**#T159 Bergen 230kV**

# Generation Interconnection

**This analysis was completed to assess the reliability impact for the increase in generation interconnecting to the PJM system as a capacity resource.**

## Network Impacts

The Queue Project #T159 was studied as a 230MW (Capacity) injection at Bergen 230 kV substation in the PSEG area. Project #T159 was evaluated for compliance with reliability criteria for summer peak conditions in 2012. Project #T159 was evaluated utilizing 230MW of the 550MW of Capacity Interconnection Rights held by the Bergen #2 plant. Potential network impacts were as follows:

### Generator Deliverability

*(Single or N-1 contingencies for the Capacity portion only of the interconnection)*

No problems identified

### Multiple Facility Contingency

*(Double Circuit Tower Line, Line with Failed Breaker and Bus Fault contingencies for the full energy output)*

No problems identified

### Short Circuit

No problems identified

## Contribution to Previously Identified Overloads

*(This project contributes to the following contingency overloads, i.e. "Network Impacts", identified for earlier generation or transmission interconnection projects in the PJM Queue)*

No problems identified

## New System Reinforcements

*(Upgrades required to mitigate reliability criteria violations, i.e. Network Impacts, initially caused by the addition of this project generation)*

None

## Contribution to Previously Identified System Reinforcements

*(Overloads initially caused by prior Queue positions with additional contribution to overloading by this project. This project may have a % allocation cost responsibility which will be calculated and reported for the Impact Study)*

None