

2010 RTEP Assumptions

Subregional RTEP
Committee

- Power flow models for world load, capacity and topology will be based on the most recent ERAG MMWG power flow base case.
- PJM topology will be based on the ERAG MMWG 2009 Series Summer 2015 base case – updated with RTEP upgrades approved as part of the 2009 RTEP
 - MAPP, PATH, Branchburg – Roseland – Hudson
- ATSI Included

- Long term firm transmission service will be consistent with operations.
 - 2015 Interchange information has been posted with the meeting materials
- Generation outage rates will be based on the most recent Reserve Requirement Study performed by PJM.
- Generation outage rates for future PJM units will be estimated based on class average rates.

- Load will be modeled consistent with the 2010 PJM Load Forecast Report.
- PJM RTO Peak (for 2015): 165,402 MW
 - PJM South Peak: 22,982 MW
 - PJM West Peak: 80,729 MW
 - PJM Mid-Atlantic: 66,480 MW

*Note – All loads are Non Coincident Peaks
- Load Management will be modeled consistent with the 2010 Load Forecast Report
 - Used in LDA under study in load deliverability analysis

- All existing generation expected to be in service for the year being studied will be modeled.
- Future generation with a signed Interconnection Service Agreement will be modeled along with any associated upgrades.
- Generation with a signed ISA will contribute to and be allowed to back-off problems.
- Generation with a signed Facility Study Agreement (FSA) will be modeled along with any associated network upgrades.

- Generation with a signed FSA will be modeled off-line but will be allowed to contribute to problems in the generation deliverability testing.
- Generation with a signed FSA, will not be allowed to back-off problems.
- If the PJM load exceeds the sum of the available generation and generation with an executed ISA then queued generation that has an executed FSA will be turned on to meet firm interchange.
- Additional generation information has been posted with these meeting materials.

- All PJM bulk electric system facilities 100 kV and greater, all tie lines to neighboring systems and all lower voltage facilities operated by PJM will be monitored.
- Contingency analysis will include all bulk electric system facilities 100 kV and greater, all tie lines to neighboring systems and all lower voltage facilities operated by PJM.
- Thermal and voltage limits will be consistent with those used in operations.

- 2015 base case development started in December
- 2015 base case development nearing completion
- Analysis of 2015 through 2025
- Retool of previous RTEP analyses
- Initial efforts will focus on 2015 followed by earlier years
- Sensitivity studies