

Subregional RTEP Committee - Western DEOK Supplemental Projects

April 19, 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-2023-005

Process Stage: Solutions Meeting 04/19/2024

Previously Presented: Needs Meeting 04/21/2023

Project Driver: Equipment Condition, Performance and Risk

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slides 6 & 7

Potential Solution:

Replace CB 961 with a new gas filled circuit breaker, the CB 961 disconnects and bus conductor. Replace CB 962 with a new gas filled circuit breaker, the CB 962 disconnects and bus conductor. Replace the disconnects and bus conductor for CBs 964 and 967. While scoping the project these were found to be the same vintage and condition as those for CBs 961 and 962.

Alternatives: none

Ancillary Benefits: The 138 kV bus connects to a 345/138 kV transformer through CB 962. The new breaker increases the summer B and C ratings for the transformer path from 498/498 MVA to 509/509 MVA.

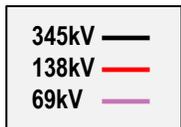
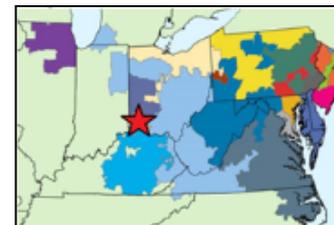
Estimated Transmission Cost: \$4,980,000

Proposed In-Service Date: 04/28/2025

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

4/5/2024 – V1 – Original version posted to pjm.com