

N03 Edgemoor 7 MW
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 - 7 MW Capacity Injection

The system, as planned, was evaluated for compliance with reliability criteria. **The # N03 Edgemoor 7 MW project was studied as a Capacity injection into the Edgemoor 69 kV bus.** The results are summarized below.

Generator Deliverability (Single Contingency)

No Problems.

Multiple Facility Contingency – Tower Line Outages

No problems were identified

Short Circuit

Not required. There were no changes to the generator or step-up transformer impedances.

Stability Analysis

Not required for MW increases of less than 25 MW if there are not know stability concerns.

New System Reinforcements

None.

Contribution to Previously Identified System Reinforcements

None.