

Subregional RTEP Committee – AMPT Supplemental Projects

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: AMPT-2025-006

Process Stage: Need Meeting 08/15/2025

Project Driver: Customer Service, Operational Flexibility and Efficiency

Specific Assumption References:

AMPT's Transmission Facilities Interconnection Requirements document

AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:

Genoa's North and South substations are served by FE's Cast – Genoa 69 kV circuit. A fault anywhere on this circuit drops all of Genoa, with no restoration until the line is sectionalized or until repairs are made. The Genoa South substation is at the end of a radial 69 kV tap off the main Cast – Genoa (FE) 69 kV circuit that can experience lengthy outages due to no ability to sectionalize.

July 2025 - forced outage of the Genoa South substation for 2 hours due to thunderstorm

AMPT Transmission Zone M3 Process Genoa, 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



Need Number: AMPT-2025-003

Process Stage: Solution Meeting SRRTEP-W - 08/15/2025

Previously Presented: Need Meeting 06/13/2025

Project Driver: Equipment Condition/Performance/Risk, Operational Flexibility and Efficiency

Specific Assumption References:

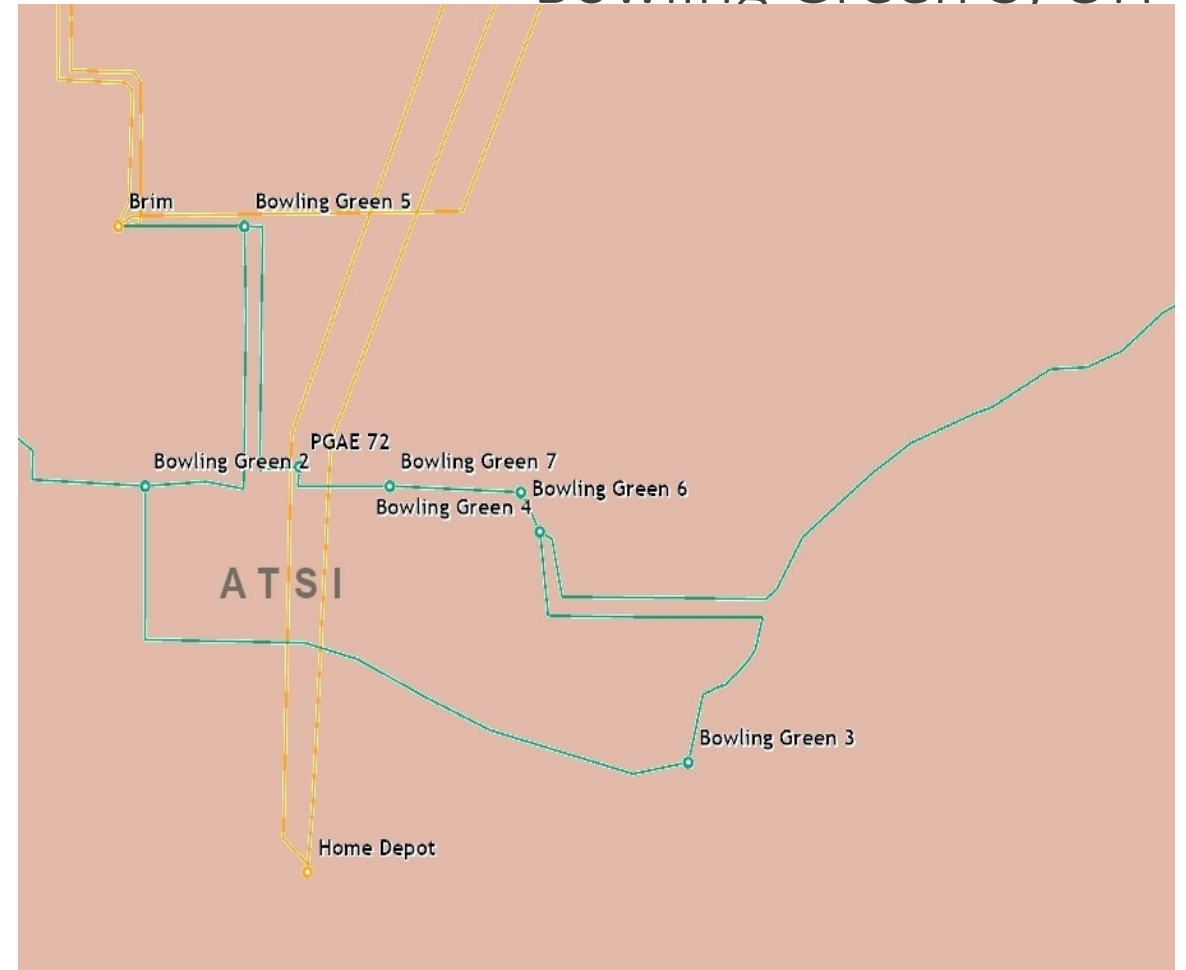
AMPT's Transmission Facilities Interconnection Requirements document
AMPT Transmission 2025 Local Planning Assumptions

Problem Statement:

Gypsy Lane's existing configuration allows for single contingencies to drop the entire station load. Additionally, both 69 kV lines exiting the substation are limited by terminal equipment. The Gypsy Lane transformers have high-side switches that require significant prep work in order to get them to open properly and are in need of replacement.

- Dec 2019, a vehicle accident caused the 69kV circuit to lock out, impacting 11,500 customers which includes 8961 customers at Sub #3 Gypsy Lane
- May 2020, a 69kV transmission line outage took out all 8961 customers served from Gypsy Lane for 60 minutes

AMPT Transmission Zone M3 Process Bowling Green 3, OH





Need Number: AMPT-2025-003

Process Stage: Solution Meeting SRRTEP-W - 08/15/2025

Proposed Solution:

Gypsy Lane (Sub3) Station:

Add one (1) new 69 kV bus tie-breaker and two (2) new 69 kV circuit switchers on the high-side of the distribution transformers and associated relaying. Upgrade all station equipment, including but not limited to, bus conductor, breaker leads, and switches so all series elements on the 69 kV are greater than or equal to 1200 A. Addition of bus-tiebreaker and circuit switchers will add new zones of protection to limit the overall tripping footprint of bus and transformer faults.

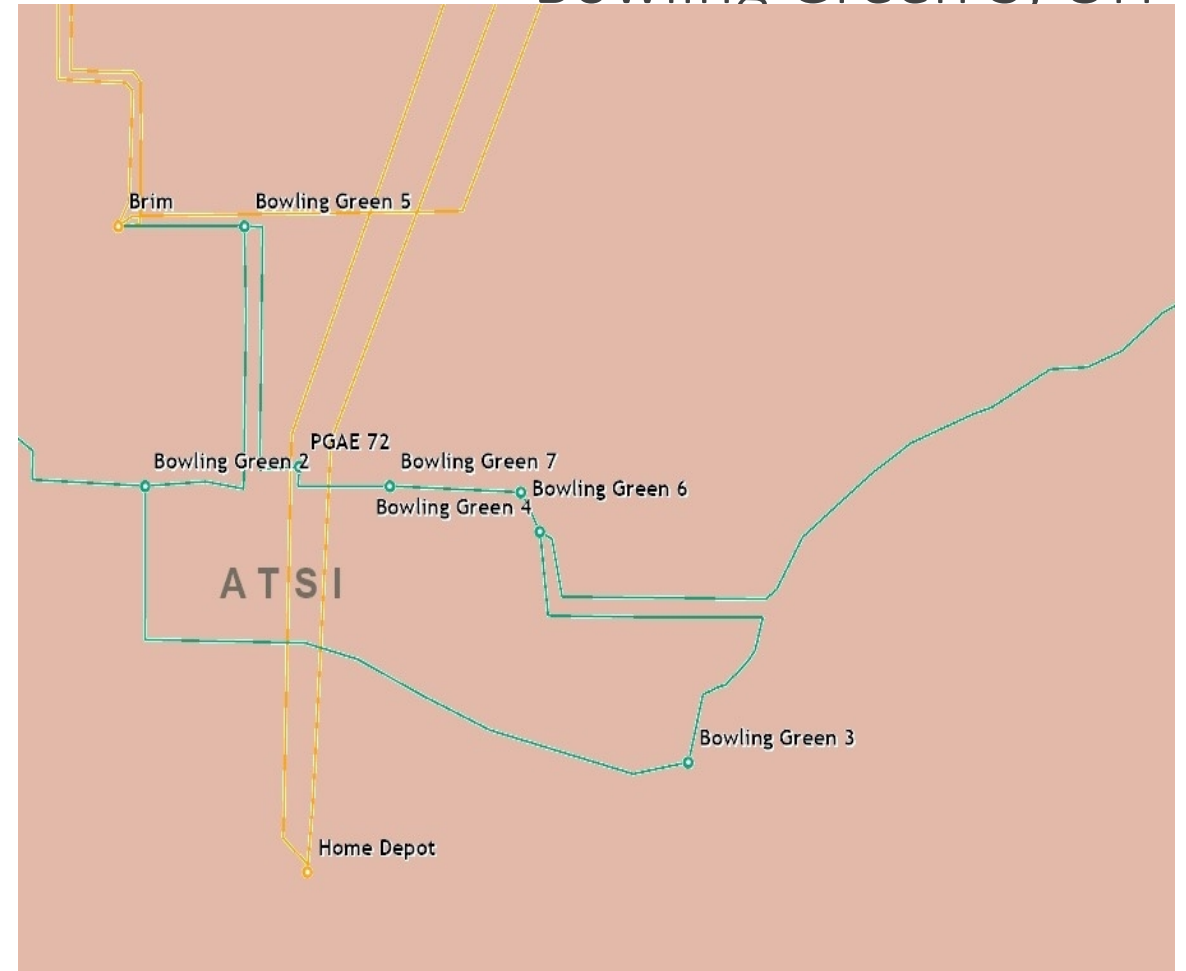
Transmission Cost Estimate: \$3.2 M

Alternatives Considered:

No viable alternatives identified

Projected In-Service: 10/30/2027

AMPT Transmission Zone M3 Process Bowling Green 3, OH



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

8/5/2025– V1 – Original version posted to pjm.com