

ComEd RTEP Baseline Results for 2004 through June 2005

PJM completed an RTEP baseline analysis for the Com-Ed system from 2004 through 2007. The initial ComEd RTEP baseline analysis and report focused on the PJM deliverability tests to provide a reference under which to evaluate the deliverability of existing ComEd generators and future generators that have an Interconnection Agreement with ComEd. For this analysis, the ComEd system was assumed to meet MAIN and ComEd criteria through 2007, since these same criteria have been historically applied to the ComEd control area and were applied during previous generator interconnection studies.

The results for 2004 through June 2005 are listed below. The final RTEP baseline report is expected to be issued shortly, but this summary is being provided as information due to the PJM annual FTR auction in mid-April.

1. In 2004, the Dresden 345/138 kV “Blue” transformer is overloaded for the outage of the Goodings Grove 345 kV – Lockport 345 kV “Red” circuit. The proposed solution is to perform a relay upgrade that results in a 420 MVA Rate A and 480 MVA Rate B rating on the Dresden 345/138 kV transformer.
2. In summer of 2005, the Des Plaines – Howard 138 kV circuit is overloaded for outage of the parallel circuit. The capacity of this circuit will be increased by either re-tensioning or re-conductoring the transmission line prior to June of 2005.

In addition, the following Transmission Owner identified projects were included in the PJM RTEP 2004 and 2005 system model.

- ✓ In 2004, install a new Wolfs Crossing substation and a new 345/138 kV transformer
- ✓ In 2004, install a second Burnham – Taylor 345 kV circuit
- ✓ In 2004, install two 345 kV bus tie circuit breakers at Des Plains
- ✓ In 2004, install one 345 kV bus tie circuit breaker and upgrade one 138 kV line circuit breaker at Lombard
- ✓ In 2004, upgrade a 138 kV line circuit breaker at Northbrook
- ✓ In 2004, upgrade two 138 kV bus tie circuit breakers at Ridgeland
- ✓ In 2004, upgrade one 345 kV bus tie circuit breaker at Goodings Grove
- ✓ In 2004, upgrade one 138 kV line circuit breaker at Dresden