

SRRTEP Committee: Western DEOK Supplemental Projects

October 16, 2020

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



DEOK Transmission Zone M-3 Process Clearcreek

Need Number: DEOK 2020-005

Process Stage: Needs Meeting 10-16-2020

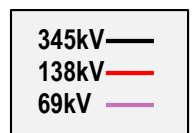
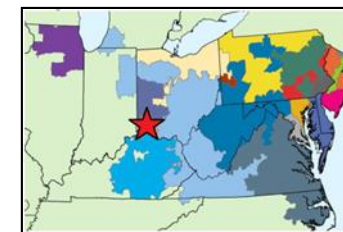
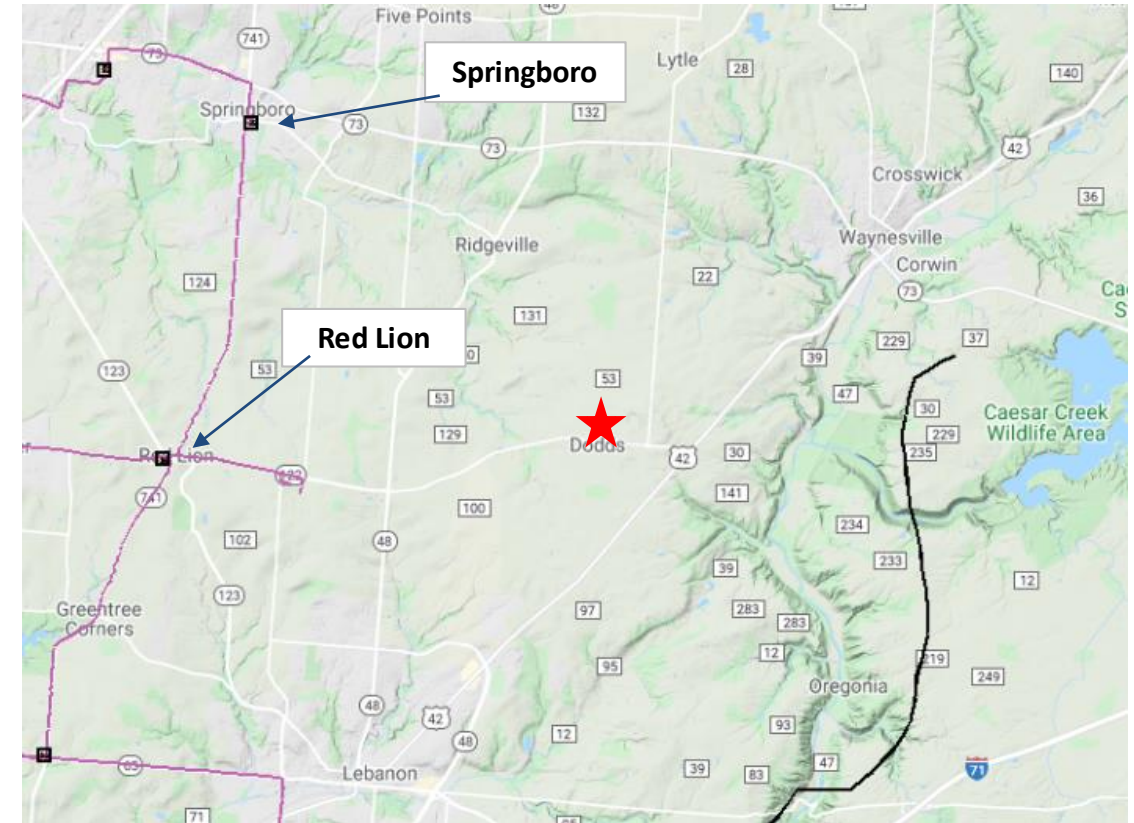
Project Driver: Customer Service

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 9

Problem Statement:

Duke Energy Distribution has requested a new delivery point in Clearcreek Township, OH. This once rural area between Cincinnati and Dayton continues to see steady residential and commercial load growth of 2% per year. The load in this area is expected to exceed the capacity of the local distribution system by 2024.



Need Number: DEOK 2020-006

Process Stage: Needs Meeting 10-16-2020

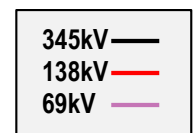
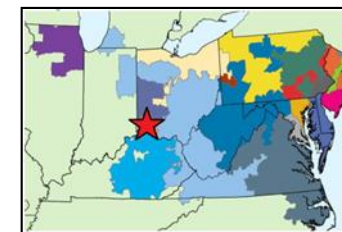
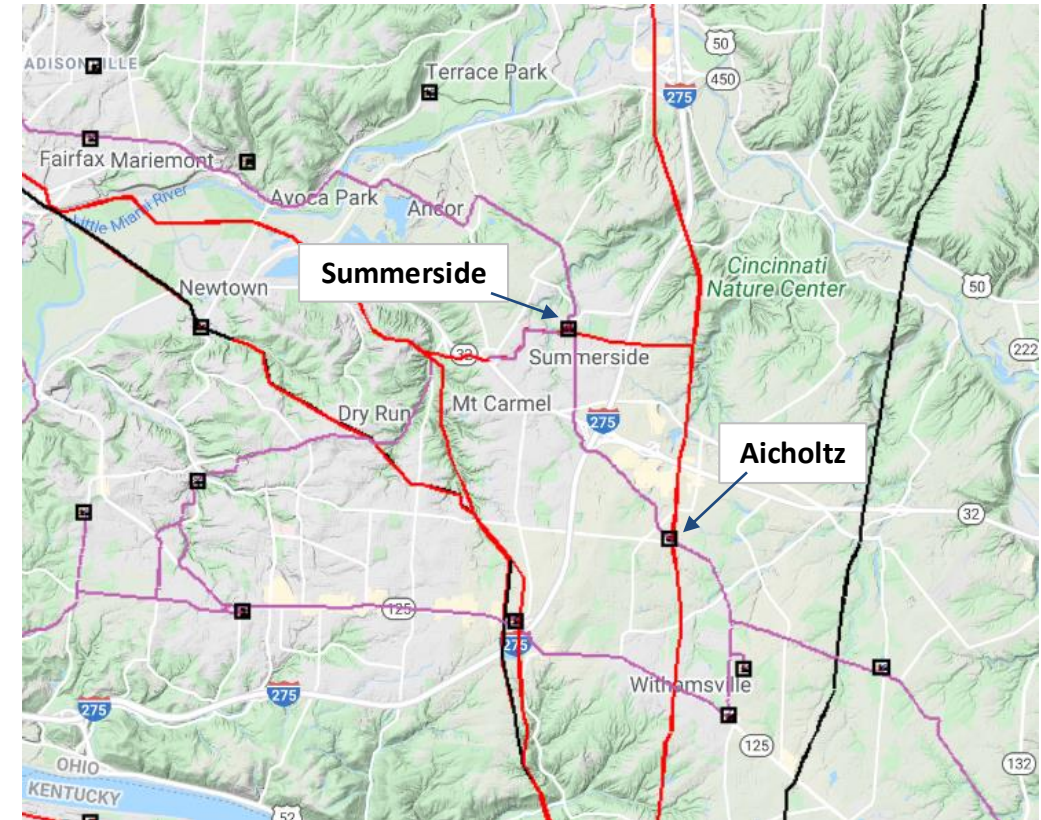
Project Driver: Infrastructure Resilience

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 8

Problem Statement:

The 34 kV bus at Summerside is fed by two transformers. TB2 is a 138/69/34 kV transformer with breakers connections on the 138 and 69 kV buses and a switch connection to the 34 kV bus. TB5 is a 138/34 kV transformer with switch connections to the 138 and 34 kV buses. This arrangement exposes the transmission system to faults from the 34 kV system.



Need Number: DEOK 2020-007

Process Stage: Needs Meeting 10-16-2020

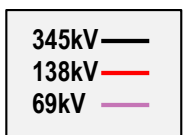
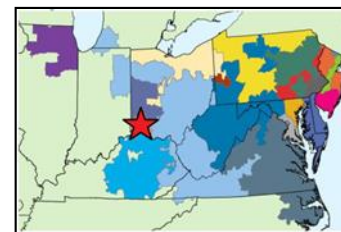
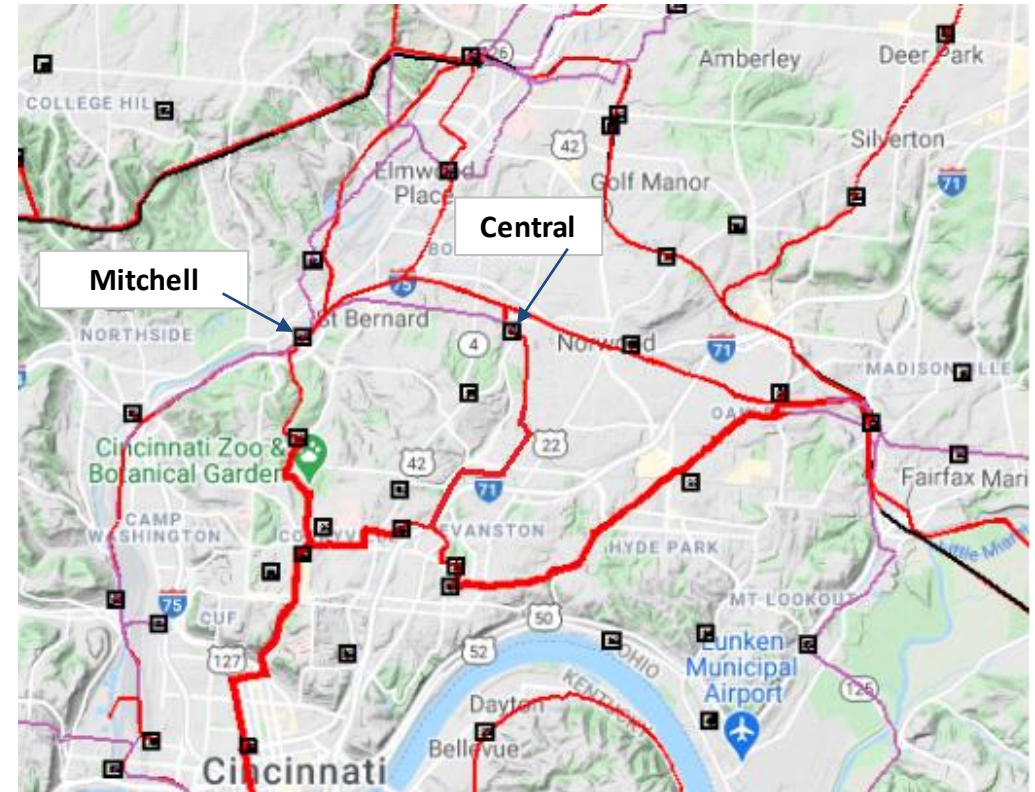
Project Driver: Equipment Condition, Performance and Risk

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slides 5 and 6

Problem Statement:

At Central 69/13 kV transformers TB1 and TB2 both show excessive levels of acetylene and ethylene gasses indicating arcing, overheating and insulation breakdown.



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

10/6/2020 – V1 – Original version posted to pjm.com