect to AMPT Tower sub. * The Tipp City identified scope is not included in the cost.

AMPT Identified Scope (\$1.24M)

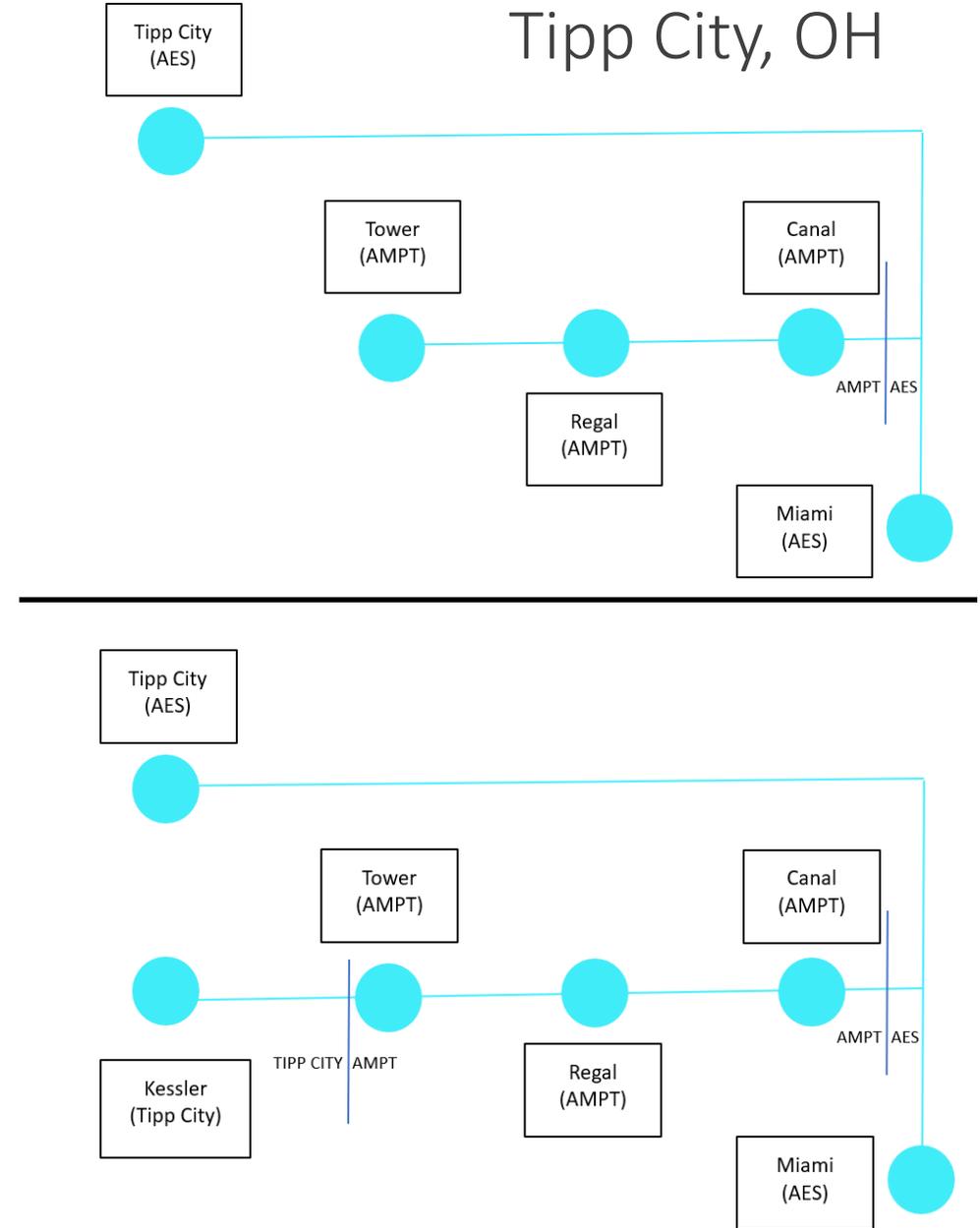
Tower 69kV Substation

- Install new line relays, RTU, and CCVT's for the new 69kV line terminal.
- Perform necessary work to terminate new 69 kV line to Tower station.

Projected In-Service: 6/1/2025

Project Status:

- Engineering (AMPT)



Need Number: AMPT-2023-001

Process Stage: Solution Meeting – 1/19/2024

Process Stage: Need Meeting – 3/17/2023

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

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

Problem Statement:

Reliability: Improve overall system protection coordination;
including the elimination of a three-terminal 69 kV line.

Operational Performance: Improve operational switching
capabilities and flexibility for system maintenance and restoration.

New Customer Connection – The City of Piqua has a need for a new
69/12 kV substation off AMPT's 69 kV Tap.





AMPT Projects in DAY Transmission Zone M3 Process Piqua, OH

Need Number: AMPT-2023-001

Process Stage: Solution Meeting – 1/19/2024

Supplemental Project Driver(s): Customer Service

Proposed Solution:

AMPT Identified Scope (\$5.6 M)

Hardin 69 kV Substation*

- Build a new 69/12 kV substation with two (2) 69 kV breakers with line terminals looking toward AES new station and Piqua Sub 5 and accommodate one (1) 69/12 kV transformer for the City of Piqua.
- *The 69/12 kV transformer and associated 12 kV equipment costs are distribution costs not included as part of the transmission costs.

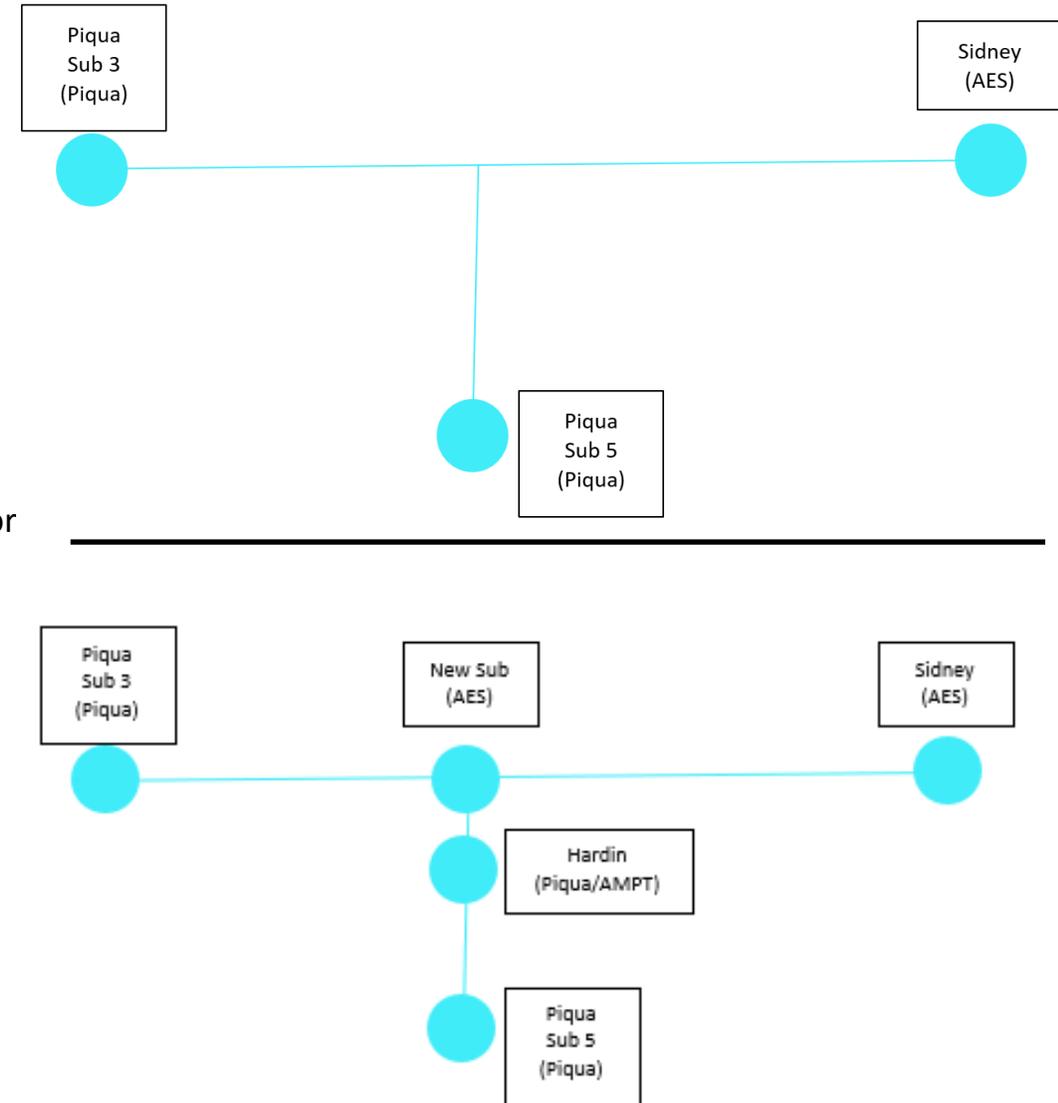
Piqua Sub 5 69kV Substation

- Upgrade line panel at Piqua Sub 5 looking toward the new Hardin sub.

AES Identified Scope (\$9.2 M)

New AES Piqua Sub 69 kV Substation

- Replace the existing line tap to the Piqua #5 substation with a new 69kV 3 breaker ring.





AMPT Projects in DAY Transmission Zone M3 Process Piqua, OH

Need Number: AMPT-2023-001

Process Stage: Solution Meeting – 1/19/2024

Supplemental Project Driver(s): Customer Service

Alternatives Considered:

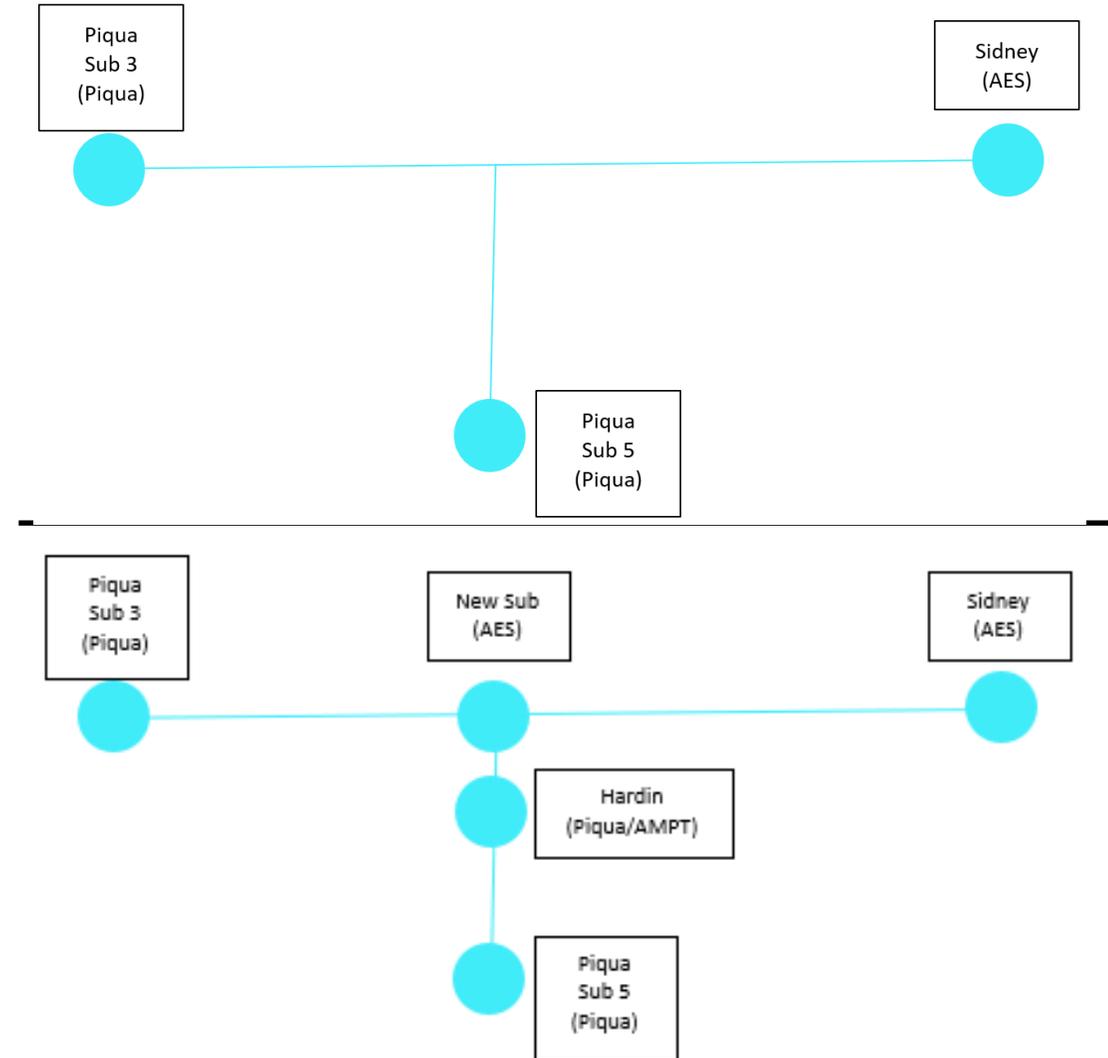
No alternatives considered for this project.

Total Estimated Transmission Cost: \$14.8 M

Projected In-Service: 12/1/2027

Project Status:

- Conceptual (AMPT), Conceptual (AES)



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

1/6/2024– V1 – Original version posted to pjm.com

1/11/2024 – V2 – Updated project need number