



Generation Interconnections

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as a capacity resource.

Network Impacts - 15 MW Injection at Arnold

Potential PJM network impacts for the injection of 15 MW at the Arnold 115 kV substation were evaluated for summer peak conditions in 2004. Under certain conditions on the transmission system the generator contributes to an existing overload on the 115 kV tie to Potomac Edison Company at Garrett substation. This present solution of opening the tie under these conditions will continue to be utilized. Evaluation of single contingency and tower line outages showed no other voltage or thermal problems. No network upgrades have been identified.

The short circuit duty screening did not identify any circuit breakers that exceed their interrupting capability.