

#R87 – Muskingum River #5 138kV
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 #R87 project was studied as a capacity increase of 10 MW at the Muskingum River 345 kV substation due to the additional capability at unit #5. Project #R87 was evaluated for compliance with reliability criteria for summer peak conditions in 2007 to determine if Capacity Interconnection Rights can be granted. Potential network impacts were as follows:

Generator Deliverability

No problems identified

Multiple Facility Contingency

No problems identified

Contribution to Previously Identified Overloads

No problems were identified

Short Circuit

Not required, since there are no changes to the generating unit electrical characteristics.

New System Reinforcements

None

Contribution to Previously Identified System Reinforcements

None

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