

# Transmission Expansion Advisory Committee FirstEnergy Supplemental Projects

January 7, 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

**Need Number:** ATSI-2025-005

**Process Stage:** Need Meeting 02/04/2025

**Project Driver:** Other

**Specific Assumption References:**

Other (External Public Utility)

## Problem Statement:

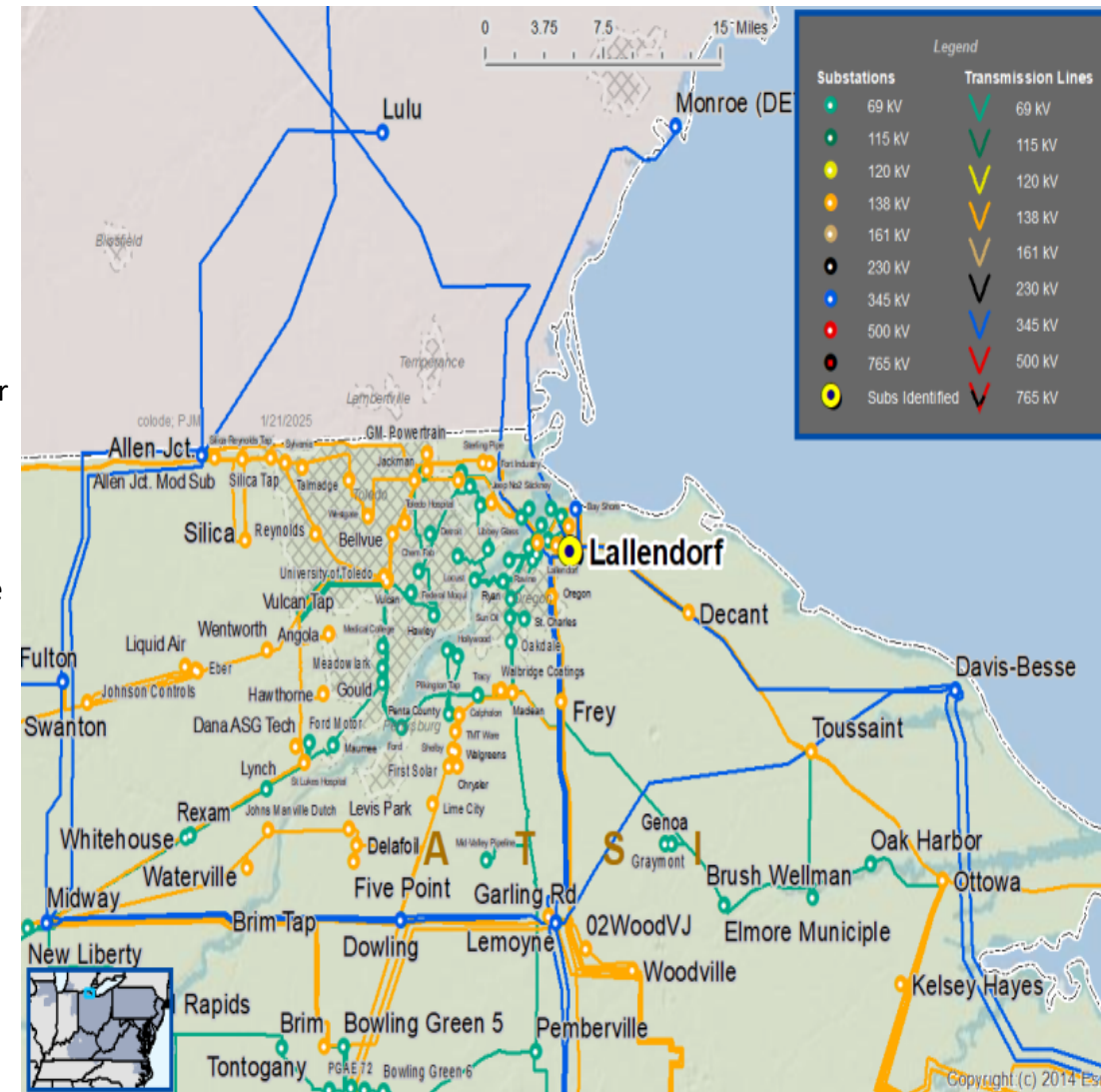
As part of its Long-Range Transmission Planning process (LRTP), MISO identified transmission overload and congestion issues through the Midwest region of the MISO transmission system that indicated a need for a MISO high voltage regional transmission backbone in the 10-year and 20-year planning horizons.

In September 2024, MISO posted its draft 2024 MISO Transmission Expansion Plan (MTEP24) Appendix A for all facilities in the LRTP Tranche 2.1 Portfolio. The Appendix A facility-level details identified transmission facility work in PJM impacting the ATSI zone that is needed to accommodate the portfolio of MISO projects. MISO indicated assignment to PJM Transmission Owners for work in PJM associated with addressing MISO Appendix A identified transmission facility work in PJM.

In Appendix A, MISO has requested:

Construction of a new MISO substation (Laplaisance Creek) interconnecting the Lallendorf- Monroe 345 kV Line. To facilitate this, work will be needed at the ATSI owned Lallendorf Substation.

MISO requested an in-service date of 6/1/2032.



**Need Number:** ATSI-2025-004

**Process Stage:** Need Meeting 02/04/2025

**Project Driver:** Other

**Specific Assumption References:**

Other (External Public Utility)

## Problem Statement:

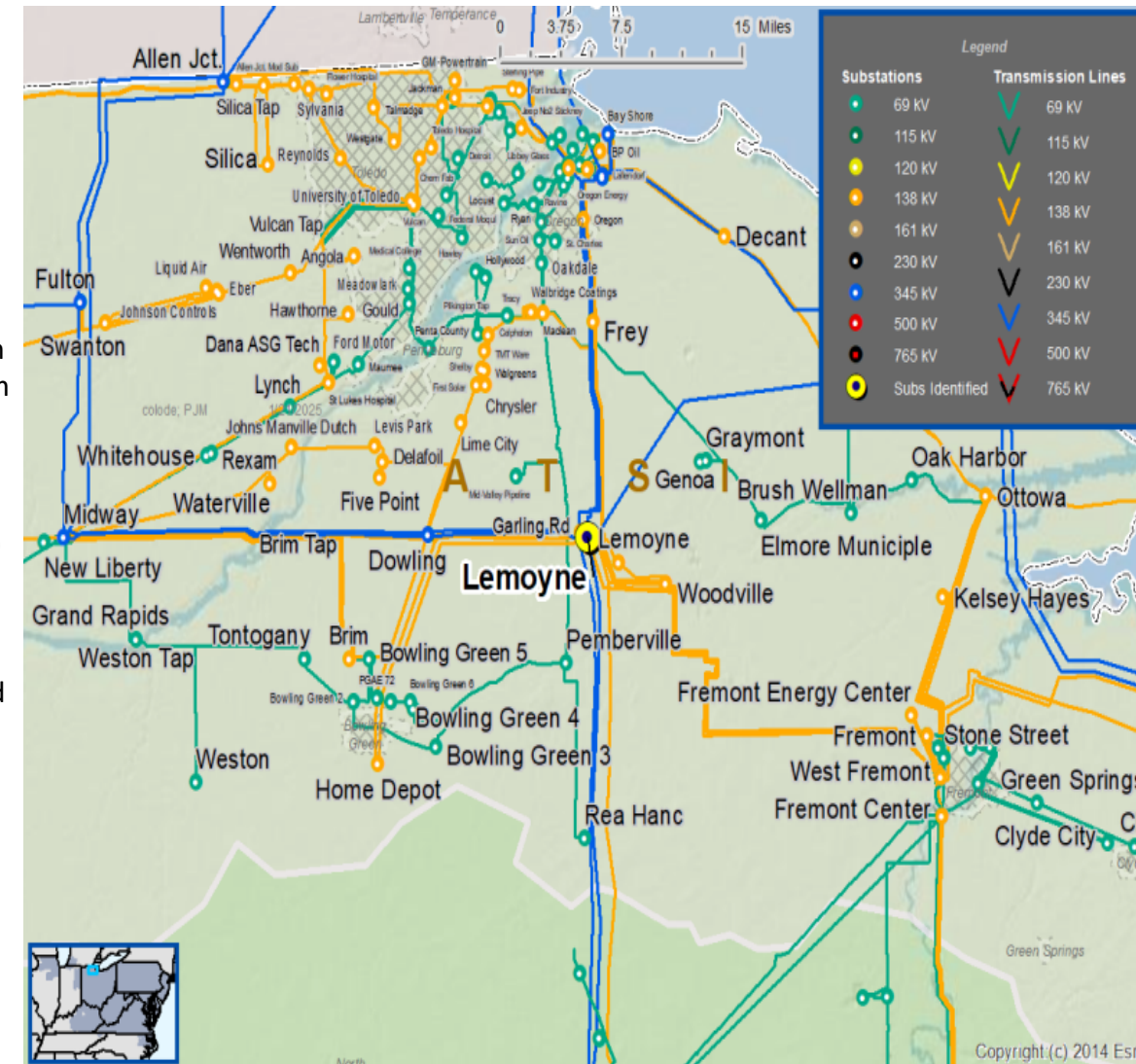
As part of its Long-Range Transmission Planning process (LRTP), MISO identified transmission overload and congestion issues through the Midwest region of the MISO transmission system that indicated a need for a MISO high voltage regional transmission backbone in the 10-year and 20-year planning horizons.

In September 2024, MISO posted its draft 2024 MISO Transmission Expansion Plan (MTEP24) Appendix A for all facilities in the LRTP Tranche 2.1 Portfolio. The Appendix A facility-level details identified transmission facility work in PJM impacting the ATSI zone that is needed to accommodate the portfolio of MISO projects. MISO indicated assignment to PJM Transmission Owners for work in PJM associated with addressing MISO Appendix A identified transmission facility work in PJM.

In Appendix A, MISO has requested:

Construction of a new MISO substation (Laplaisance Creek) interconnecting the Lemoyne - Maple (Majestic) 345 kV Line. To facilitate this, work will be needed at the ATSI owned Lemoyne Substation.

MISO requested an in-service date of 6/1/2032.



# 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

1/24/2025– V1 – Original version posted to pjm.com

2/5/2025 – V2 – Updated zone name to “ATSI Transmission Zone”