

# Sub Regional RTEP Committee: Western DEOK Supplemental Projects

December 17, 2021

# 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 2021-001

**Process Stage:** Solutions Meeting 12-17-2021

**Previously Presented:** Needs Meeting 02-17-2021

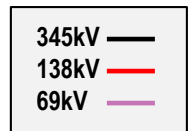
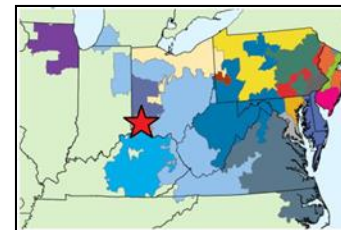
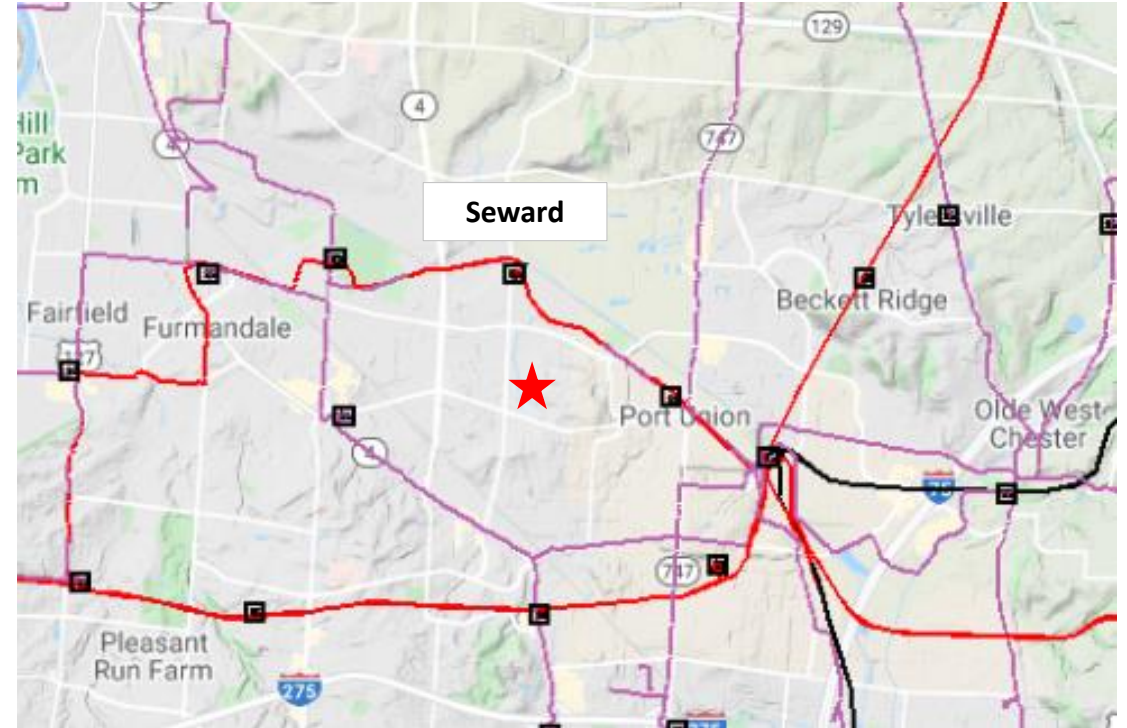
**Project Driver:** Customer Service

**Specific Assumption Reference:**

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 9

**Problem Statement:**

An existing customer has requested an additional 20MW of distribution service by summer of 2022. This exceeds the capability of the existing distribution infrastructure in the local area. Duke Energy Distribution has requested additional capacity delivery through Seward substation.



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**Potential Solution:**

Install a new box structure. Move the Seward-Port Union feeder termination from a monopole to the new box structure. Install CCVTs and a line disconnect for the new feeder connection. Install two new switches and 138 kV bus work to form a ring bus. Install a 138/13 kV, 22 MVA transformer with a bus disconnect, circuit switcher and wave trap on the high side of the transformer. Install protection and controls for the new equipment in the existing control enclosure.

**Alternatives:** none

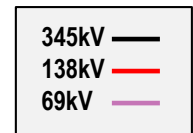
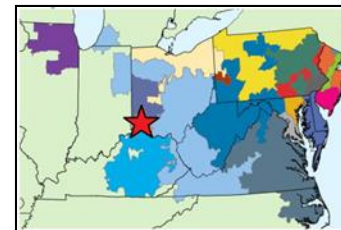
**Transmission Cost Estimate:** \$2.4M

**Proposed In-Service Date:** 12-31-2022

**Project Status:** Scoping

**Model:** 2021 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

12/7/2021 – V1 – Original version posted to pjm.com