

# Subregional RTEP Committee - Western DEOK Supplemental Projects

April 15, 2026

# 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:** DEOK-2026-002

**Process Stage:** Needs Meeting 04/15/2026

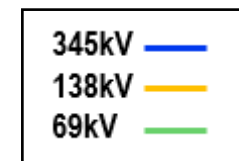
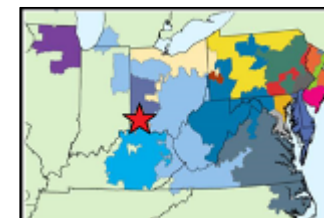
**Project Driver:** Equipment Condition, Performance and Risk; Operational Flexibility and Efficiency

**Specific Assumption Reference:**

Duke Energy Ohio & Kentucky Local Planning Assumptions slides 7, 8, 9

**Problem Statement:**

The 138 kV Mt. Healthy substation is a 53-year-old T-D manual switching station located on an approximately 7.9-mile 138kV circuit between Mapleknoll and Finneytown substations. Mt. Healthy substation serves 9,935 customers via two 138/13.2 kV transformer banks. Due to being a manual switching station with no ATO scheme protection, a line fault on the Mapleknoll – Mt. Healthy or Mt. Healthy – Finneytown circuits will result in an outage for all customers served by Mt. Healthy substation. Additionally, several devices on the substation are approaching the end of their useful life and are due to be replaced, including electromechanical or solid-state relays and RTUs.



**Need Number:** DEOK-2026-003

**Process Stage:** Needs Meeting 04/15/2026

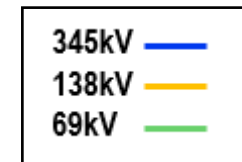
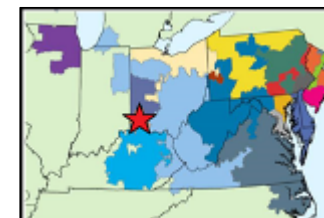
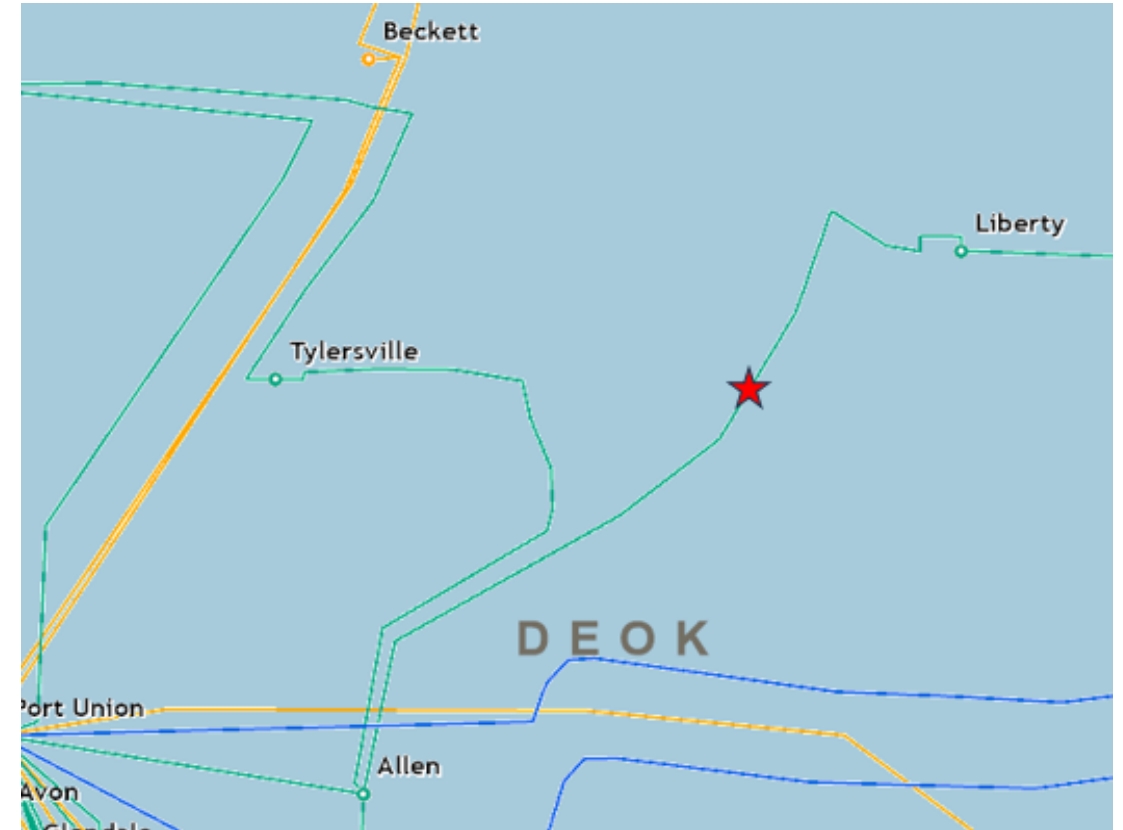
**Project Driver:** Customer Service

**Specific Assumption Reference:**

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 6

**Problem Statement:**

Maud substation is a 34.5 kV manual switching distribution substation located adjacent to an approximately 6.1-mile 69 kV circuit connecting Liberty and Allen substations. This substation serves customers via two 34.5/13.2 kV transformer banks, and load growth in the area is projected to exceed distribution transformer bank nameplate ratings. Additional capacity is needed.



# 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

4/3/2026 – V1 – Original version posted to pjm.com