

Subregional RTEP Committee – Western FirstEnergy Supplemental Projects

June 17, 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

Need Number: ATSI-2026-041
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service

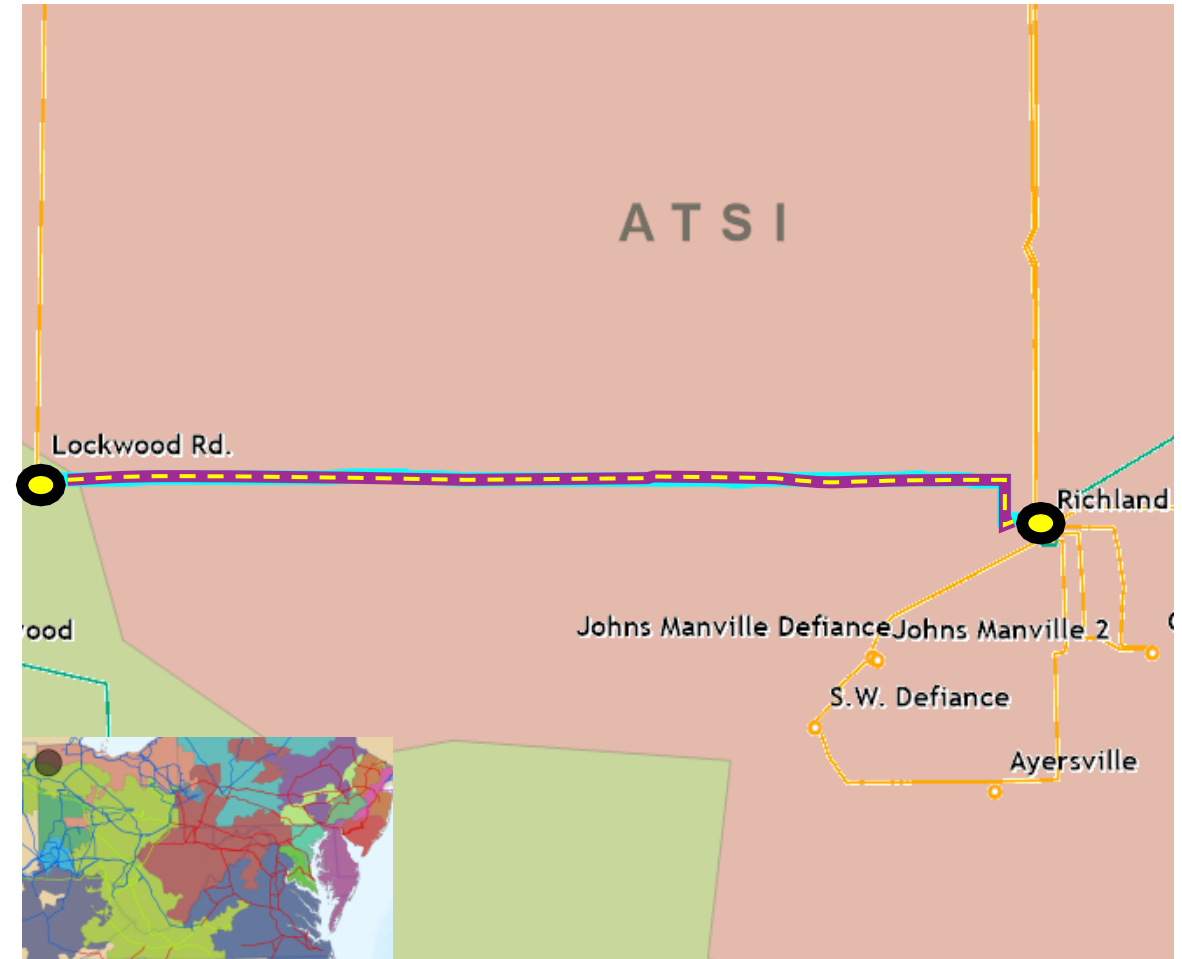
Specific Assumption Reference:

New Customer connection request will be evaluated based on FirstEnergy's "Requirements for Transmission Connected Facilities" document and FirstEnergy's "Transmission Planning Criteria" document

Problem Statement:

New Customer Connection - A customer requested 138 kV service for load of approximately 120 MVA near the Lockwood Road - Richland 138 kV Line. The request is approximately seven miles from Richland Substation.

Requested in-service date is 01/01/2030.



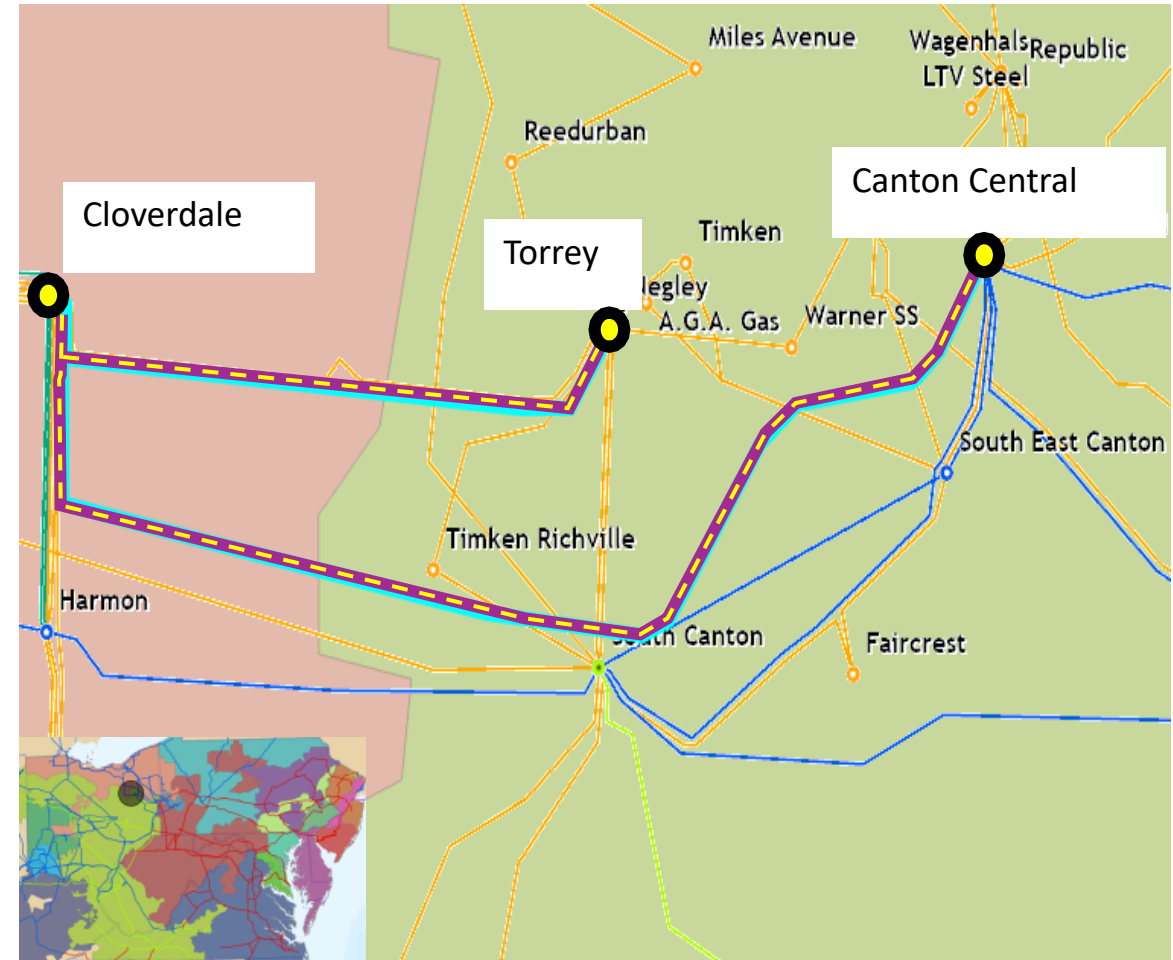
Need Number: ATSI-2026-044
Process Stage: Need Meeting 06/17/2026
Project Driver: Customer Service

Specific Assumption Reference:

New Customer connection request will be evaluated based on FirstEnergy's "Requirements for Transmission Connected Facilities" document and FirstEnergy's "Transmission Planning Criteria" document

Problem Statement:

New Customer Connection - A customer has requested two new 138 kV delivery points near the Cloverdale - Torrey 138 kV Line and the Canton Central - Cloverdale 138 kV Line. The anticipated load of the new customer connection is 90 MVA (45 MVA on each line). The request is approximately 0.2 miles from Cloverdale Substation.



Need Number: ATSI-2026-045
Process Stage: Need Meeting 06/17/2026
Project Driver: Equipment Condition/Performance/Risk

Specific Assumption Reference:

- System Performance Global Factors
- System reliability/performance
- Substation/Line equipment limits
- Line Condition Rebuild/Replacement
- Age/condition of wood-pole transmission line structures

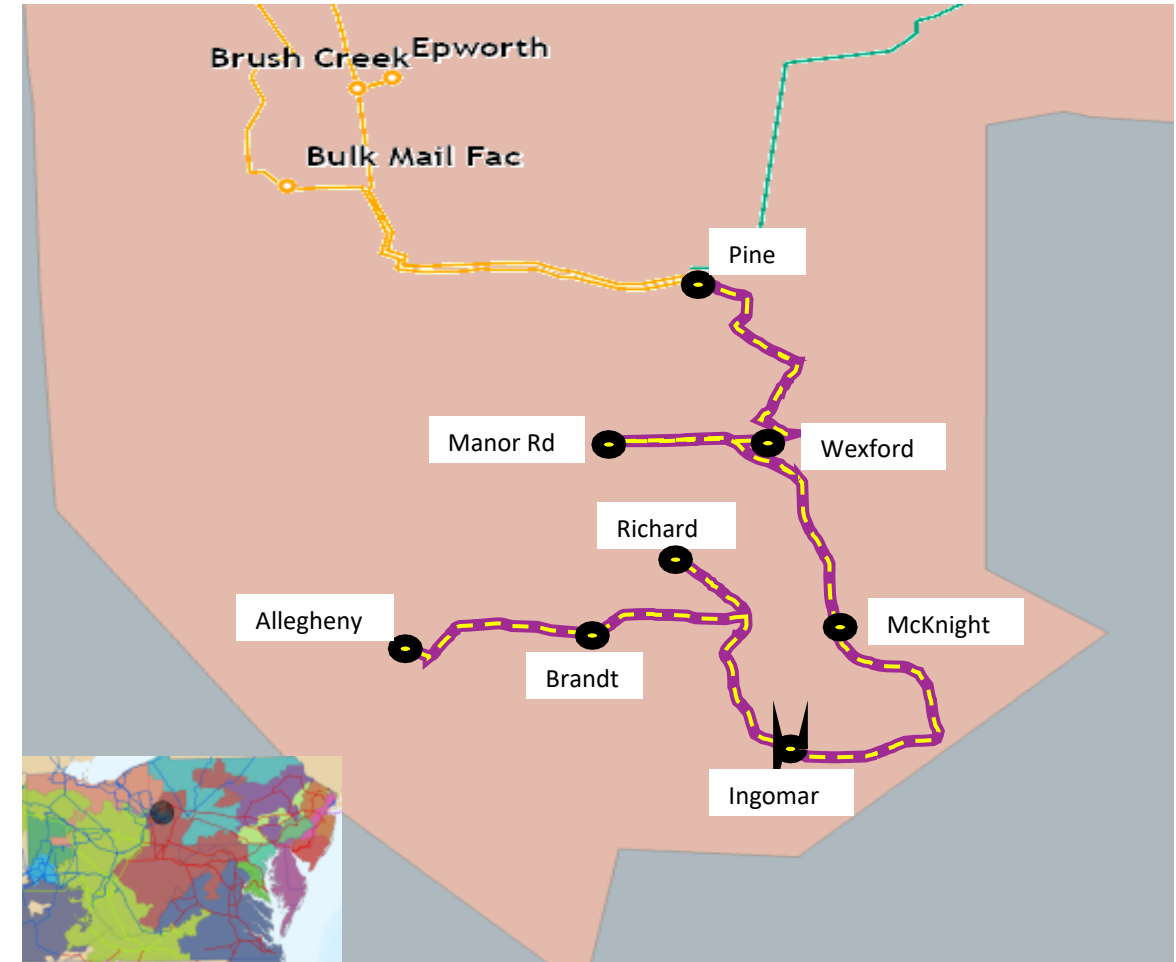
Problem Statement:

The Ingomar (Pine) 69 kV Line was constructed approximately 65 years ago and is approaching end of life. It is 13.5 miles long with 326 wood-pole transmission line structures.

Per recent inspections, the line is exhibiting deterioration. Inspection findings include:

- 173 of wood-poles with measurable shell rot
- 46 of wood-poles with internal or external pockets of decay

In the past five years, there have been two AC equipment failures resulting in unscheduled, sustained outages.



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Problem Statement (Cont’):

Existing Pine-Wexford Tap 69 kV Transmission Line and Conductor Ratings:

- 139 / 169 / 158 / 201 MVA (SN/SE/WN/WE)

Existing Wexford Tap-Manor Road Tap 69 kV Transmission Line and Conductor Ratings:

- 100 / 121 / 113 / 143 MVA (SN/SE/WN/WE)

Existing Manor Road Tap-Manor Road 69 kV Transmission Line and Conductor Ratings:

- 139 / 169 / 158 / 201 MVA (SN/SE/WN/WE)

Existing Richard Tap-Brandt Tap 69 kV Transmission Line and Conductor Ratings:

- 47 / 56 / 53 / 67 MVA (SN/SE/WN/WE)

Existing Brandt Tap-Brandt 69 kV Transmission Line and Conductor Ratings:

- 47 / 56 / 53 / 67 MVA (SN/SE/WN/WE)

Existing Brandt Tap-Allegheny 69 kV Transmission Line and Conductor Ratings:

- 82 / 103 / 108 / 124 MVA (SN/SE/WN/WE)

Existing Manor Road Tap-McKnight Tap 69 kV Transmission Line and Conductor Ratings:

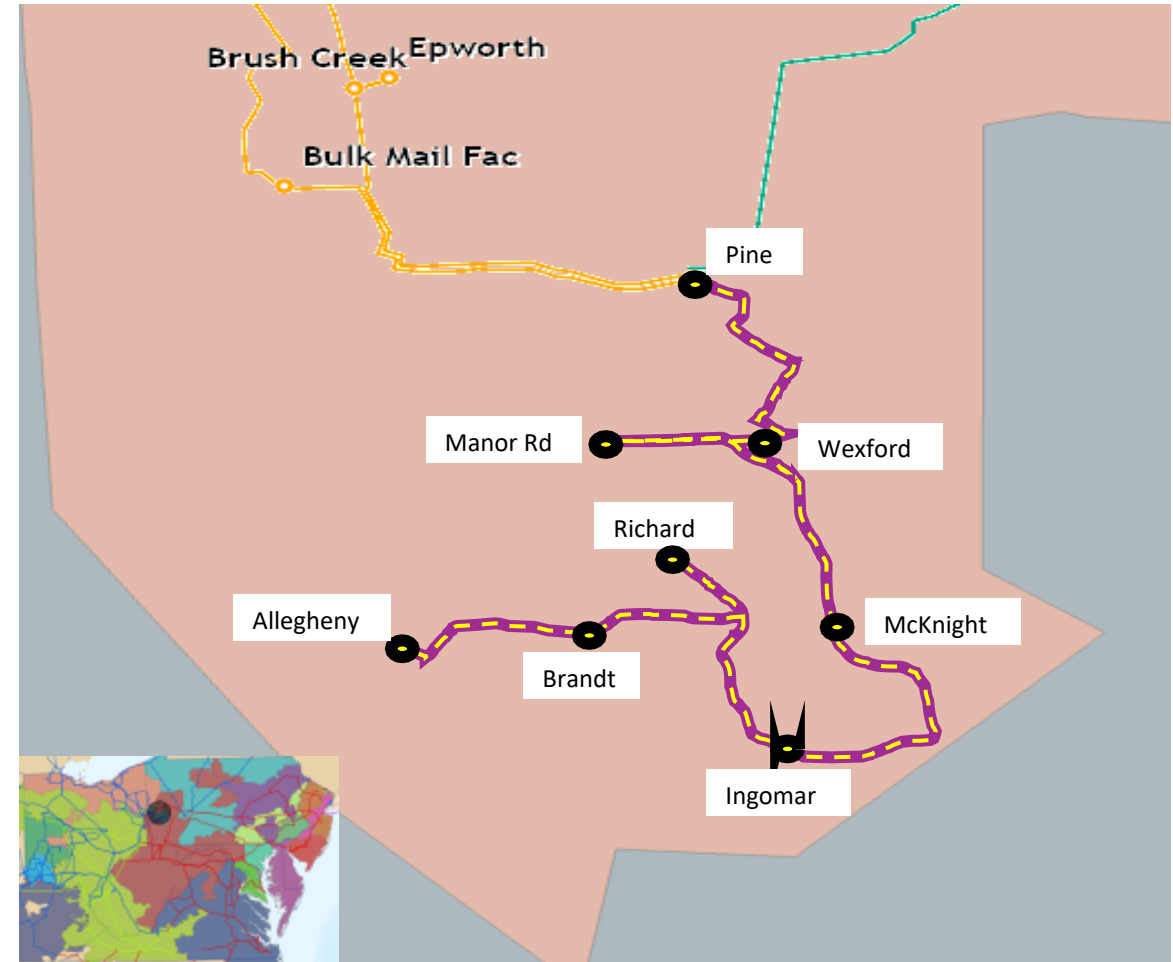
- 63 / 78 / 79 / 102 MVA (SN/SE/WN/WE)

Existing McKnight Tap-Ingomar 69 kV Transmission Line and Conductor Ratings:

- 52 / 67 / 73 / 95 MVA (SN/SE/WN/WE)

Existing Ingomar-Brandt Tap 69 kV Transmission Line and Conductor Ratings:

- 47 / 56 / 53 / 67 MVA (SN/SE/WN/WE)



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

06/xx/2026– V1 – Original version posted to pjm.com