

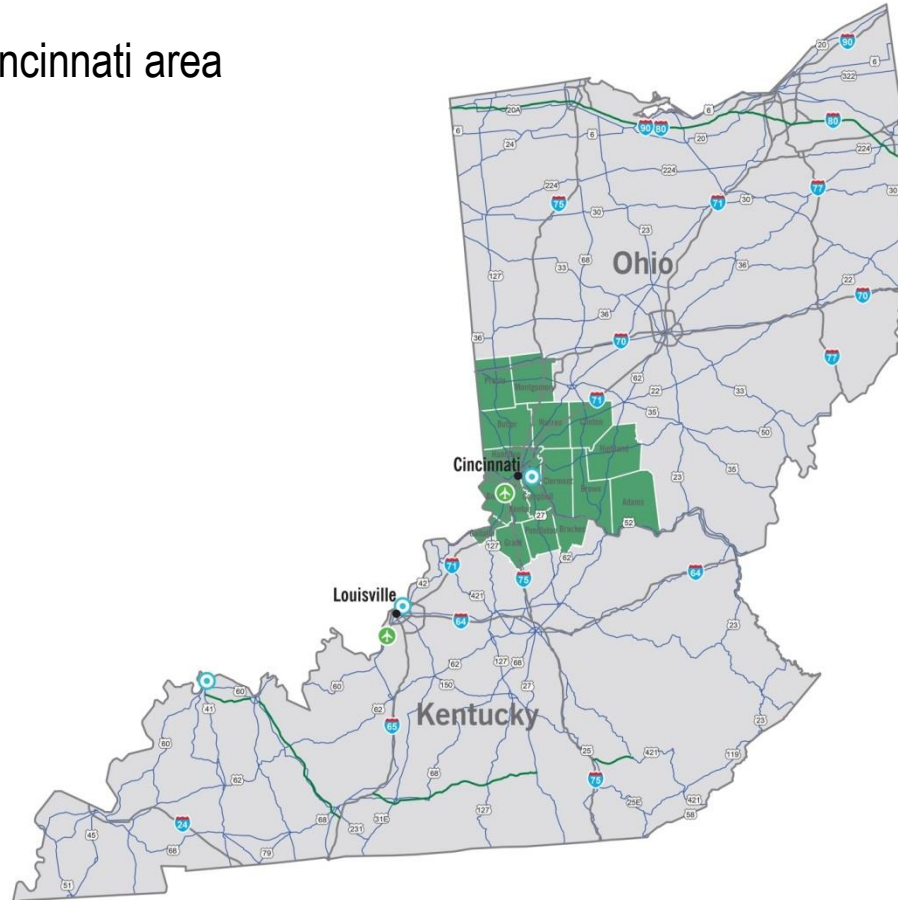


# Duke Energy Ohio/Kentucky

2017 RTEP Planning Assumptions



- DEOK serves the greater Cincinnati area including northern Kentucky
- Transmission Facilities
  - 345 kV ~403 miles
  - 138 kV ~725 miles
- Subtransmission Facilities
  - 69 kV ~775 miles



- Load Flow Cases
  - DEOK uses the PJM RTEP and ERAG MMWG cases for transmission and 69 kV analysis
  
- RTEP Case
  - DEOK works with PJM to develop RTEP case
  - Verify topology, ratings, etc. are accurate
  
- MMWG Case
  - DEOK supports development of ERAG MMWG cases
  - Load scaled to latest 50/50 Forecast
  - Ratings seasonally adjusted

- 2017 RTEP Baseline Assessment
  - PJM performs analysis on DEOK area using RTEP case
  - Satisfies NERC reliability standards
  - DEOK validates analysis and coordinates with PJM to identify baseline upgrades
  - Upgrades are presented to the Sub-regional RTEP Committee and/or the TEAC for stakeholder input

- Supplemental Projects
  - Aging infrastructure
  - Operational flexibility
  - Infrastructure resilience
  - Customer service
  - DEOK Transmission Planning Criteria
    - Filed under FERC Form 715
    - Available on PJM website
  
- Projects are presented at SRRTEP meetings and TEAC meetings for stakeholder input



