Transmission Expansion Advisory Committee
DEOK Supplemental Projects

Nov 13, 2026

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

DEOK Transmission Zone M-3 Process
US_PO_SH 69 kV Substation Retirement

Need Number: DEOK-2026-007

Process Stage: Solutions Meeting 11/13/2026

Previously Presented: Needs Meeting 10/16/2026

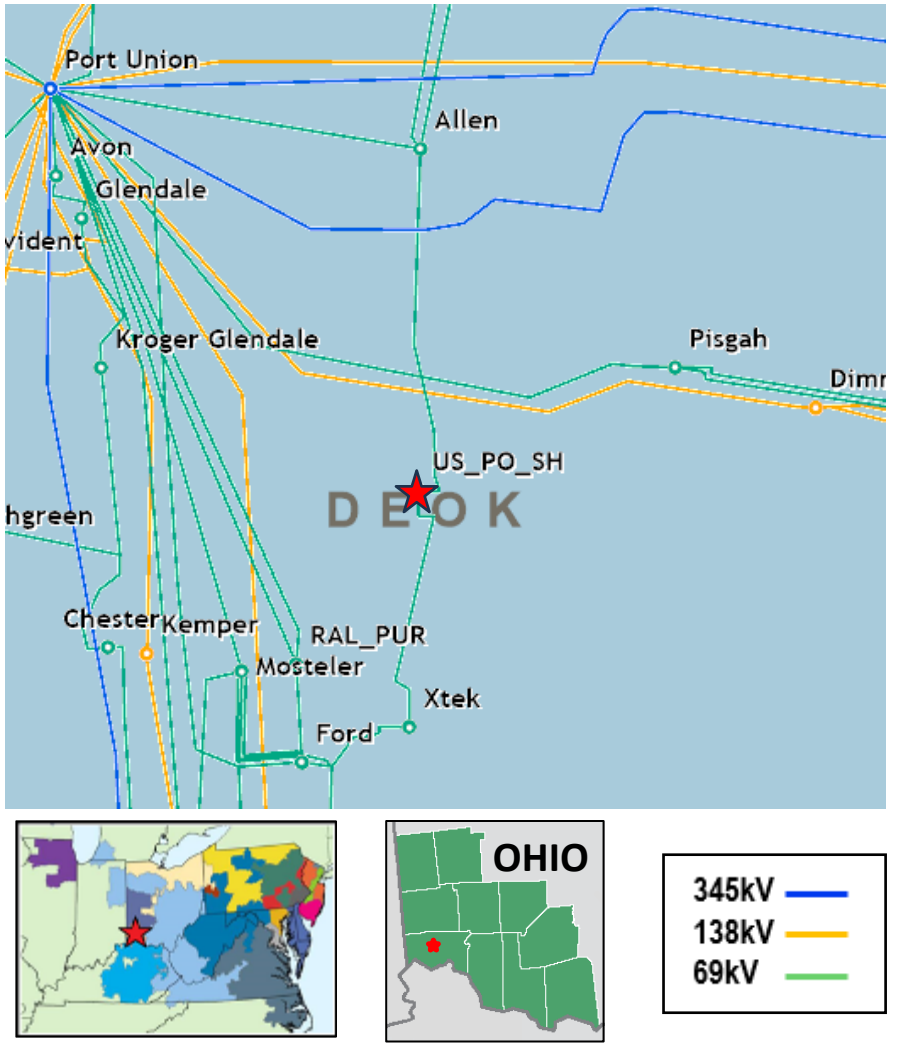
Project Drivers: Other

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slides 11, 12

Problem Statement:

US_PO_SH is an existing 69-13 kV Duke-owned T-D substation that provides an alternate feed to the Sharonville sorting facility of the US Postal service. The substation is located on a 69 kV circuit between Allen and Xtek substations. The 12.47 kV backup feed from this substation is scheduled to be transferred to distribution circuits on nearby 138 kV substation Kemper. US_PO_SH will no longer be serving any customer load.



DEOK Transmission Zone M-3 Process
US_PO_SH 69 kV Substation Retirement

Need Number: DEOK-2026-007

Process Stage: Solutions Meeting 11/13/2026

Proposed Solution:

Retire US Postal 69 kV substation. Retire tap and the approximately 0.13 mile 69 kV 3-phase line and static conductor feeding the substation, including four wood poles, one stub pole, as well as insulators and two 3-phase line switches. Install insulators and jumpers at the tap location as needed.

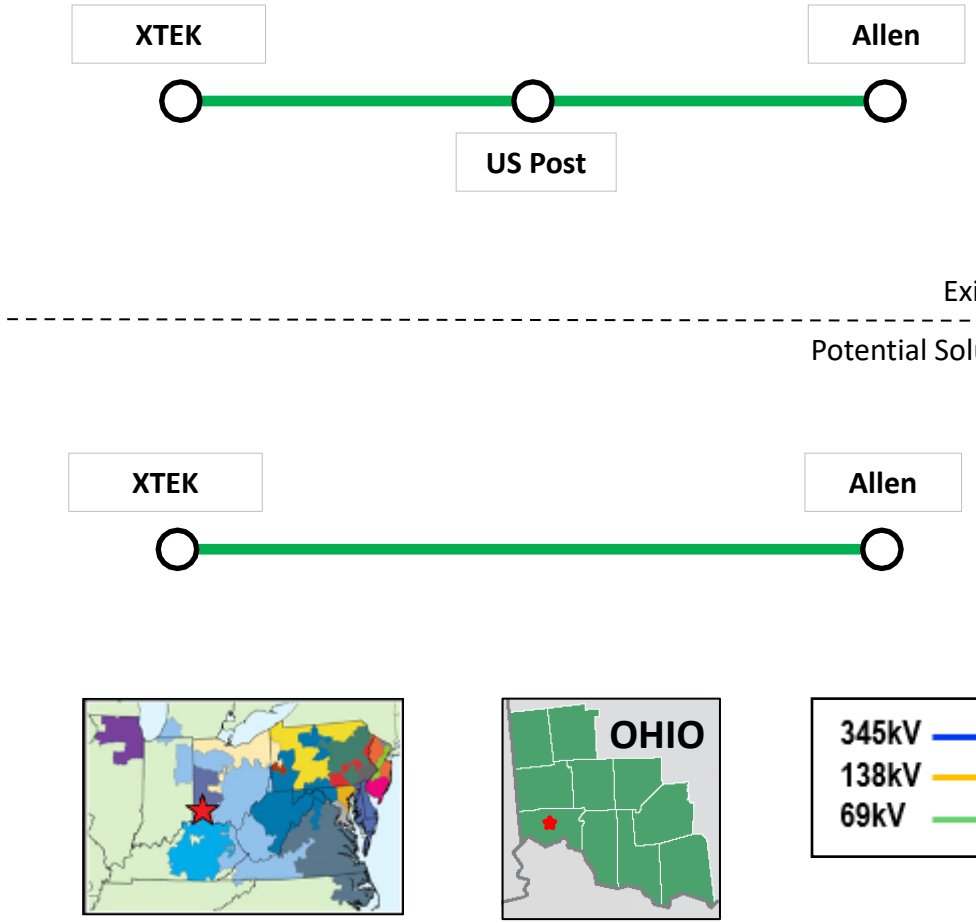
Alternatives Considered: N/A

Estimated Transmission Cost: $469,010

Proposed In-Service Date: 09/24/2027

Project Status: Engineering

Model: 2025 RTEP



DEOK Transmission Zone M-3 Process
XTEK 69 kV Substation Retirement

Need Number: DEOK-2026-010

Process Stage: Solutions Meeting 11/13/2026

Previously Presented: Needs Meeting 10/16/2026

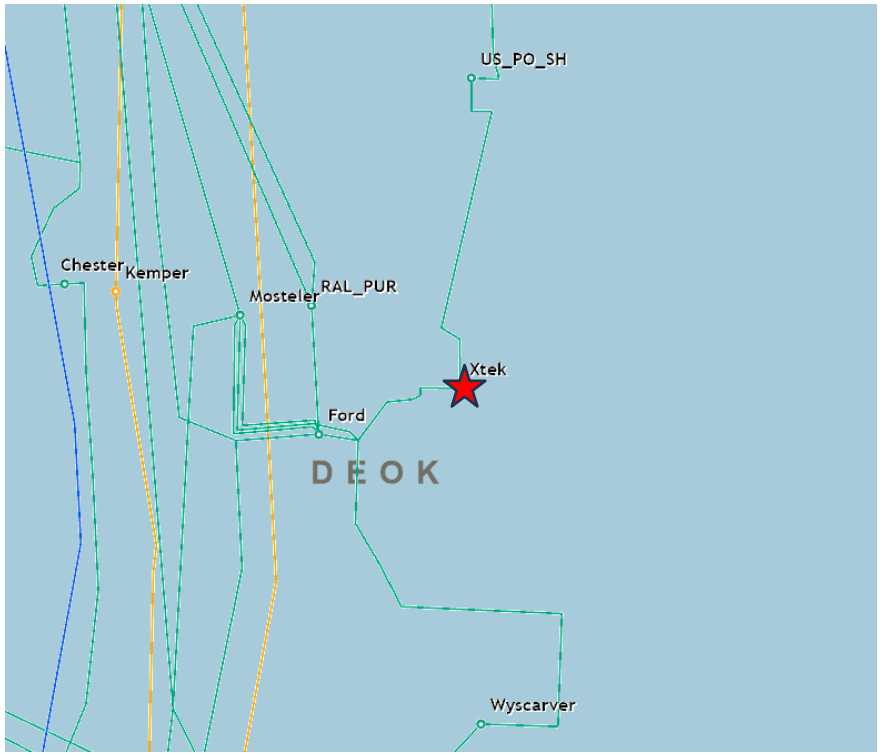
Project Drivers: Other

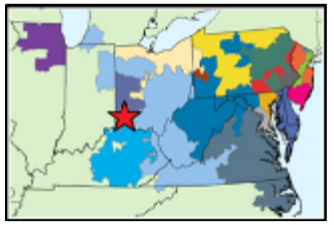
Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slides 11, 12

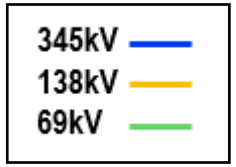
Problem Statement:

Customer XTEK will become permanently fed from Duke's 34.5 kV system and plans to retire their 69 kV substation. The substation is located on a 69 kV circuit between US_PO_SH and Wyscarver substations.









DEOK Transmission Zone M-3 Process
XTEK 69 kV Substation Retirement

Need Number: DEOK-2026-010

Process Stage: Solutions Meeting 11/13/2026

Proposed Solution:

Retire XTEK tap and the line feeding customer XTEK 69 kV substation. This involves retiring approximately150 feet of 69 kV 3-phase conductor and static into the customer substation, two 3-phase line switches and one wood pole with headguys and insulators. A new steel pole will be installed along with insulators and jumpers, and conductors will be resagged as needed.

Alternatives Considered: N/A

Estimated Transmission Cost: $182,766

Proposed In-Service Date: 10/08/2027

Project Status: Engineering

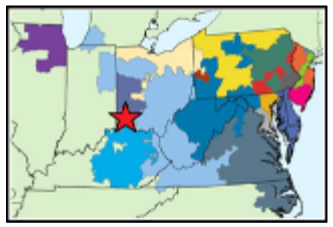
Model: 2025 RTEP



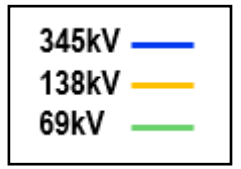
Existing

Potential Solution









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

11/10/2026 – V1 – Original version posted to pjm.com