

#V4-013 Gloucester 26.4kV
Generation Interconnection

Network Impacts

The queue V4-013 project was studied as a 5.2MW injection (1.99MW of which was capacity) into PSEG's system at the Gloucester 26kV substation. The project was studied on a combined feasibility-impact basis which utilizes an AC analysis, and incorporates all contingency types. Project V4-013 was evaluated for compliance with reliability criteria for summer peak conditions in 2014.

The results listed below are for either interconnection Option #1 or Option #2.

Generator Deliverability

(Single or N-1 contingencies for the Capacity portion only of the interconnection)

No problems identified

Multiple Facility Contingency

(Double Circuit Tower Line, Line with Failed Breaker and Bus Fault contingencies for the full energy output)

No problems identified

Short Circuit

(Summary form of Cost allocation for breakers will be inserted here if any)

No problems identified

Stability

Not required because the project is less than 30 MW.

System Reinforcements

None.