Duke Energy Ohio/Ky
2014 RTEP Assumptions for Western Sub-region
January 2014
Duke Energy Ohio/Ky

- 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
2013 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
  - Provide operating flexibility
  - 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