

Transmission Expansion Advisory Committee DEOK Supplemental Projects

Sep 13, 2024

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: DEOK-2024-006

Process Stage: Solutions Meeting 09/13/2024

Previously Presented: Needs Meeting 06/04/2024

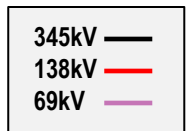
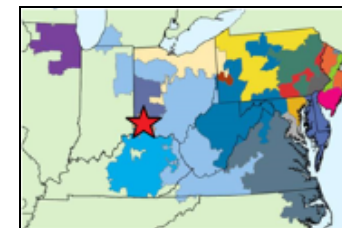
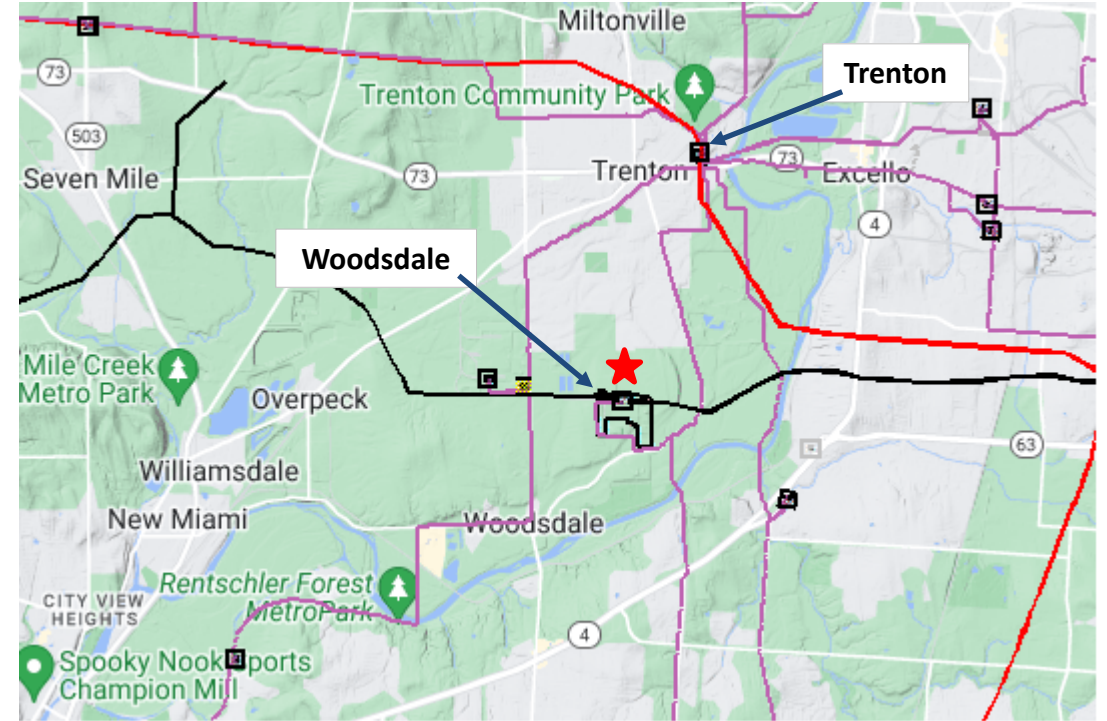
Project Driver: Customer Service

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 6

Problem Statement:

A new customer has requested transmission service near Trenton in Butler County, OH. The initial load is expected to be 15 MW in 2025, ramping to 500 MW in 2028.



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Potential Solution:

Supply the customer facility with two feeds from the directly adjacent Woodsdale 345 kV substation by expanding and modifying the Woodsdale ring-bus into a breaker-and-a-half configuration. Seven new 345kV circuit breakers with associated equipment will be required.

Alternatives: There are no viable alternatives to supply a load of this magnitude at this location.

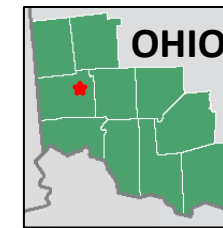
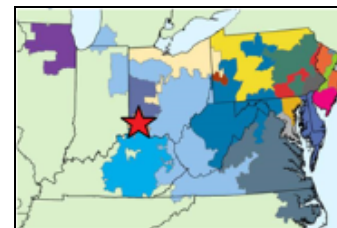
Estimated Transmission Cost: \$36.2M

Proposed In-Service Date: 3/1/2026

Project Status: Scoping

Model: 2023 RTEP

**Bubble Diagram Not Applicable
Station Modifications Only**



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

9/3/2024 – V1 – Original version posted to pjm.com