

Western Sub Regional RTEP: AEP Supplemental Projects

December 12, 2025

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 Mount Vernon, Ohio

Need Number: AEP-2024-OH028

Process Stage: Solution Meeting SRRTEP-W - 12/12/2025

Previously Presented: Need Meeting 02/16/2024

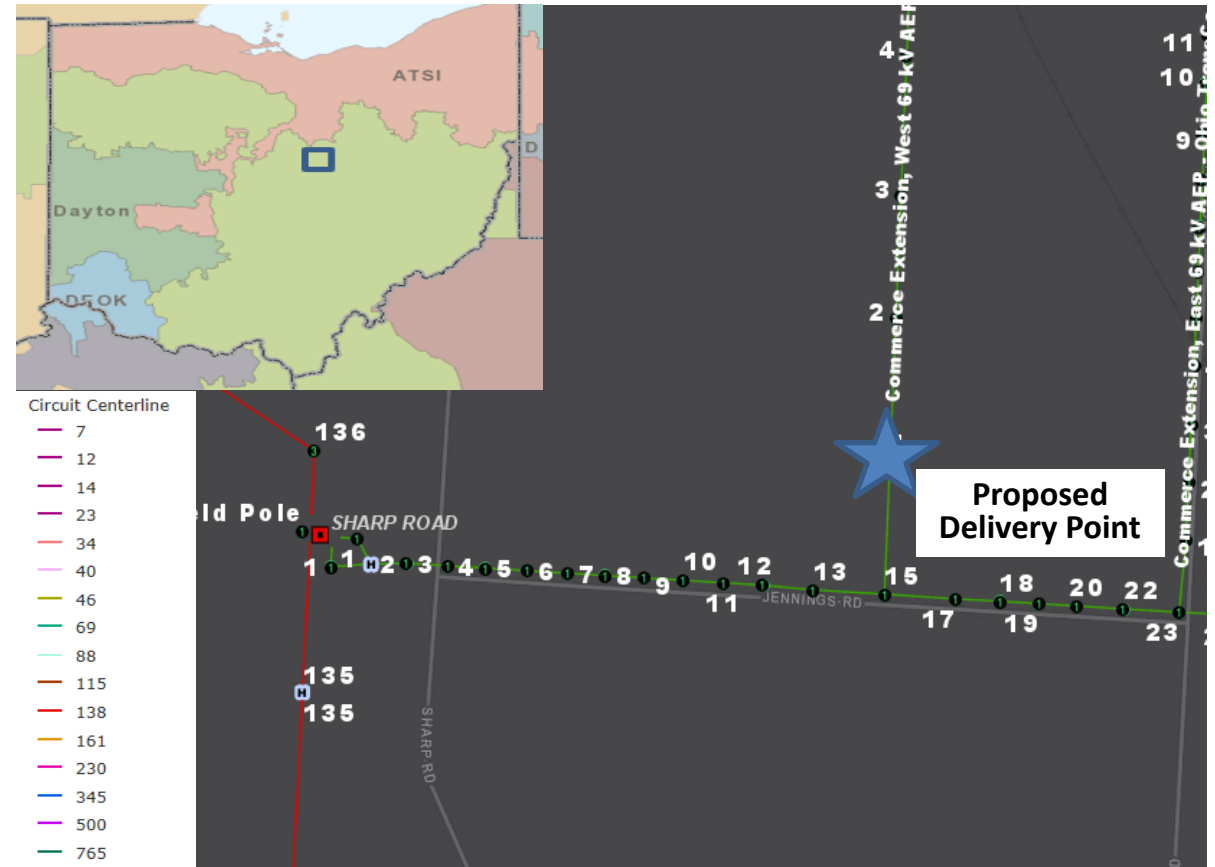
Project Driver: Customer Service

Specific Assumption Reference:

AEP Connection Requirements for the AEP Transmission System (AEP Assumptions Slide 7)

Problem Statement:

- Buckeye Co-op, on behalf of The Energy Cooperative (Licking REC), has requested a new service delivery point off the Commerce Extension (Sharp Rd – Commerce 69kV circuit) in Mount Vernon Ohio.
- The anticipated peak load is 12.031 MW by 2033
- This delivery is necessary to support industrial loads in the Mount Vernon area. Also, the new delivery point will be able to offset loading near the Brandon delivery point in anticipation of future growth.



AEP Transmission Zone M-3 Process
Jennings Road Switch, OH/Sharp Road, OH/Commerce, OH

Need number(s): AEP-2024-OH028

Process Stage: Solution Meeting SRRTEP-W - 12/12/2025

Proposed Solution:

Jennings Road Switch: Add Phase over Phase switch with auto-sectionalizing named Jennings Road Switch cut-in to the Sharp Road - Commerce 69 kV circuit to feed new customer.. Estimated Cost: \$1.298 M

Sharp Road - Commerce 69 kV Cut-In: Cut into the Sharp Road - Commerce 69 kV circuit to allow new switch to serve customer..
Estimated Cost: \$0.525 M

Jennings Road Extension: Construct a 69kV Extension from the switch to the customer substation, ~0.11-miles.. Estimated Cost: \$0.752 M

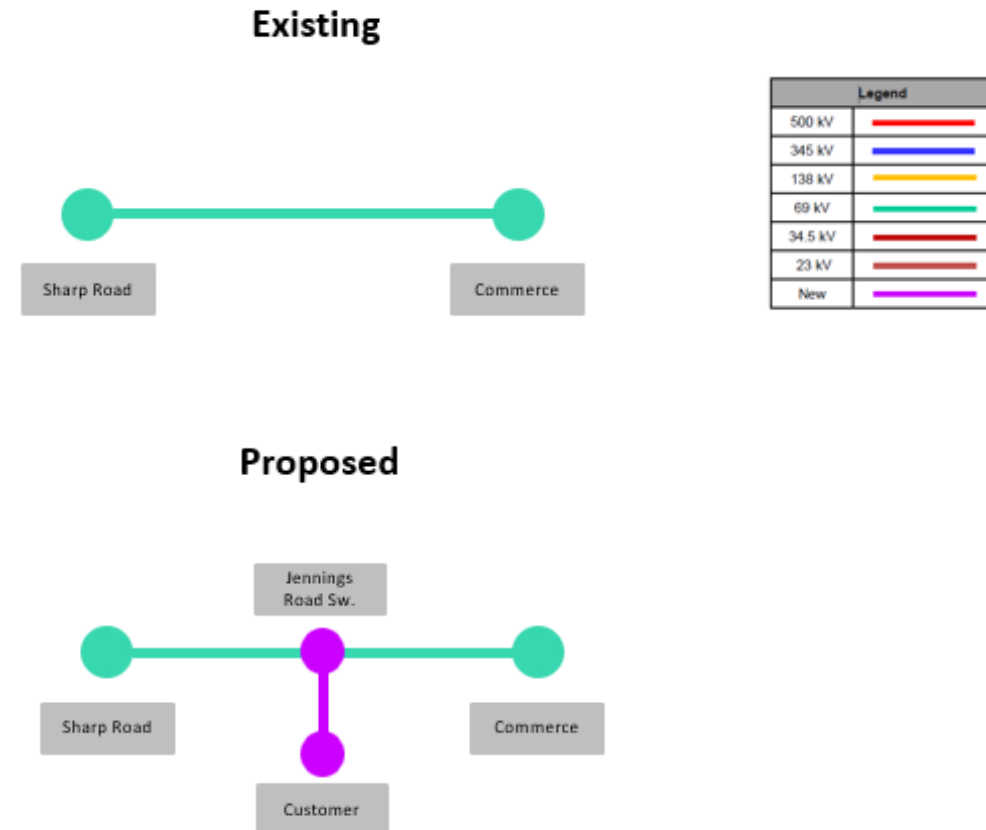
Transmission Cost Estimate: \$2.575 M

Alternatives Considered:

Considering the location and size of the requested load of the customer request, no other viable transmission alternatives were identified.

Projected In-Service: 08/04/2027

Project Status: Scoping



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

12/02/2025– V1 – Original version posted to pjm.com