

#R73 Indian River 5 MW  
**Generator 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 #R73 project was studied as an 5 MW increase in Capacity to Indian River Unit #3. Project #R73 was evaluated for compliance with reliability criteria for summer peak conditions in 2011. 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 because the increase in Capacity to Unit #4 does not change the generator or step-up transformer impedance.

**Stability Analysis**

Not required because of the size of the MW increase.

**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 were identified

**New System Reinforcements**

None required

**Contribution to Previously Identified System Reinforcements**

None required

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