

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 -9.9 MW Injection into the Atwell 25kV Substation (# I16)

The # I16 project was studied as total of 9.9 MW capacity injection into the Atwell 25kV bus. Project #I16 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 identified breaker replacements required for interconnection.

New System reinforcements (upgrades)

None identified.

Contribution to Previously Identified System Reinforcements

None.

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