Transmission Expansion Advisory Committee: AEP Supplemental Projects

April 7, 2026

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
Beacon, OH

Need Number: AEP-2026-OH007

Process Stage: Need Meeting 04/07/2026

Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP A ssumptions Slide 12)

Problem Statement:

A customer has requested a load increase of 185 MW at an existing service in Hilliard, Ohio. This request will bring the peak total load at this location to 310 MW.

AEP Transmission Zone M-3 Process
Green Chapel, OH

Need Number: AEP-2026-OH009

Process Stage: Need Meeting 04/07/2026

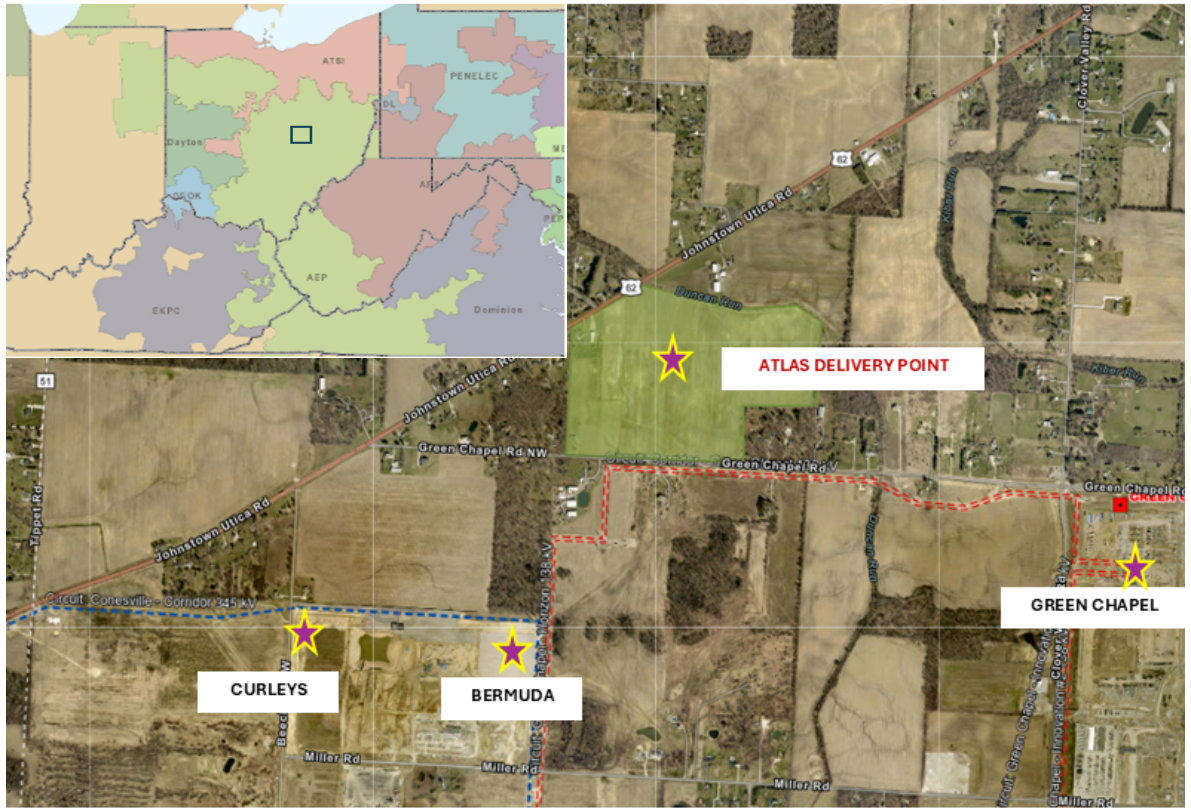
Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP A ssumptions Slide 12)

Problem Statement:

A customer has requested 415 MW of load in Johnstown, Ohio with a requested in service date of 06/01/2030.



AEP Transmission Zone M-3 Process
Vassell, OH

Need Number: AEP-2026-OH010

Process Stage: Need Meeting 04/07/2026

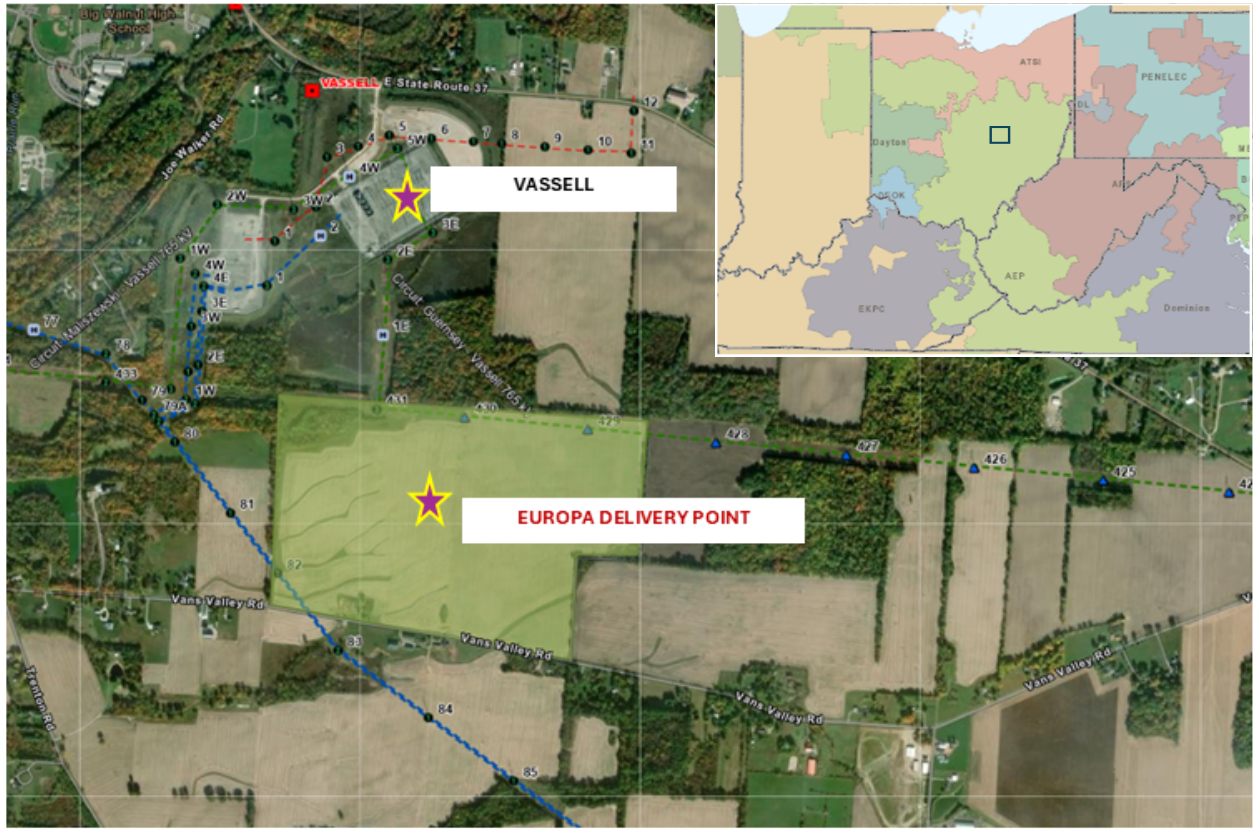
Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP A ssumptions Slide 12)

Problem Statement:

A customer has requested a new delivery point in Sunbury, Ohio with an ultimate peak demand of 787 MW. The requested ISD is 06/01/2030.



AEP Transmission Zone M-3 Process Corridor, OH

Need Number: AEP-2026-OH011

Process Stage: Need Meeting 04/07/2026

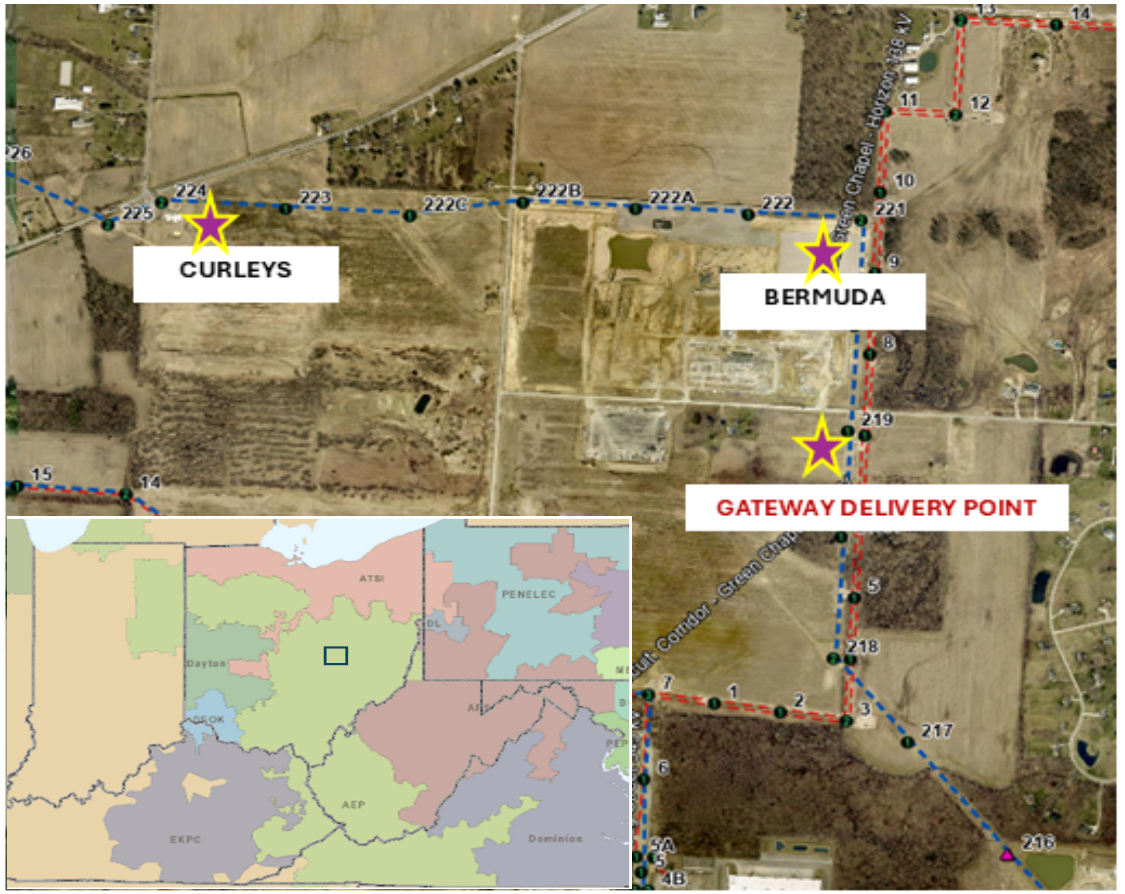
Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP A ssumptions Slide 12)

Problem Statement:

A customer has requested a new delivery point to serve 429 MW of load in New Albany, OH. The requested ISD is 06/01/2030



AEP Transmission Zone M-3 Process
Bixby, OH

Need Number: AEP-2026-OH015

Process Stage: Need Meeting 04/07/2026

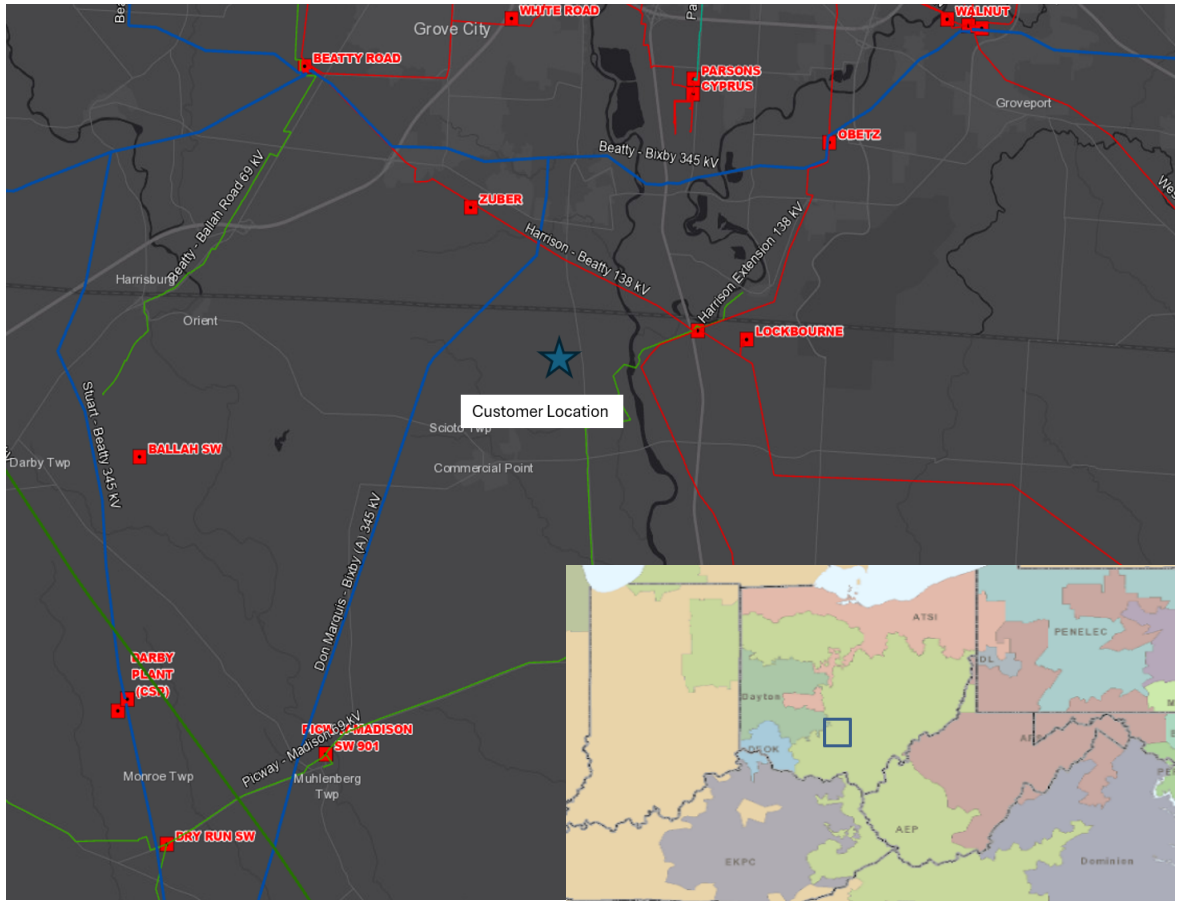
Project Driver: Customer Service

Specific Assumption References:

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

Problem Statement:

A customer has requested a new delivery point in Pickaway County, OH. The initial load is expected to be around 179 MW with an ultimate peak demand of 358 MW. The requested in-service date is fall of 2030.



AEP Transmission Zone M-3 Process
Corridor, OH

Need Number: AEP-2026-OH019

Process Stage: Need Meeting 04/07/2026

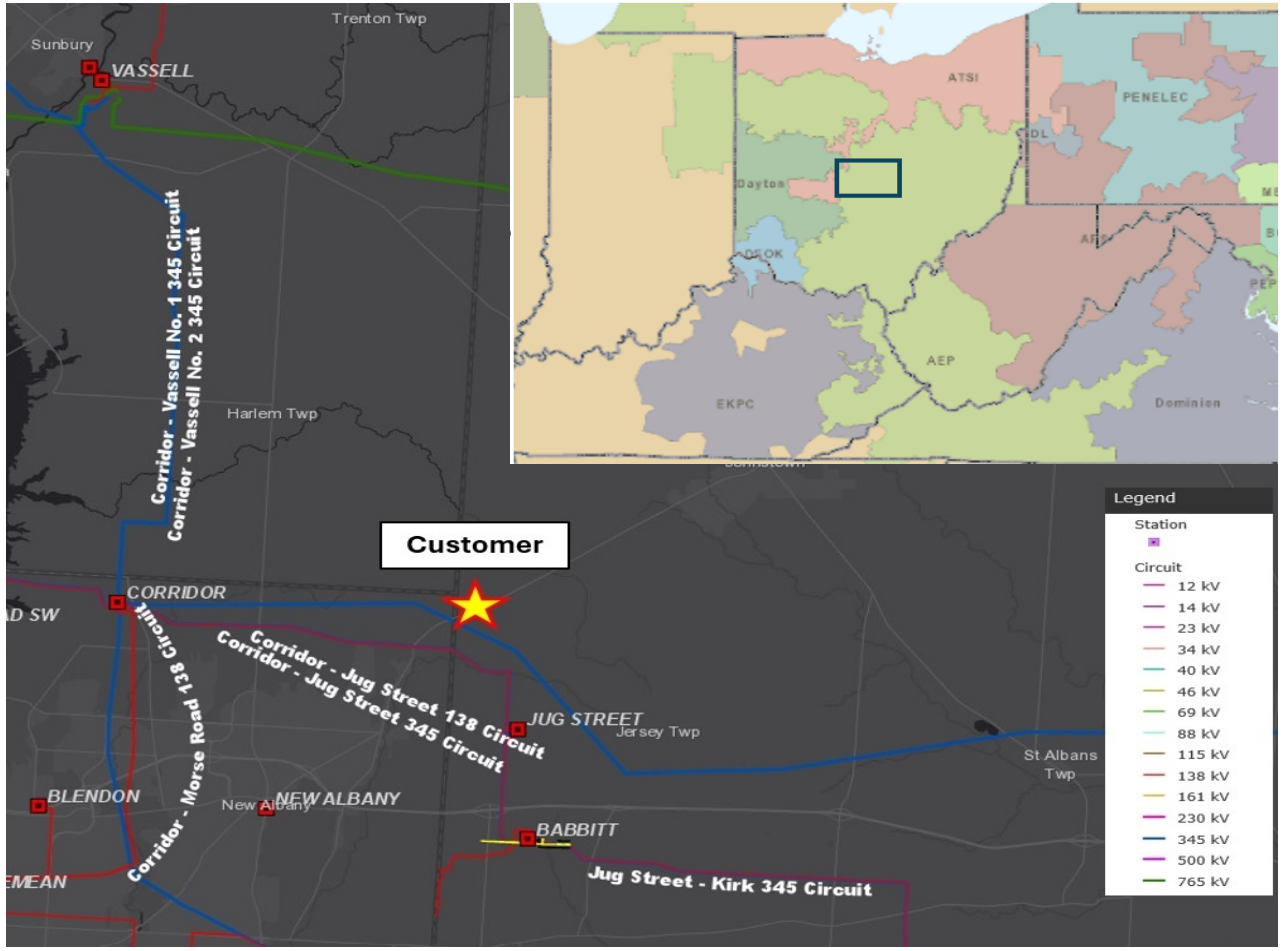
Project Driver: Customer Service

Specific Assumption References:

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

Problem Statement:

A customer has requested a 638 MW load increase at their proposed delivery point from the ongoing Curleys substation project (S3442.8) located in New Albany, OH.



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
Don Marquis, OH

Need Number: AEP-2026-OH004

Process Stage: Solution Meeting TEAC - 04/07/2026

Previously Presented: Need Meeting 02/03/2026

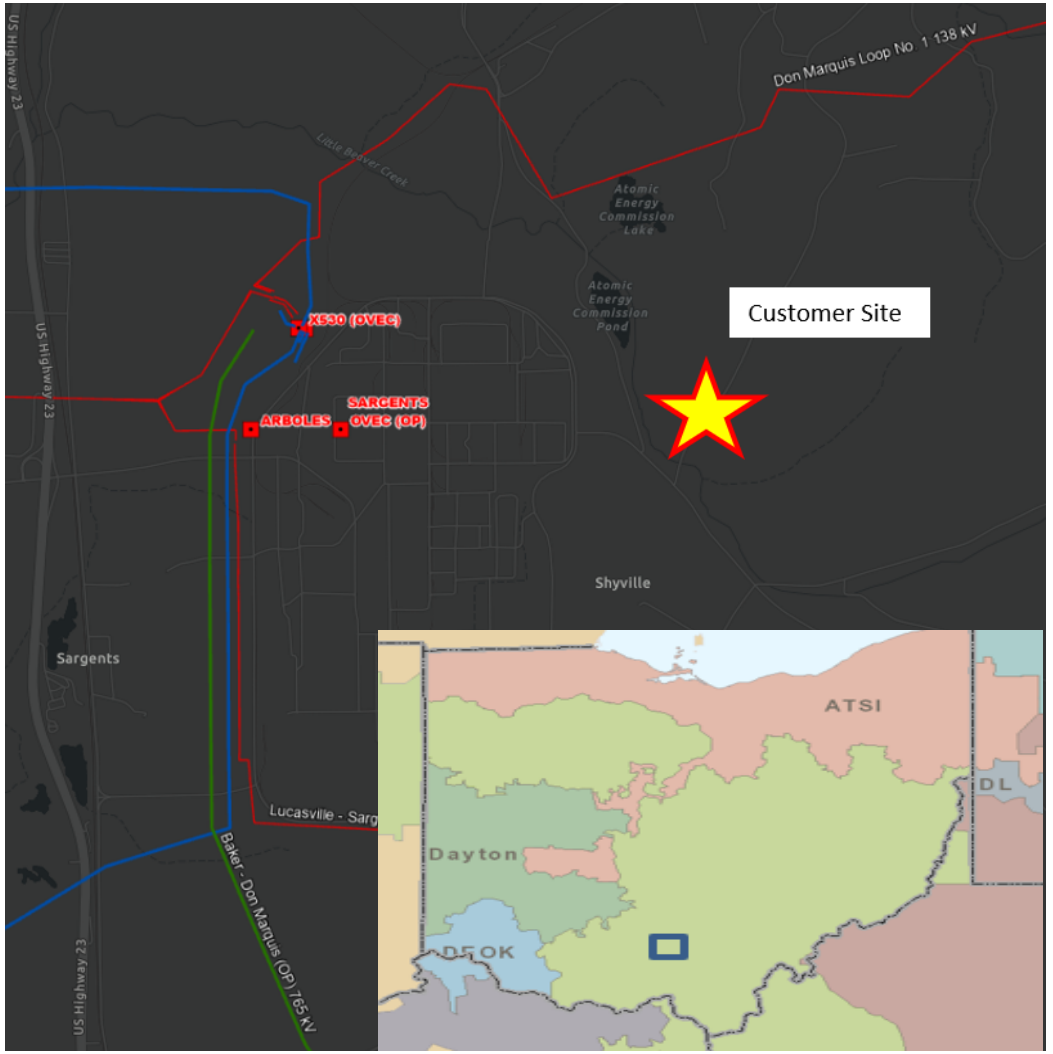
Project Driver: Customer Service

Specific Assumption References:

AEP Connection Requirements for the AEP Transmission System (AEP A ssumptions Slide 12)

Problem Statement:

A customer has requested service for 800 MW of new demand near Piketon, OH. The requested in-service date is 12/2027.



AEP Transmission Zone M-3 Process
Don Marquis, OH/Monza, OH/Customer, OH

Need number(s): AEP-2026-OH004

Process Stage: Solution Meeting TEAC - 04/07/2026

Proposed Solution:

Don Marquis - Monza 345kV #1: Construct 1.8-mile 345kV single circuit transmission line from Don Marquis to the new Monza Station. Estimated Cost: $7.5 M

Monza 345kV Station: Construct greenfield 345kV ring bus switching station, comprising of six (6) 345kV 63kA 5000A breakers and a 150 MVAR STATCOM. Estimated Cost: $131.5 M

Monza 345kV Customer Feed Ckt 1: Greenfield 345kV 0.2-mile transmission feed from Monza Station to customer site. Estimated Cost: $0.5 M

Monza 345kV Customer Feed Ckt 2: Greenfield 0.2-mile 345kV transmission feed from Monza Station to customer site. Estimated Cost: $0.5 M

Don Marquis 345kV: Install four (4) 63kA 5000A breakers for two (2) additional feeds to a new switching station Monza. Estimated Cost: $9.1 M

Don Marquis - Monza 345kV #2: Construct a second 1.8-mile 345kV single circuit transmission line from Don Marquis to the new Monza Station. Estimated Cost: $7.5 M

Transmission Cost Estimate: $156.6 M

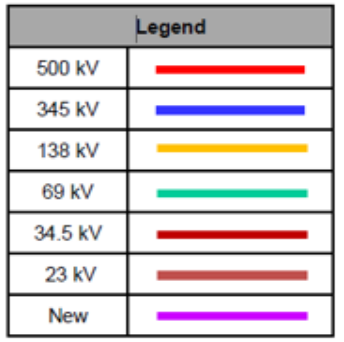
Alternatives Considered:

Considering the final location of the request and availability for new connections out of Marquis station, no other viable transmission alternates were identified.

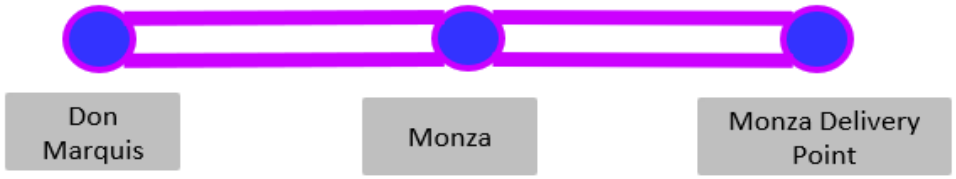
Projected In-Service: 12/31/2027

Project Status: Scoping

Existing:



Proposed:



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

03/27/2026 – V1 – Original version posted to pjm.com