

Western Sub Regional RTEP: AEP Supplemental Projects

August 15, 2025

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

AEP Transmission Zone M-3 Process Muskingum River, OH

Need Number: AEP-2025-OH013

Process Stage: Need Meeting 08/15/2025

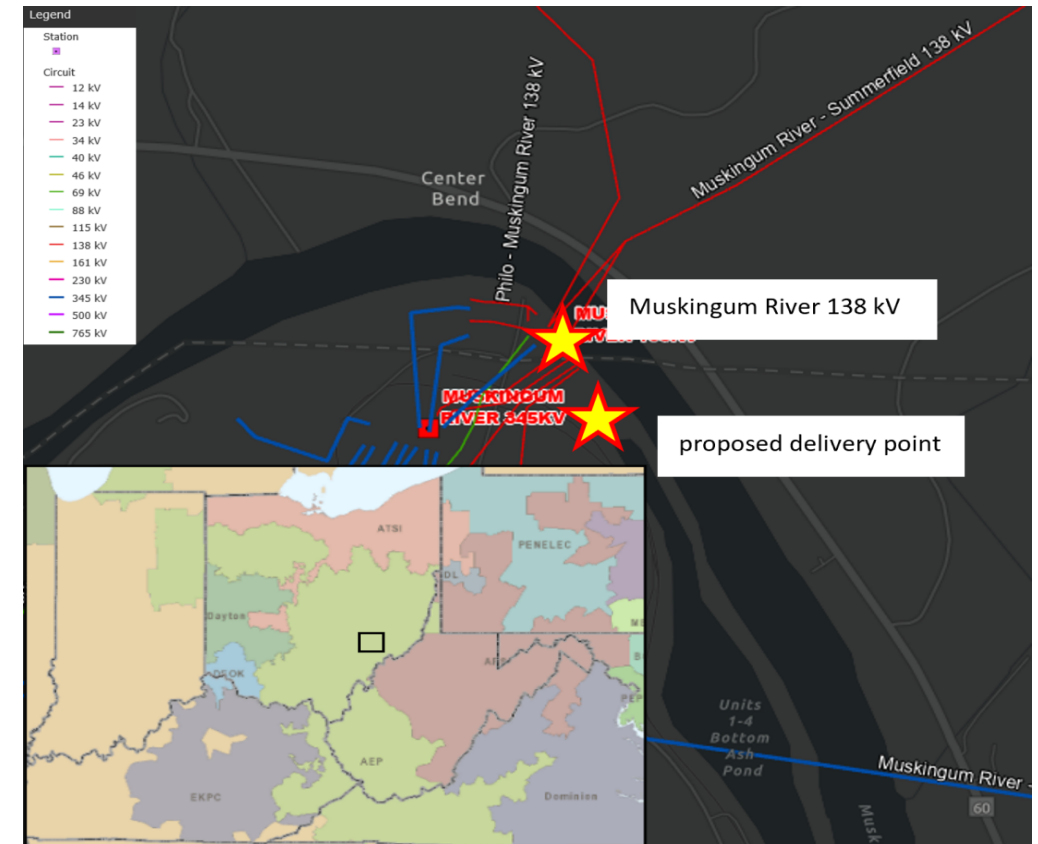
Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP Assumptions Slide 12)

Problem Statement:

A customer has requested new 138kV transmission service at a site near AEP's existing Muskingum station in Waterford, OH. Initial demand at the delivery point will be 25MW. Peak demand at the delivery point will be 200MW by 2029. Customer requested an initial in-service date of 02/01/2027.



AEP Transmission Zone M-3 Process Flag City, OH

Need Number: AEP-2025-OH017

Process Stage: Need Meeting 08/15/2025

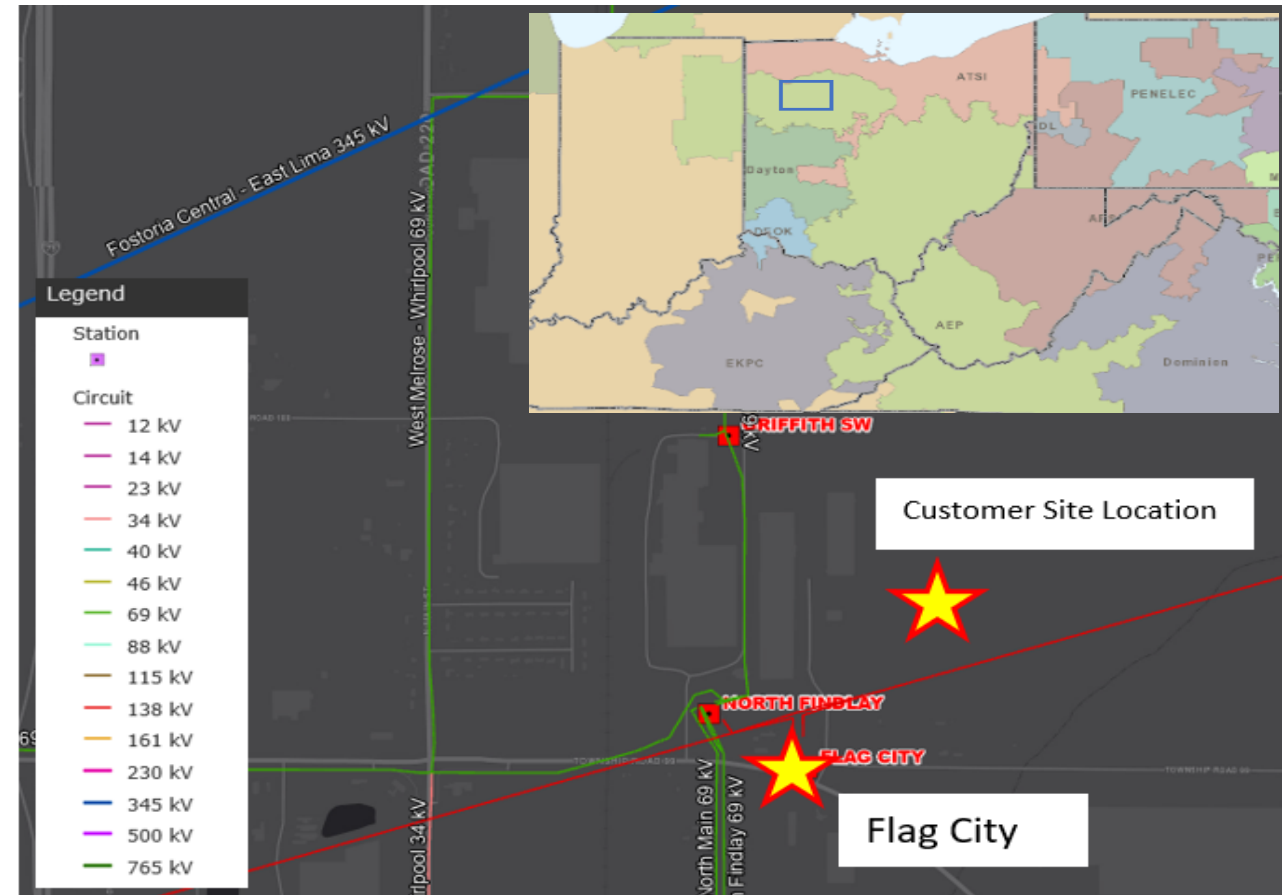
Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP Assumptions Slide 12)

Problem Statement:

A customer has requested 138 kV transmission service for 150MW at a site northeast of AEP's existing Flag City station in Findlay, OH. The customer has requested an in-service date of 9/30/2027.



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

AEP Transmission Zone M-3 Process Pax Branch, WV

Need Number: AEP-2025-AP004

Process Stage: Solution Meeting SRRTEP-W - 08/15/2025

Previously Presented: Need Meeting 02/14/2025

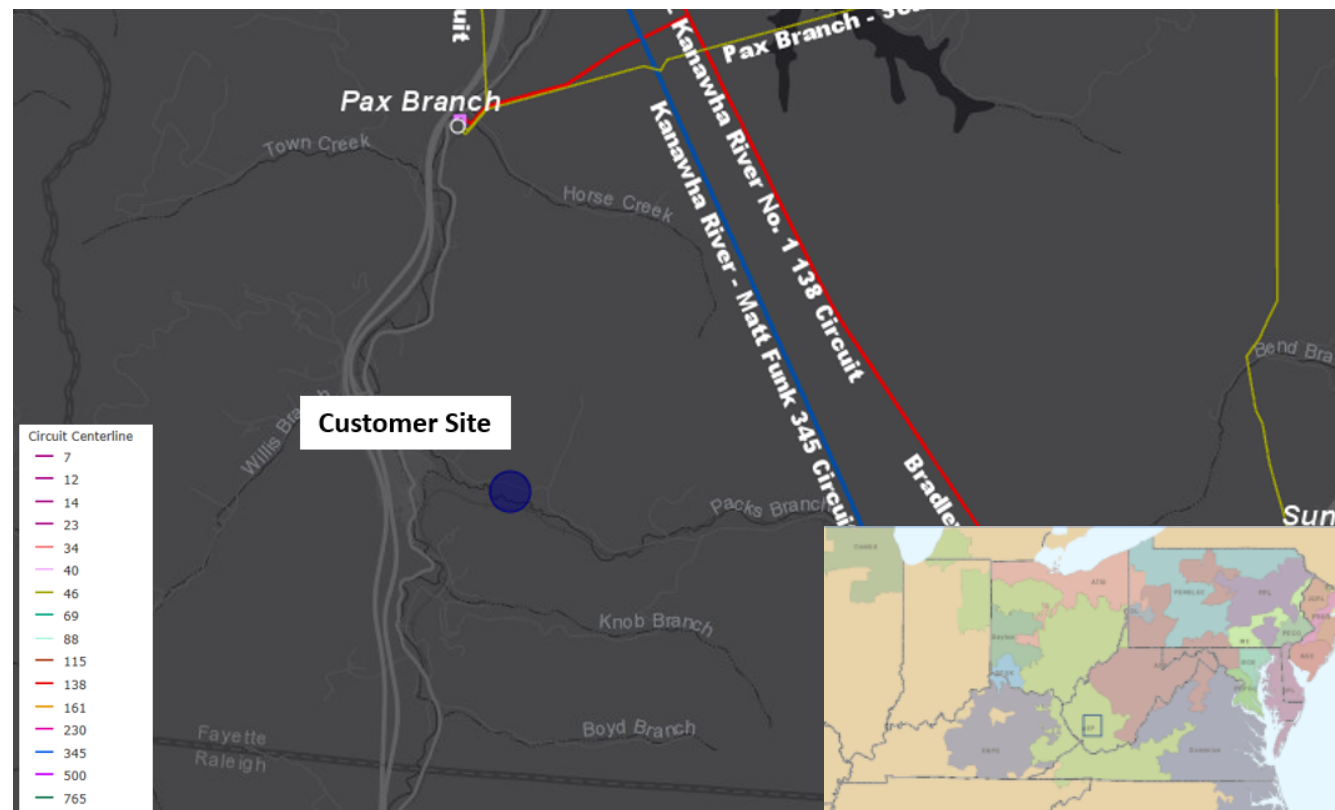
Supplemental Project Driver: Customer Service

Specific Assumption Reference: AEP Guidelines for Transmission Owner Identified Needs (AEP Assumptions Slide 12)

Problem Statement:

A new customer requested a new transmission delivery point in 2025 near Pax, WV.

Projected Peak Load: 7.5 MW



AEP Transmission Zone M-3 Process Sand Branch, WV

Need number(s): AEP-2025-AP004

Process Stage: Solution Meeting SRRTEP-W - 08/15/2025

Proposed Solution:

Sand Branch: Install a new tap point on the existing Bradley - Kanawha 138 kV line with a single switch facing the customer. Low-side metering to be installed at the customer site. Install a new 138 kV delineation pole for the customer to connect to. Estimated Cost: 0.

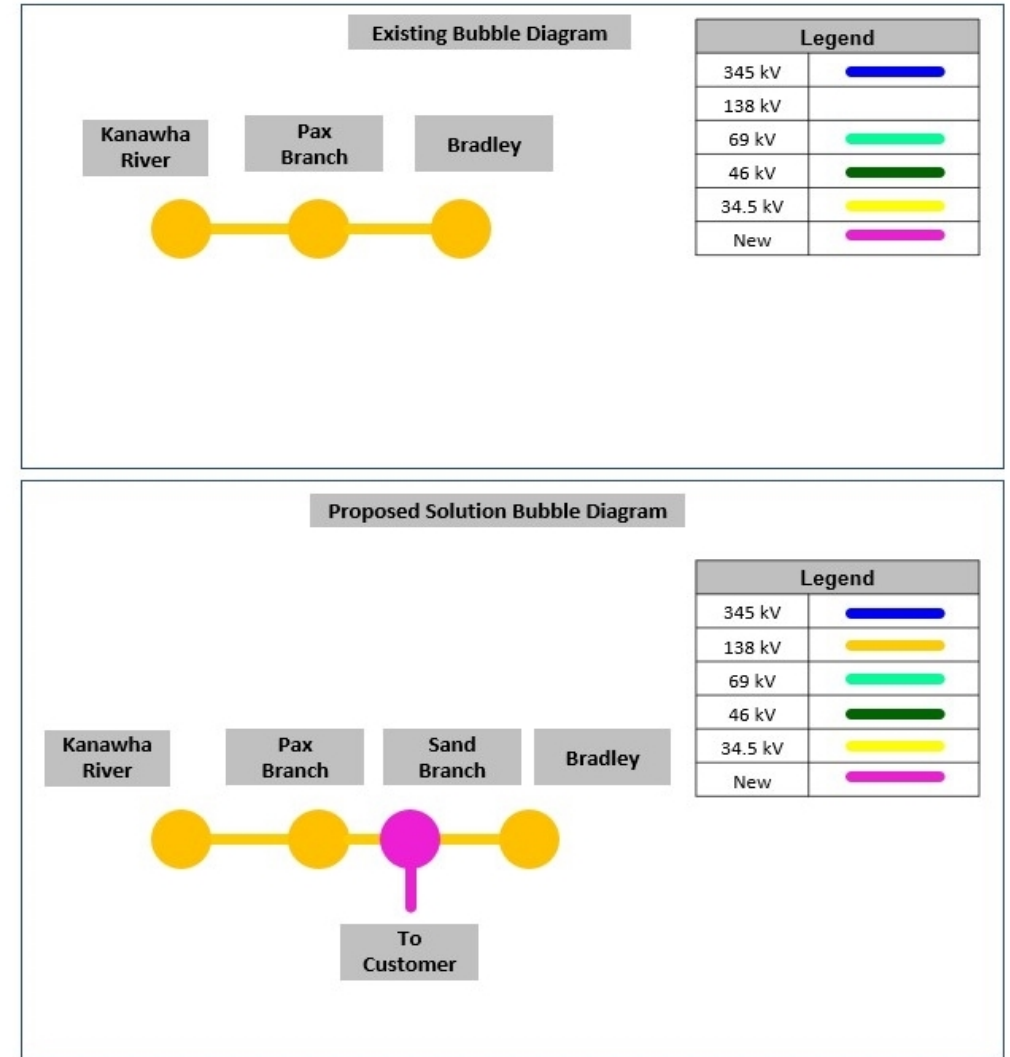
Transmission Cost Estimate:

Alternatives Considered:

Customer initially requested service directly out of Pax Branch Station but ultimately decided to take service from a different location. This project is 100% reimbursable.

Projected In-Service: 11/14/2025

Project Status: Engineering



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

08/05/2025– V1 – Original version posted to pjm.com

08/06/2025– V2 – Revised version per AEP update posted to pjm.com