

#N50 Eldred 230kV 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 #N50 project was studied as a total injection of 90 MW (18 MW of capacity) at two distinct points in the system: (1) Into the Eldred 69 kV substation and (2) Into the Eldred 230 kV substation. Project #N50 was evaluated for compliance with reliability criteria for summer peak conditions in 2008.

Potential network impacts for both interconnection options were as follows:

Generator Deliverability

No problems were identified

Multiple Facility Contingency – Tower Line Outages

No problems were identified

Short Circuit

No identified problems.

Contribution to Previously Identified Overloads

None

New System Reinforcements

None

Contribution to Previously Identified System Reinforcements

None

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