

# Western Sub Regional RTEP: AEP Supplemental Projects

April 11, 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 Kalamazoo, MI

**Need Number:** AEP-2025-IM004

**Process Stage:** Need Meeting 04/11/2025

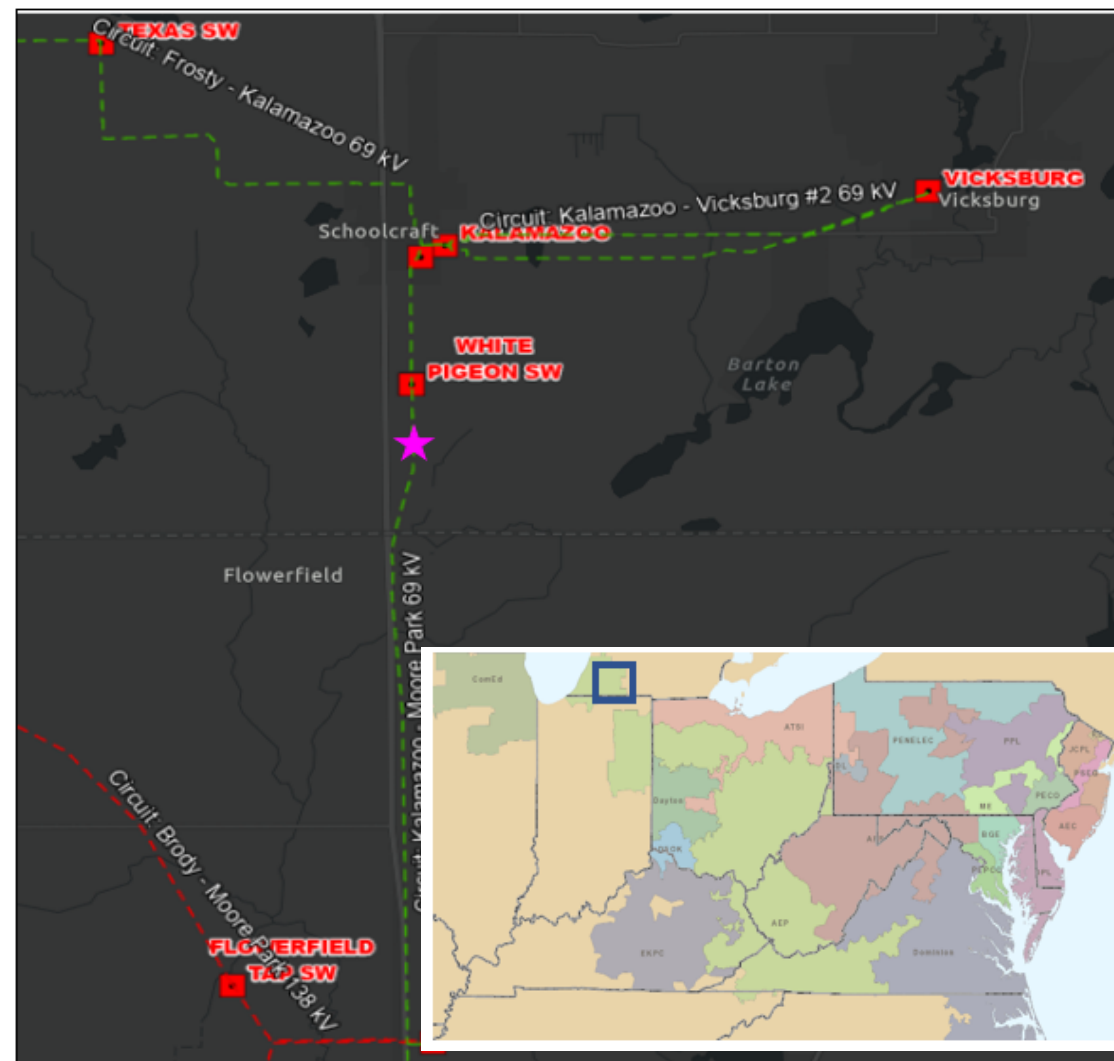
**Project Driver:** Customer Service

**Specific Assumption References:**

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

## Problem Statement:

A customer has requested a new 69kV delivery point in the Kalamazoo, Michigan area on the Kalamazoo - Moore Park 69kV line with an estimated peak demand of 13.84MW. The requested in service date is 7/1/2026.



# 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-2023-IM020: Original need was presented on 10/20/2023 W-SRRTEP. Need changes are marked in red.**

**Need Number:** AEP-2023-IM020

**Process Stage:** Solution Meeting SRRTEP-W - 04/11/2025

**Previously Presented:** Need Meeting 10/20/2023

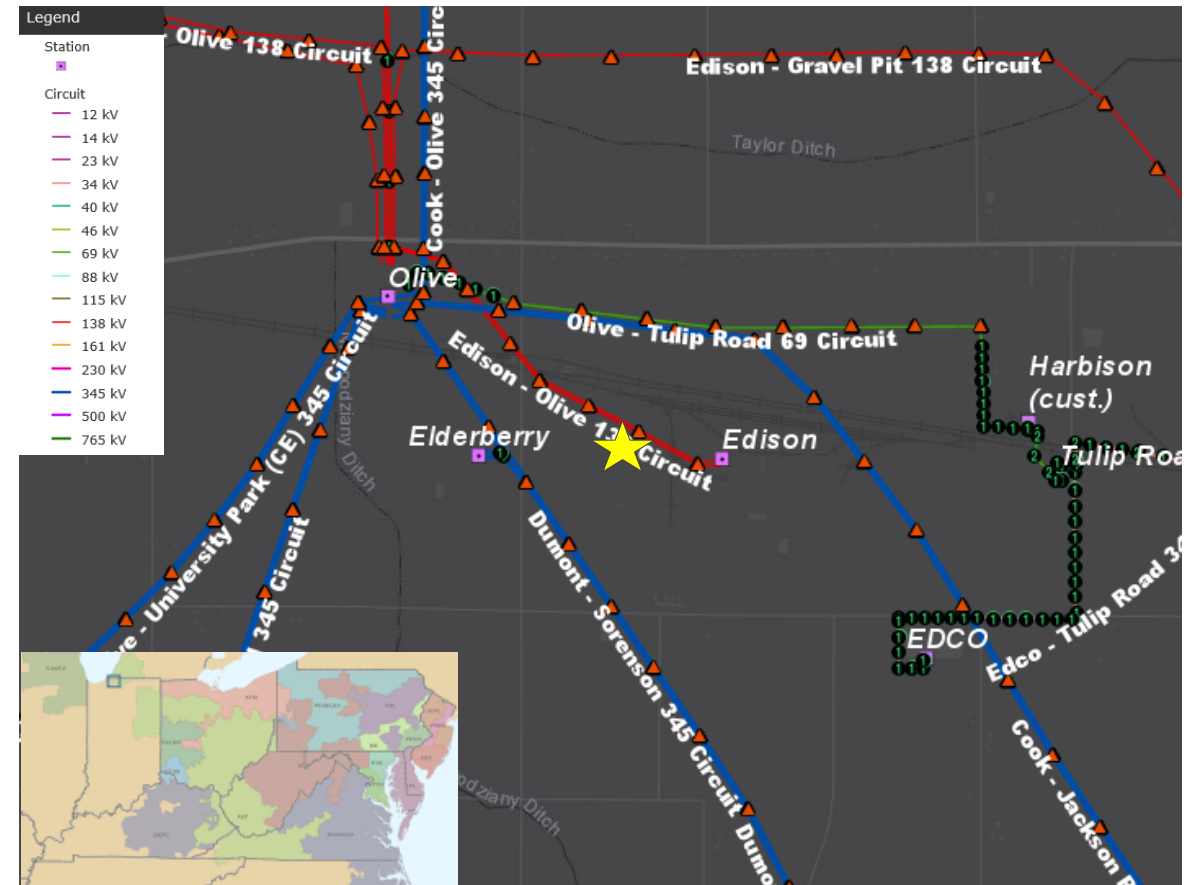
**Supplemental Project Driver:** Customer Service

**Specific Assumptions Reference:** AEP Interconnection Guidelines (AEP Assumptions Slide 7)

**Problem Statement:**

- A customer has requested new service for a ~~120 MW~~ 90 MW manufacturing facility in New Carlisle, IN area.

**Requested In Service Date:** ~~12/1/2025~~ 5/9/2028.



**Need number(s):** AEP-2023-IM020

**Process Stage:** Solution Meeting SRRTEP-W - 04/11/2025

**Proposed Solution:**

**Fillmore Road 138kV Station:** Construct a new station in a ring bus configuration consisting of six (6) 138kV 3000A 40kA breakers, three (3) 138/13.8kV 50 MVA LTC transformers, three (3) 13.8kV meters and other associated distribution equipment, and station fiber cable to serve 90MW of new load. Cut into the Olive - Edison 138kV line and construct 2.8 miles of new double circuit 138kV line to the new station.. Estimated Cost: \$11.355 M

**Olive 138kV Station:** Bring the Edison - Creek Walker 138kV line into Olive station and install three (3) new 138kV 3000A 63kA breakers to complete the "K" string and create a new line exit position.. Estimated Cost: \$19.108 M

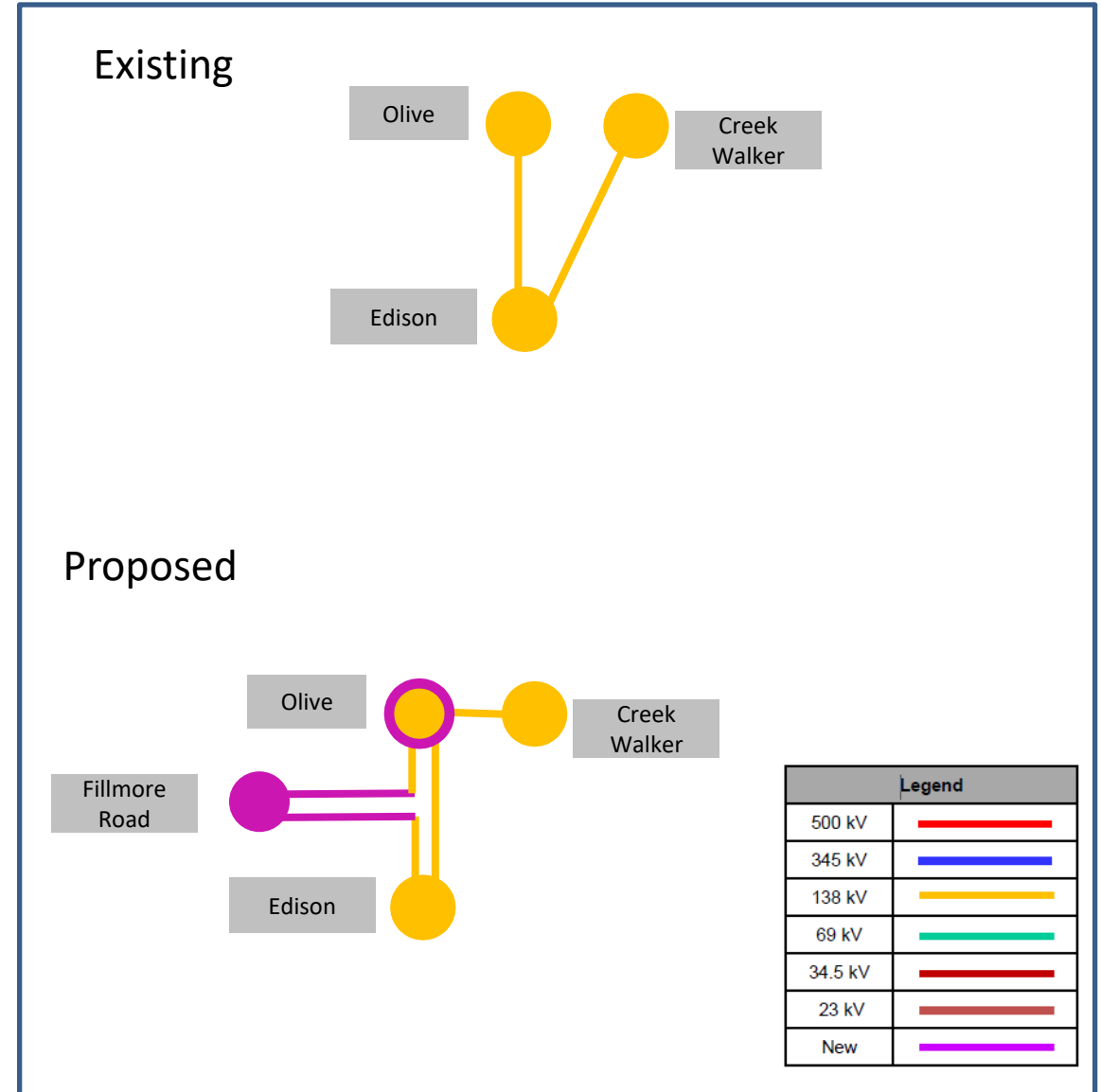
**Transmission Cost Estimate:** \$30.463 M

**Alternatives Considered:**

Considering the location of the requested load and availability of land on the customer site, no other alternates were viable.

**Projected In-Service:** 05/09/2028

**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

04/01/2025– V1 – Original version posted to pjm.com