



Duke Energy Ohio/Ky  
2012 RTEP Assumptions for  
Western Sub-region  
March 2012

## Duke Energy Ohio/Ky

- Integrated into PJM, January 1, 2012
- Serves Greater Cincinnati area
- Total Transmission Facilities: 1903 Miles
  - 345 kV ~ 403 Miles
  - 138 kV ~ 725 Miles
  - 69 kV ~ 775 Miles

# Load Flow Cases

- DEOK uses the RTEP and ERAG MMWG cases for transmission and 69 kV analysis
  - RTEP case
    - DEOK works with PJM to develop RTEP case.
    - Verifies topology, impedance, etc. are accurate
  - MMWG case
    - DEOK detail model added
    - Projects modeled
    - Load scaled to latest 50/50 forecast

# 2012 RTEP Baseline Assessment

- PJM performs analysis on DEOK area using RTEP case
  - PJM performs analysis to satisfy NERC Reliability Standards (TPL-001 thru TPL-004)
- DEOK validates the analysis and coordinates with PJM to identify upgrades
- The upgrades are presented to the Sub Regional RTEP Committee and/or the TEAC
- RTEP model is available from PJM

# Supplemental Projects

- DEOK criteria based upgrades
  - Provide support to 69 kV and distribution system
  - Facilitate interconnection of new transmission customers
  - Address aging infrastructure
- Not approved by PJM Board
- Reviewed at sub-regional and/or meetings to allow stakeholder input
- DEOK Transmission Planning Criteria – filed under FERC Form 715 and posted on PJM website
  - [//www.pjm.com/planning/planning-criteria.aspx](http://www.pjm.com/planning/planning-criteria.aspx)