

Sub Regional RTEP Committee: Western DEOK Supplemental Projects

April 20, 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

Need Number: DEOK 2020-001 (withdrawal)

Process Stage: Needs Meeting 04-20-2020

Previously Presented: Needs Meeting 02-21-2020

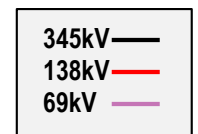
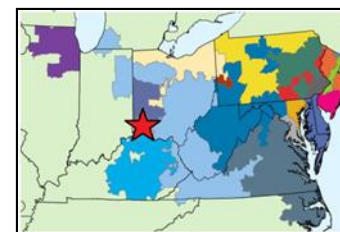
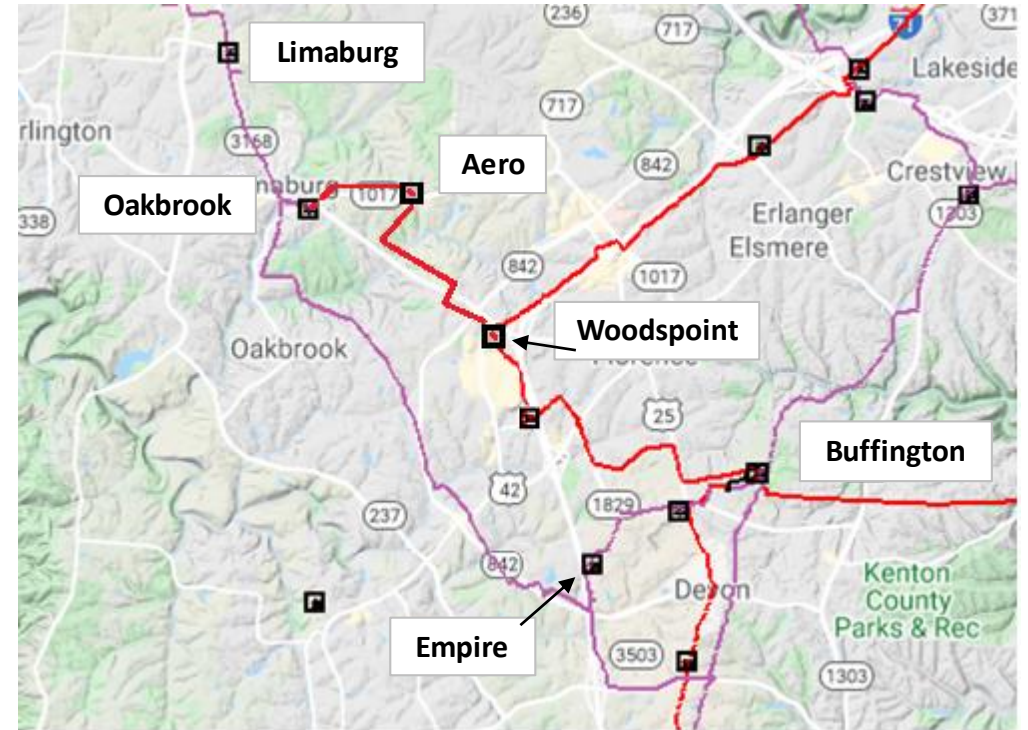
Project Driver: Customer Service

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 9

Problem Statement:

A 69 kV feeder runs south from Buffington to a tap near Empire, from that tap to a second tap at Oakbrook and then to Limaburg. In the event of an interruption of the 138 kV feeder from Woodspoint to Aero, all load normally shared by both feeders is carried by the 69 kV feeder. Duke Distribution predicts load growth of 30 MW at Aero, 5 MW at Oakbrook and 5 MW at Limaburg by the summer of 2022. The higher loads plus the loss of the Woodspoint to Aero feeder lead to an overload of the tap to tap to Oakbrook section of the 69 kV feeder.

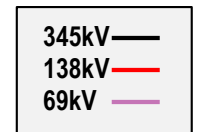
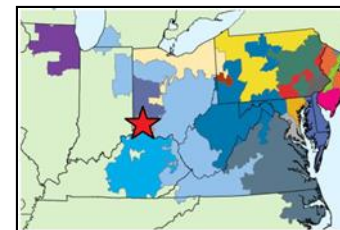
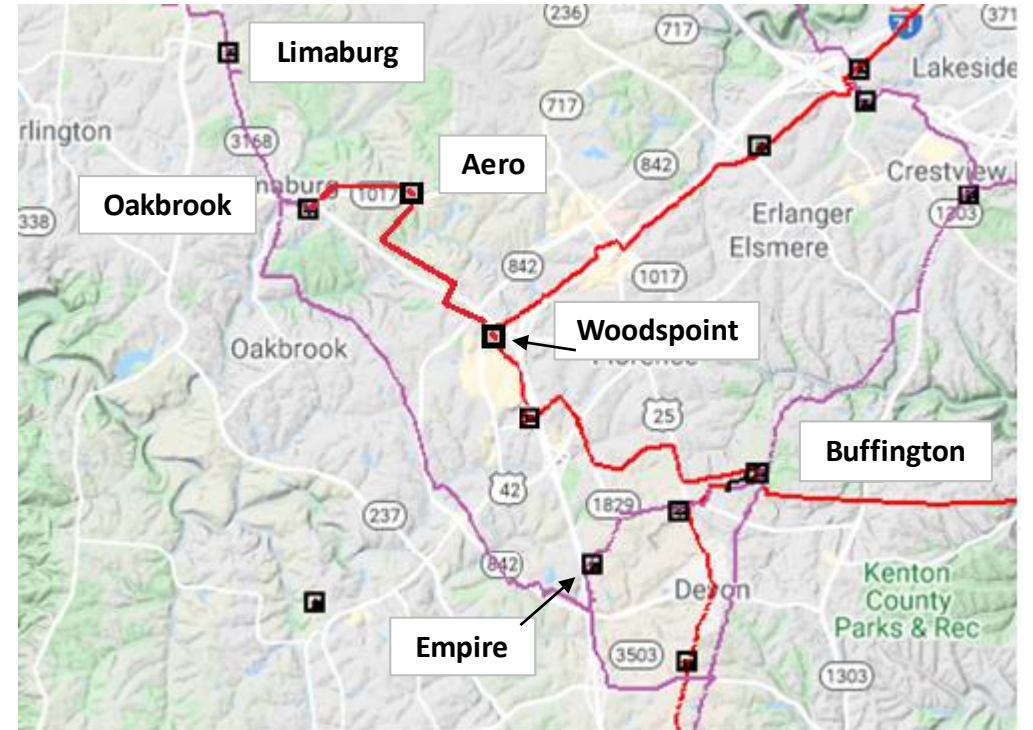


Need Number: DEOK 2020-001

Process Stage: Needs Meeting 04-20-2020

Withdrawal Statement:

Restudy shows that the 69 kV line exceeds its capacity with only the addition of the 30 MW load at Aero and the loss of the 138 kV feeder from Woodspoint to Aero. This 30 MW load is a part of project DEOK 2018-001, Aero/Woodspoint. The DEOK 2018-001 problem and solution slides can be found in the 01-11-2019 western subregional meeting materials. Following guidance from PJM Need DEOK 2020-001 is withdrawn. The solution to this problem will be amended to the scope of DEOK 2018-001. Stakeholder comments or proposed solutions should reference DEOK 2018-001.



Need Number: DEOK 2020-002

Process Stage: Needs Meeting 04-20-2020

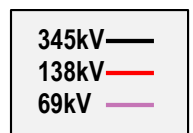
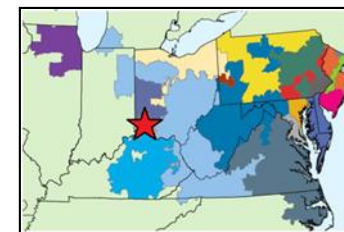
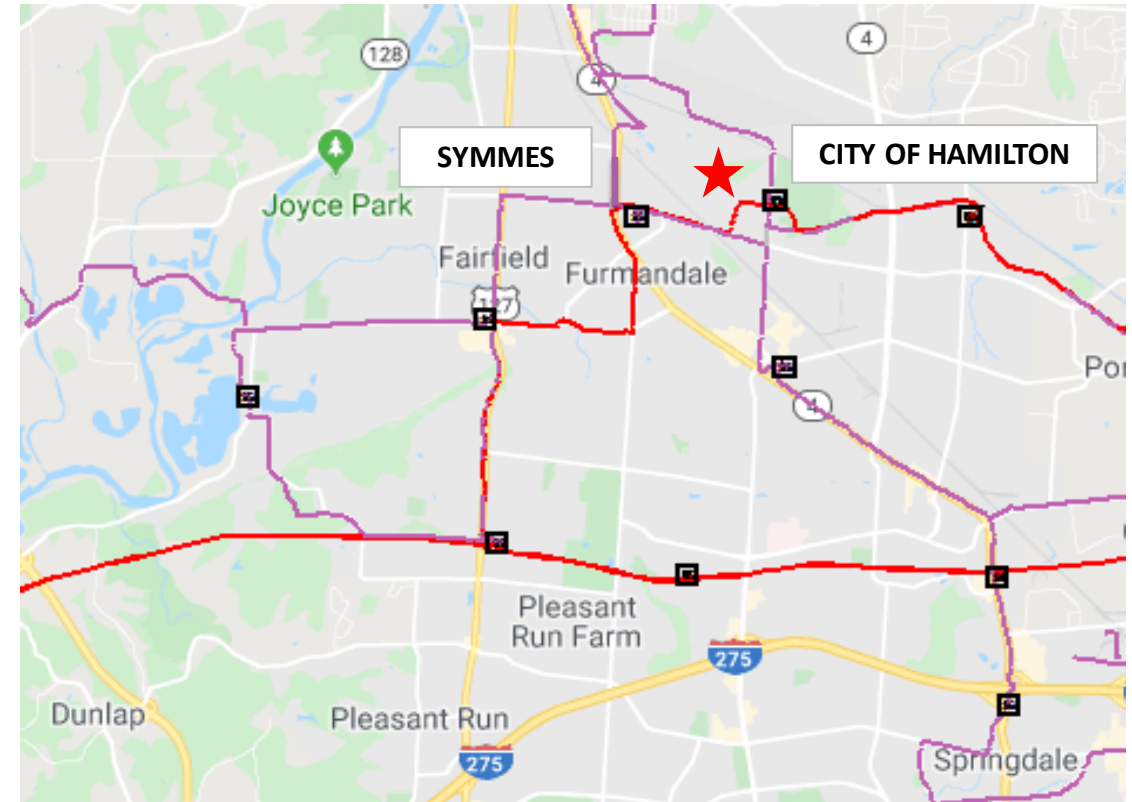
Project Driver: Customer Service

Specific Assumption Reference:

Duke Energy Ohio & Kentucky Local Planning Assumptions slide 9

Problem Statement:

Duke Energy Distribution has requested a new delivery point near Tedia Way in Fairfield, Ohio. A new customer is in the process of building a manufacturing plant that will require 20 MW by 06-01-2021. The existing distribution infrastructure in the area is not capable of serving the new load.



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

4/8/2020 – V1 – Original version posted to pjm.com