Generation Interconnection

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

Network Impacts

The # I12 project was studied with a total of 30.5 MW capacity injection into the Grand Point Substation (23 MW incremental). Project # I12 was evaluated for compliance with reliability criteria for summer peak conditions in 2007. Potential network impacts were as follows:

Normal System:

No identified problems.

Single Contingency:

No identified problems.

Multiple Facility Contingencies (i.e. Tower Line Outages);

No identified problems.

Generator Deliverability:

No identified problems.

Short Circuit Study:

No breaker replacements required for interconnection.

New System reinforcements (upgrades):

Replace the existing load meter with a bi-directional, revenue-quality, 69 kV meter.

Contribution to Previously Identified System Reinforcements;

The # I12 project will contribute to the cost of the following previously identified network reinforcements:

1. Build a new 230kV circuit from the new switching station at Doubs Substation to PEPCO's station H Subtation. The I12 project contributes approximately 7MW. The cost is estimated at $14.71 million and it will take 3 years to complete.

Cost allocation percentages are not provided as part of the Feasibility Study analysis, however, cost allocation will be provided during the Impact Study evaluations.