



Sub Regional RTEP Committee Western Region DEOK

February 20, 2019

DEOK 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-2019-0001

Process Stage: Needs

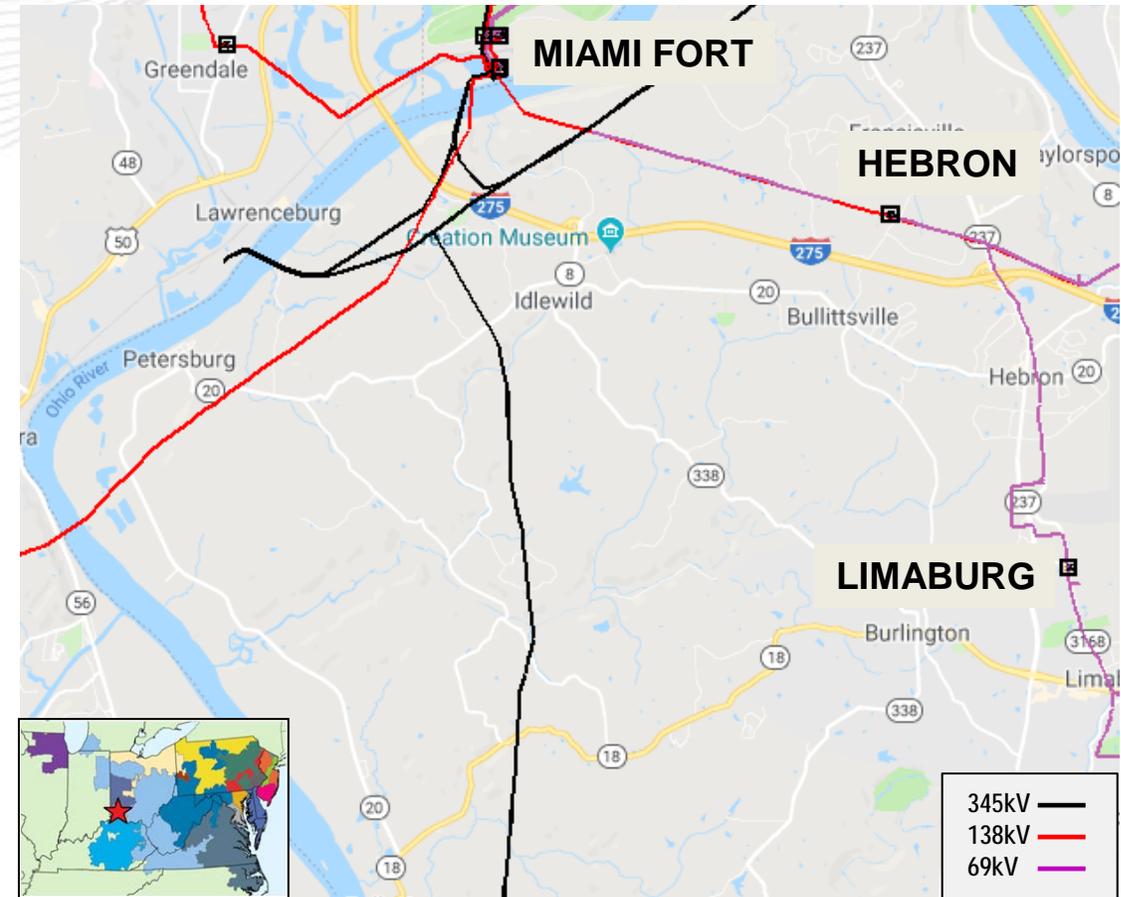
Date: 02/20/2019

Project Driver(s): Customer Service

Specific Assumptions Reference(s): Serving additional customer load, Customer requested infrastructure, New infrastructure to support economic development

Problem Statement:

The distribution system feeding this area from Hebron and Limaburg is nearing its capacity limit. 70-90 MVA of load growth is expected in this area over the next five years. Duke Energy Distribution has requested a new transmission to distribution substation in the Petersburg, KY area.



Need Number: DEOK-2019-0002

Process Stage: Needs

Date: 02/20/2019

Project Driver(s):

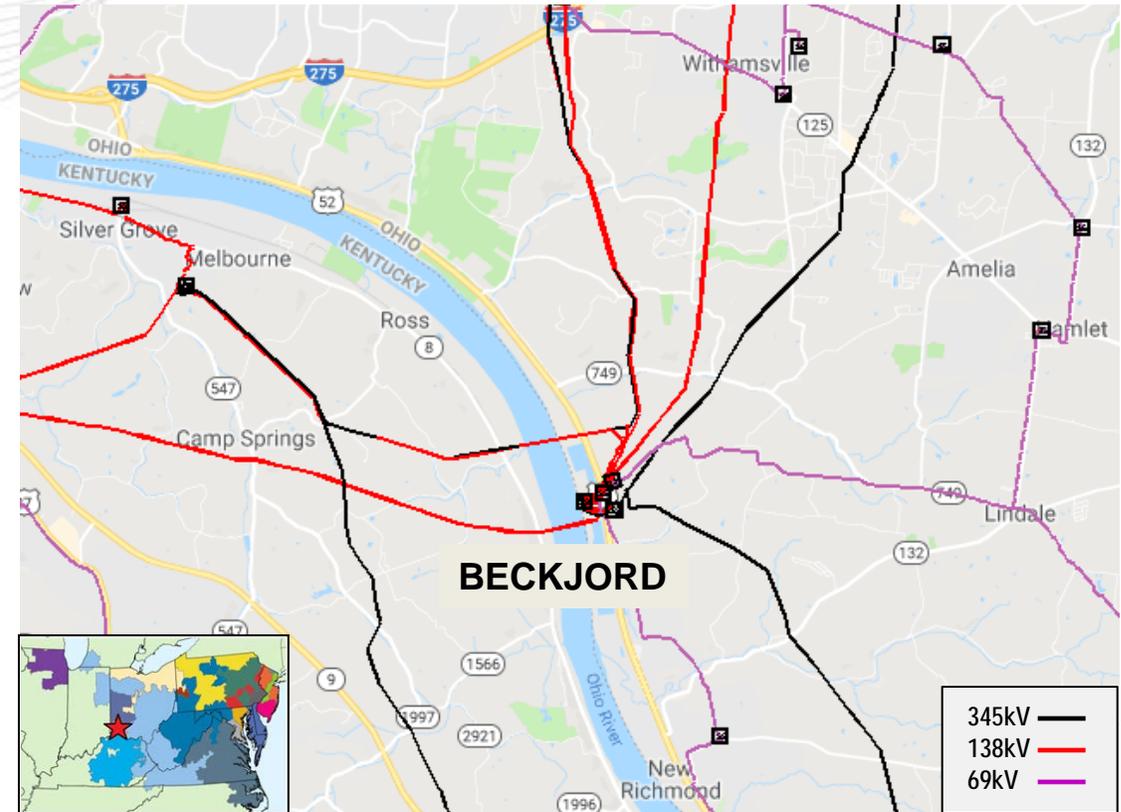
Equipment Condition, Performance and Risk

Specific Assumptions Reference(s):

Negative maintenance trends, Increasing maintenance costs, Availability of spare parts or vendor support, Expected service life/age of equipment, Programmatic replacement of equipment

Problem Statement:

Beckjord 138kV buses 3 and 4 are 66 years old, are constructed of copper bus with cap and pin insulators, and in deteriorating condition. The breakers on these busses are oil filled and obsolete. Rebar is showing though the deteriorating structural and equipment foundations.



Need Number: DEOK-2019-0003

Process Stage: Needs

Date: 02/20/2019

Project Driver(s):

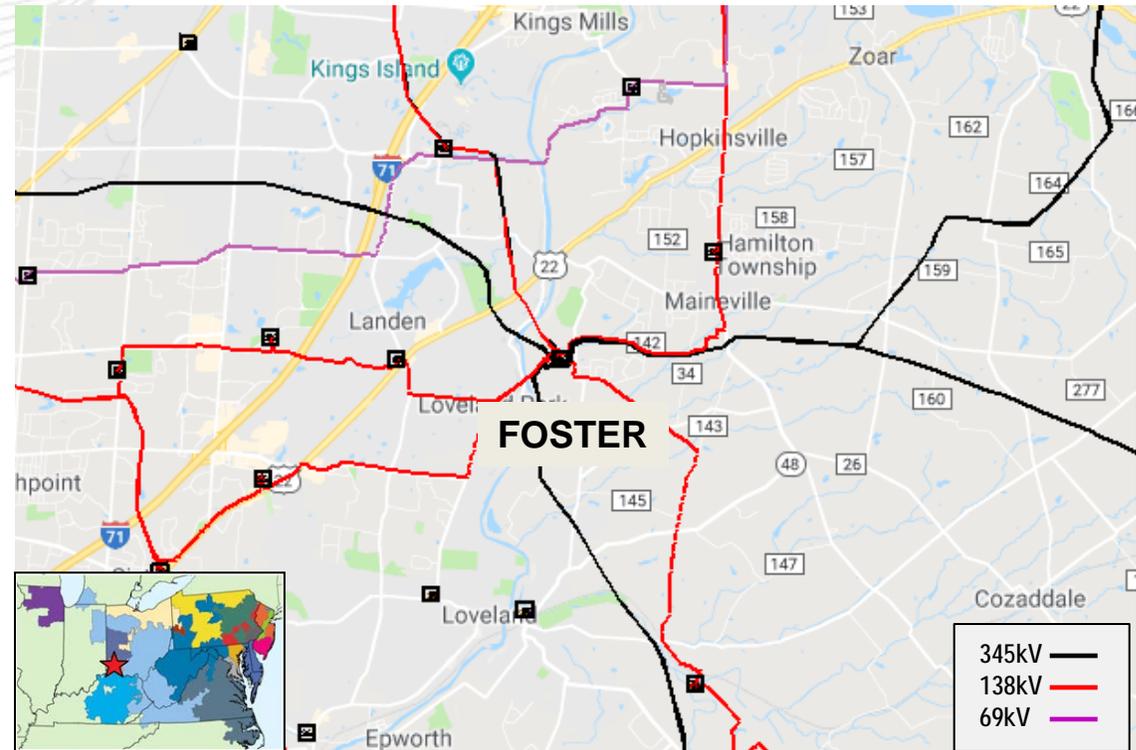
Equipment Condition, Performance and Risk

Specific Assumptions Reference(s):

Negative maintenance trends, Increasing maintenance costs, Availability of spare parts or vendor support,

Problem Statement:

Technical Services continues to have problems with the mechanisms on three 345kV breakers at Foster. The manufacturer no longer makes the mechanism for these 1990 vintage breakers. The breakers also have an on-going problem leaking SF6 gas.





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

2/8/2019 – V1 – Original version posted to pjm.com

3/11/2019 – V2 -Slide#3, add expected load growth information in the problem statement.