

Transmission Expansion Advisory Committee Dayton Supplemental Projects

March 19th, 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

Need Number: Dayton-2025-009

Process Stage : Solution Meeting 03/19/2026

Previously Presented : Solution Meeting 02/03/2026, Need Meeting 10/08/2025

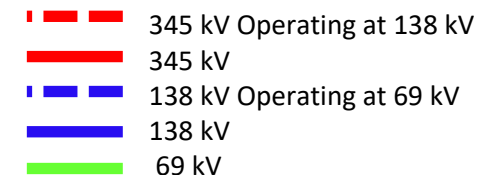
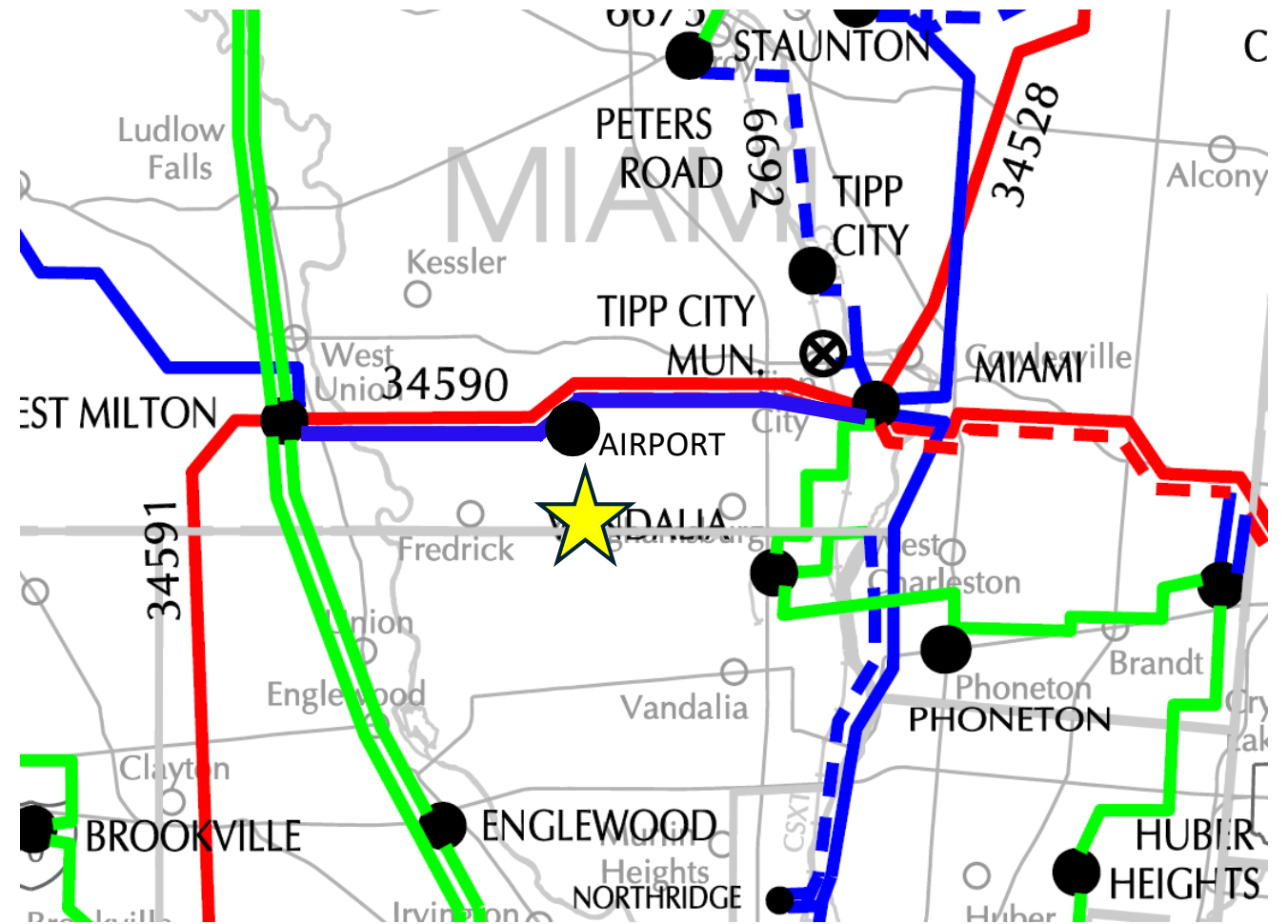
Project Driver: Customer Request

Specific Assumption Reference: Dayton Local Plan Assumptions

Problem Statement:

- AES Ohio has a customer request for service in the vicinity of its Airport Substation in Tipp City, OH.
- Total MW load requests, associated timelines, & load totals.

Requested In Service Date	Total Requested New Load
03/2028	20 MW
03/2029	160 MW
03/2030	300 MW



Model: 2024 RTEP Series, 2029 Summer Case

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Process Stage: Solution Meeting 03/19/2026

Previously Presented: Solution Meeting 02/03/2026, Need Meeting 10/08/2025

Project Driver: Customer Request

Specific Assumption Reference: Dayton Local Plan Assumptions

Solution:

- Construct a new 138kV substation “Union” near the customer site with a breaker-and-a-half configuration by cutting into the existing 13807 from West Milton to Airport Substation. Install two 30.6 MVAR capacitor banks at the Union substation. **New Expected Ratings:** SN:478 MVA, SE:478 MVA, WN:478 MVA, WE:478 MVA **Estimated Cost:** \$14.4M
- Extend two 138kV feeds from the new Union substation to the customer. **New Expected Ratings:** SN:478 MVA, SE:478 MVA, WN:478 MVA, WE:478 MVA **Estimated Cost:** \$2M
- Remote end work at West Milton and Airport 138 kV substations. **Estimated Cost:** \$9.4M

Total Estimated Transmission Cost: \$25.8M

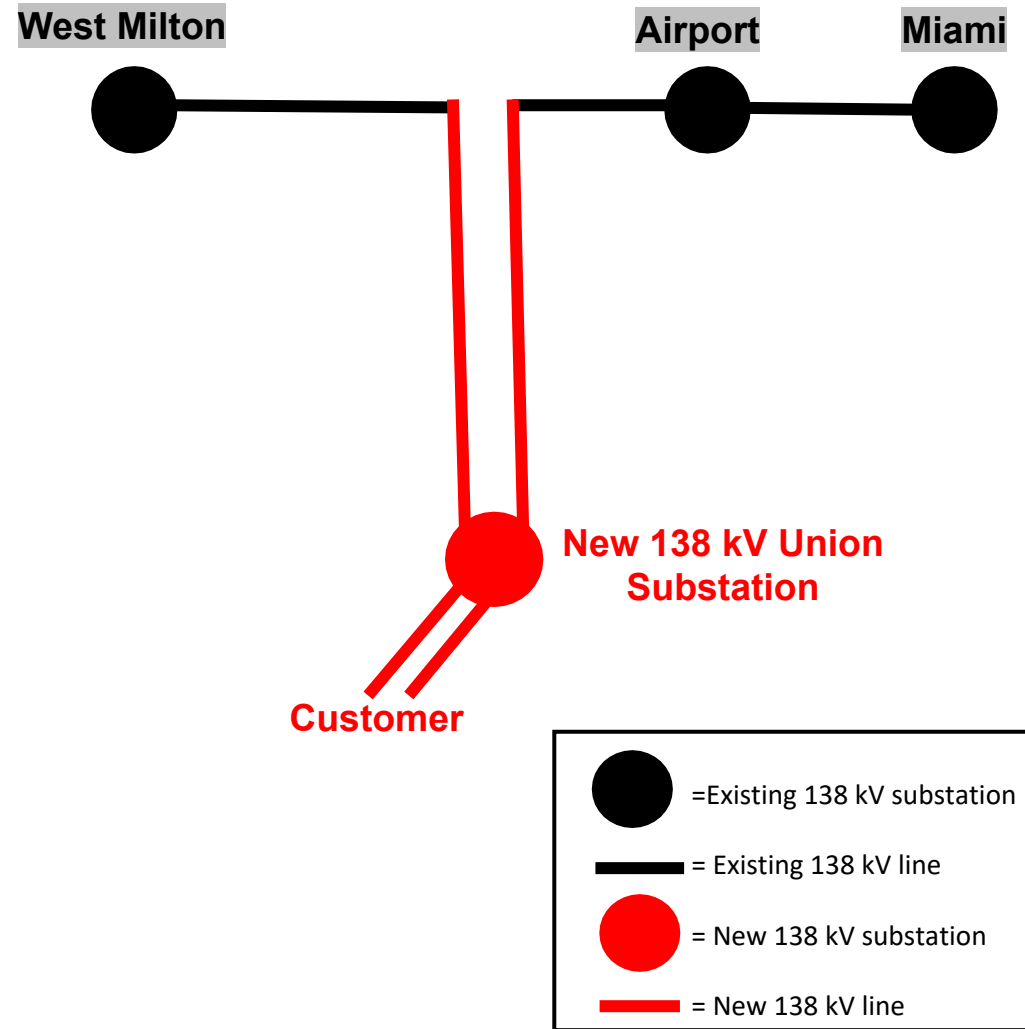
Project In-Service Date: 12/31/2029

Alternatives:

The option to rebuild the Airport 138 kV substation to accommodate customer feeds was not chosen due to its high cost and the requirement for extended outages.

Project Status: Conceptual

Model: 2024 RTEP Series, 2029 Summer Case



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

3/3/2026 – V1 original version posted in PJM.com