

Sub Regional RTEP Committee: Western Dayton Supplemental Projects

Sept. 16, 2022

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: Dayton-2022-005

Process Stage: Need Meeting 9/16/2022

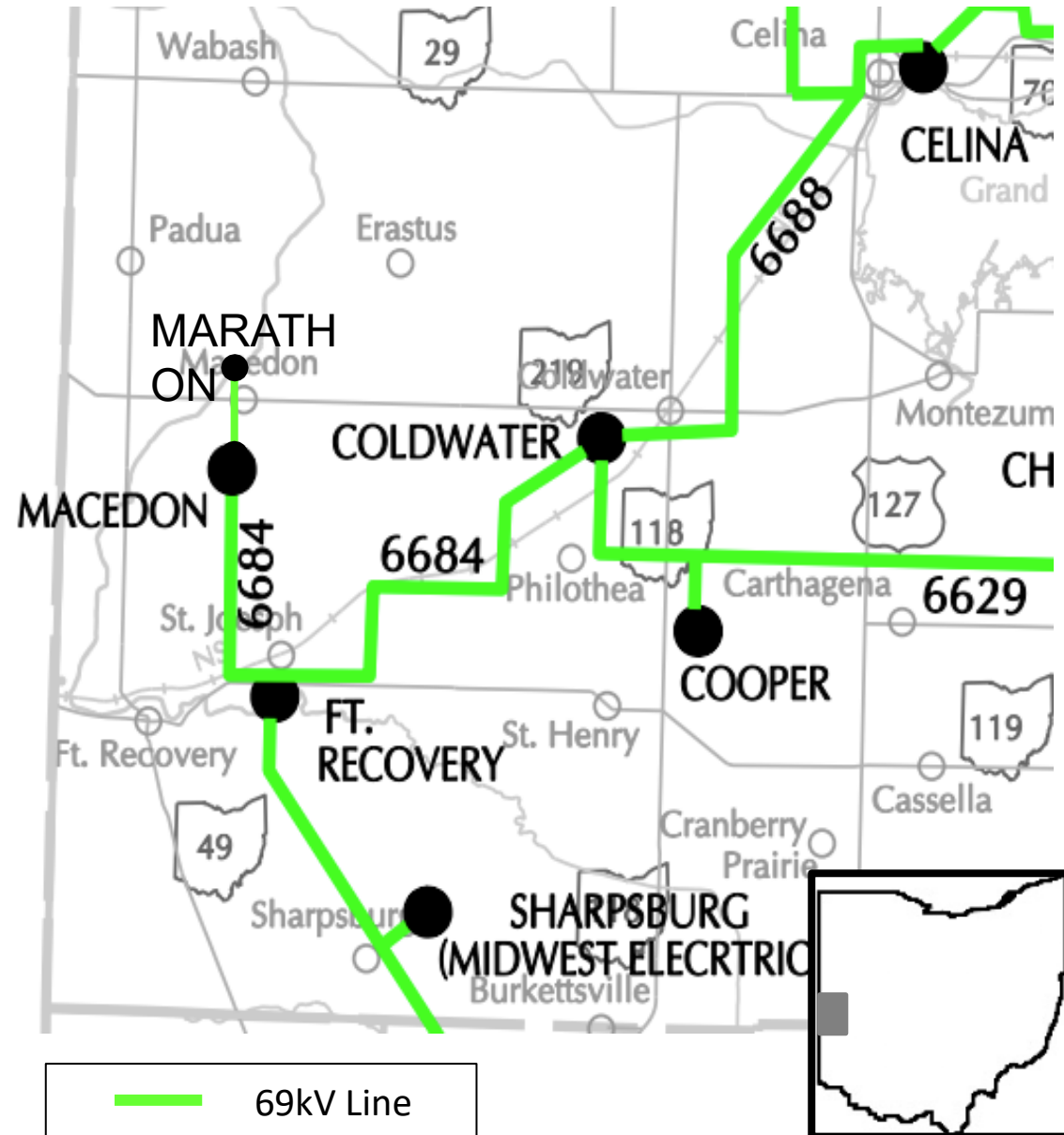
Project Driver: Equipment Material condition, Performance and Risk, Operational Flexibility and Efficiency,

Specific Assumption Reference: Dayton Local Plan Assumptions (Slide 5)

Problem Statement:

- Macedon and Marathon substations are served via a jointly owned 7.3-mile radial section of the 6684 transmission line extending from Fort Recovery. Both substations are exposed to a permanent outage resulting from a single contingency on the radial line.
 - Midwest Electric has no ability to backfeed Marathon from other sources in the area and can only backfeed Macedon under ideal circumstances.
- New customer has requested a potential new delivery point connecting into the western part of the AES Ohio system.
- The 6684-transmission circuit is approximately 28 miles long and utilizes wood pole cross arm construction.
 - In the past 5 years, this circuit has experienced 29 outages.
 - This circuit has experienced 9 permanent outages and 20 momentary outages.
- AES Ohio has an existing project (S2521.5) that will help improve the sectionalization along the 6684 circuit and strategically replace some legacy switches. But due to condition of the line we expect reliability to still be a potential issue and given the lack of sources in the area there are minimal switching solutions during outage events.

Model: 2022 RTEP Series, 2027 Summer Case



Need Number: Dayton-2022-006

Process Stage: Need Meeting 9/16/2022

Project Driver: Customer Request

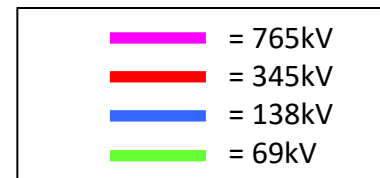
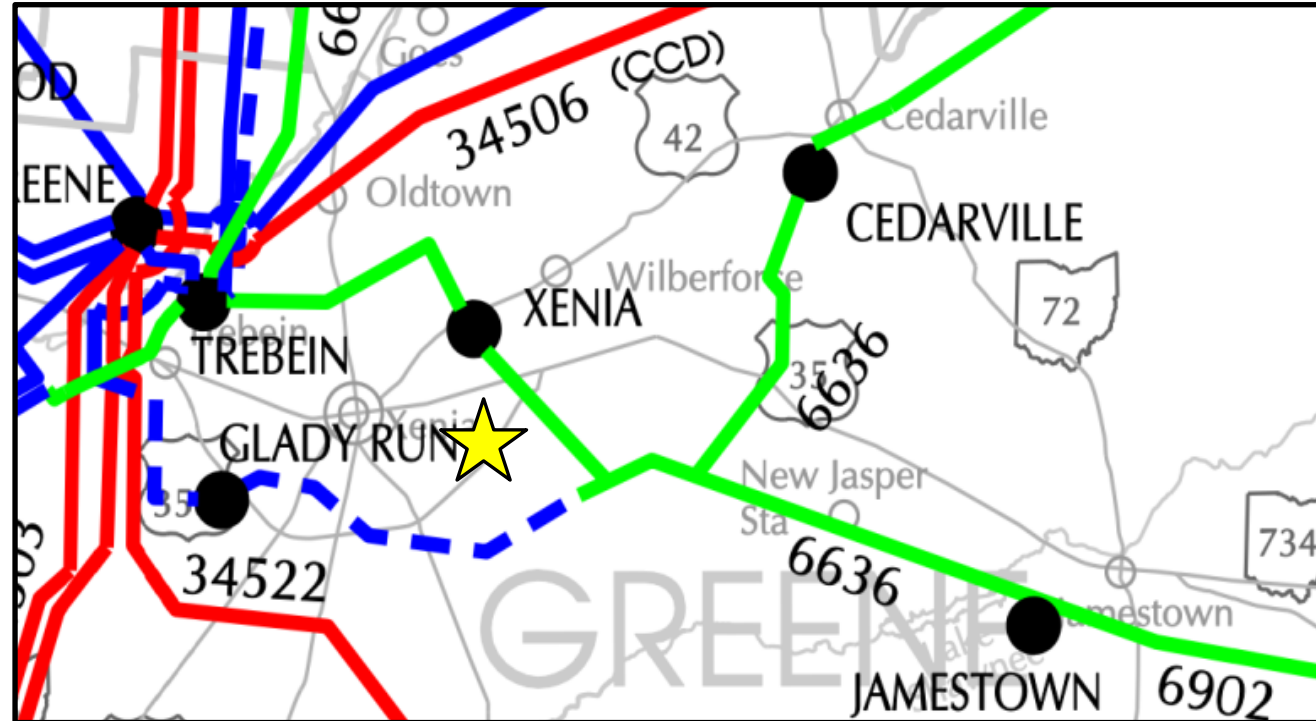
Specific Assumption Reference: Dayton Local Plan Assumptions (Slide 5)

Problem Statement:

- AES has received a customer request to establish a new interconnect in the vicinity of Xenia substation
- Total MW load request, associated timelines & load totals

In-Service Date	Total New Connected Load
2022	1
2023	5.5
2026	11

Model: 2022 RTEP Series, 2027 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

9/6/2022 – V1 – Original version posted to pjm.com