

Generation Interconnection

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as an Energy (124MW) and Capacity resource (24.8MW).

Network Impacts

The Queue O70 project was studied as a 124 MW injection into either Susquehanna – Harwood 230 kV circuit #1 (Susq-Harw) or circuit #2 (Susq-EPal) for summer peak conditions in 2008. This project was evaluated as an “Energy” facility for 124 MW and as a “Capacity” resource for 24.8 MW. Network impact results were as follows:

Generator Deliverability (single contingency)

No problems identified.

Local System Impacts

No problems identified.

Multiple Facility Contingency (MAAC Criteria IIC)

No problems identified.

Short Circuit Analysis

No problems identified.

Network Upgrade Requirements

No network upgrades are required.