Sub Regional RTEP Committee
Western Region
DEOK

November 29, 2018

Need Number: DEOK-2018-001
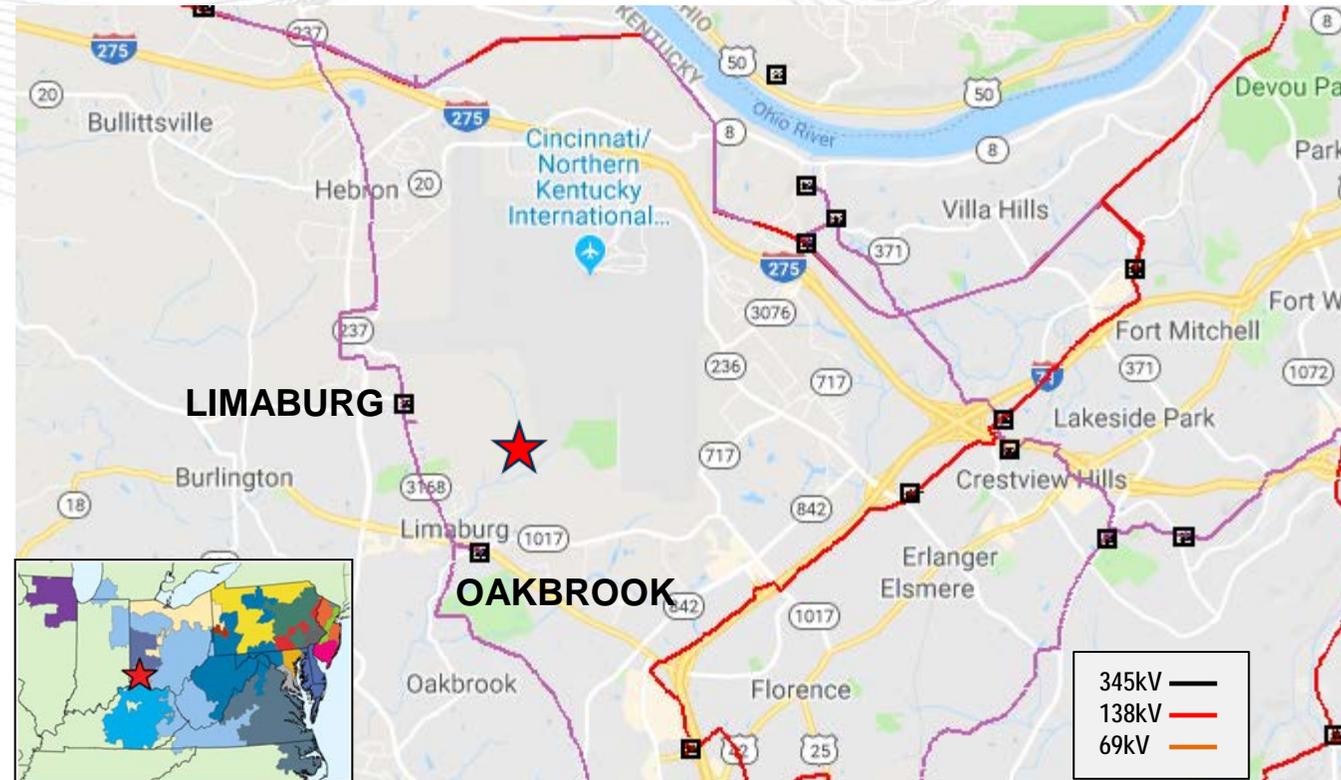**Process Stage:** Needs
Date: 11/29/2018

Project Driver(s): Customer Service
Specific Assumptions Reference(s): Serving new customer load

Problem Statement:
Amazon Prime Air has requested distribution service (13kV) for a new air hub to be located at the Cincinnati/Northern Kentucky International Airport. Initial demand is projected to be 30 MW with phased growth to 80 MW.

345kV ▬▬
138kV ▬▬
69kV ▬▬

Need Number: DEOK-2018-002
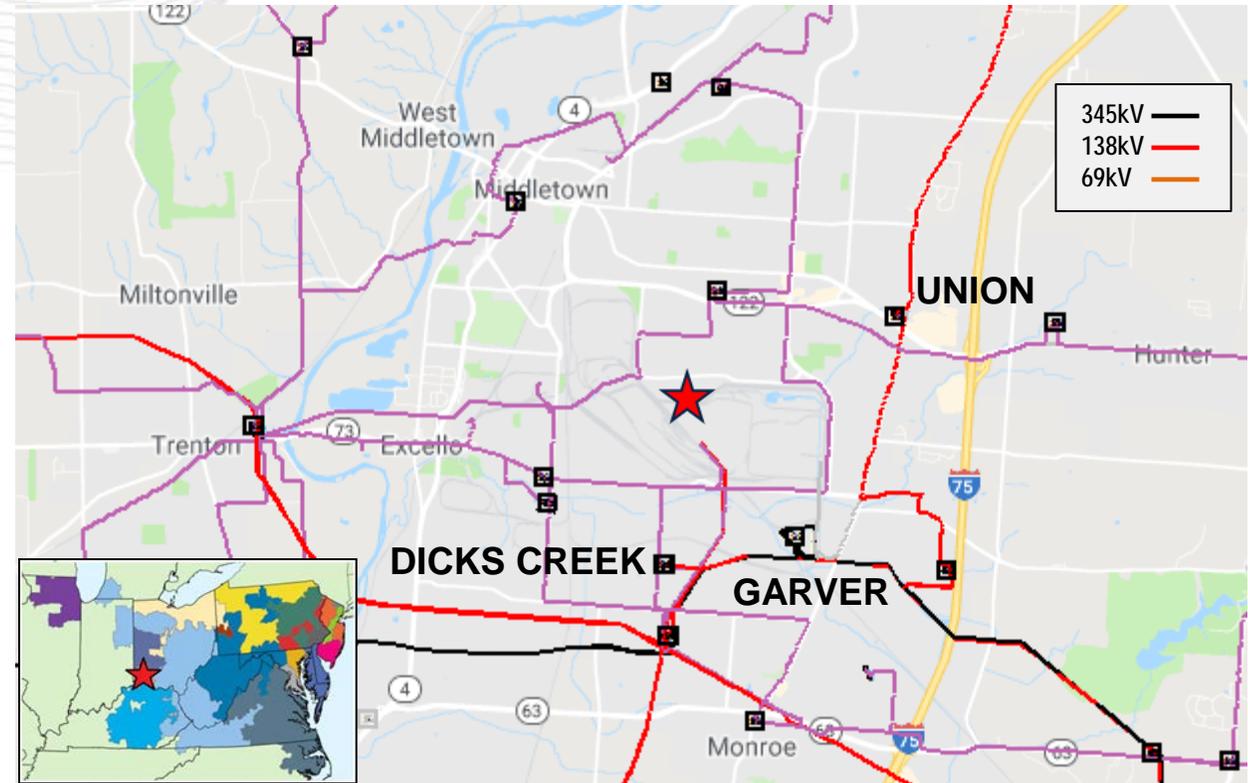**Process Stage:** Needs
Date: 11/29/2018

Project Driver(s): Operational Flexibility and Efficiency, Infrastructure Resilience, Customer Service
Specific Assumptions Reference(s): Operational options for switching, Networking of radial lines, Diversify sources and source paths to load areas, Customer requested infrastructure

Problem Statement:
Large industrial customer (200+ MW) is supplied by two 138 kV circuits. Planned maintenance work on each circuit will require extended outages. The customer is at risk of complete interruption if the remaining circuit experiences an outage. Customer advises that complete interruption would have grave consequences on customer's processes potentially leading to ceasing operations (closure of plant). Customer also advises that a minimum of 75MWs is required for a safe shutdown of equipment.
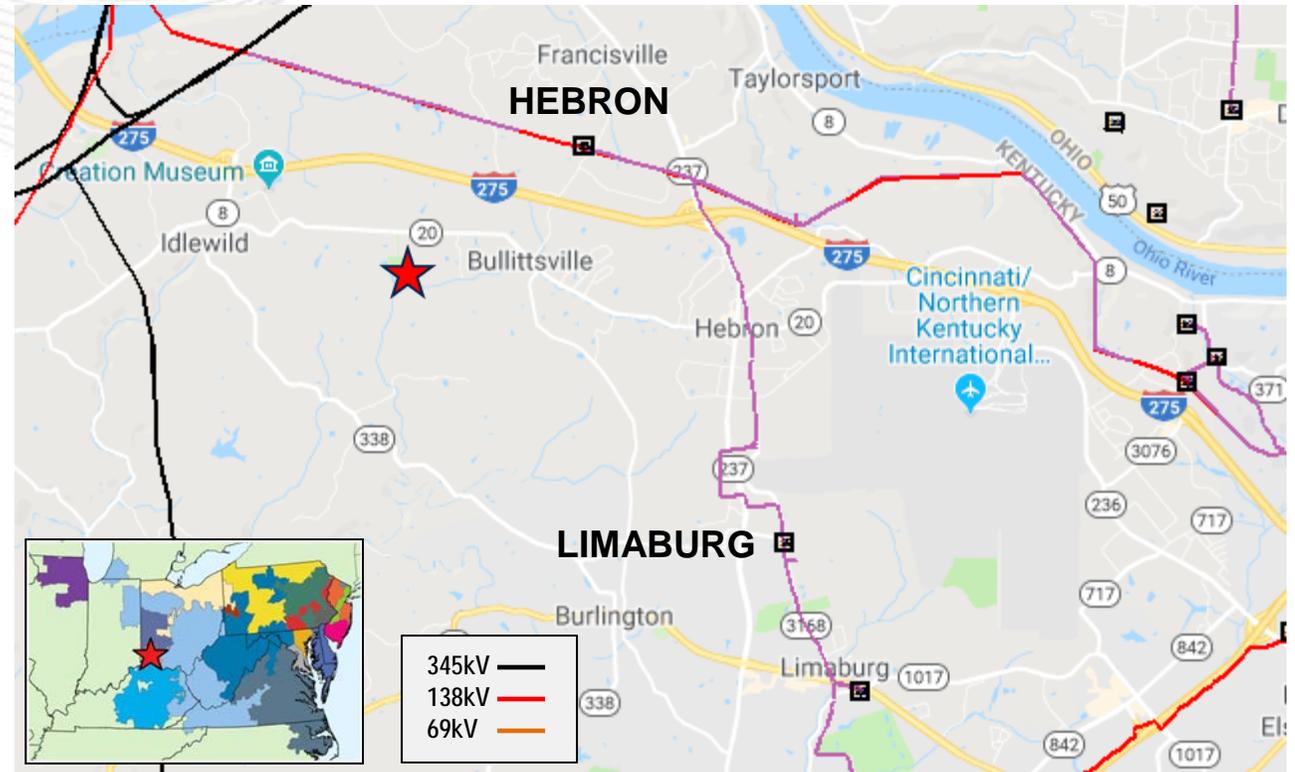
Need Number: DEOK-2018-003
Process Stage: Needs
Date: 11/29/2018

Project Driver(s): Customer Service
Specific Assumptions Reference(s): Serving new customer load, Serving additional customer load

Problem Statement:
New and existing industrial load growth in the area west of the Cincinnati/Northern Kentucky International Airport is predicted to exceed the capacity of the local distribution system. An additional 40MWs is requested.

345kV ——
138kV ——
69kV ——

Revision History

11/16/2018 – V1 – Original version posted to pjm.com

12/4/2018 – V2 – Slide #3: the minimum amount of power the customer needs is added per the request from the meeting

3/19/2019 – V3 – Slide #2: Change DEOK-2018-0001 to DEOK-2018-001
- Slide #3: Change DEOK-2018-0002 to DEOK-2018-002
- Slide #4: Change DEOK-2018-0003 to DEOK-2018-003