

**#T166 Conesville #6**  
**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 #T166 project was studied as a capacity increase of 20 MW at the Conesville 345 kV substation due to the additional capability at unit #6. Project #T166 was evaluated for compliance with reliability criteria for summer peak conditions in 2012 to determine if Capacity Interconnection Rights can be granted. Potential network impacts were as follows:

**Generator Deliverability**

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

No problems were identified.

**Multiple Facility Contingency**

*(Double Circuit Tower Line contingencies only for the full energy output. Stuck breaker and bus fault contingencies will be performed for the Impact Study)*

No problems were identified.

**Short Circuit**

Not Required

**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)*

None.

**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