Generation Interconnections

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as a capacity resource.

Network Impacts - 9.9 MW into the Walker 69 kV bus

Potential network impacts for the injection of 9.9 MW into the Walker 69 kV bus were evaluated for summer peak conditions in 2004.

Network Results

The C11 project was modeled as connected to the Walker 69 kV substation.

All studies were performed with the new Yorkana - Otter Creek 230 kV circuit, a baseline upgrade, in service. The C11 project cannot be granted capacity certification without the Yorkana - Otter Creek 230 kV circuit in service. In addition, the new Portland - Whippany 230 kV line, an upgrade required for previous generators, has been modeled.

Note that the results of the network analysis for this project are highly dependent upon the Queue B generation projects proposed in Central Pennsylvania. If sufficient Queue B generation withdraws from the interconnection process, additional upgrades to the Brunner-West Hempfield corridor may be required.

Normal System

- No identified problems.

Single Contingency (MAAC Criteria IIA)

- No identified problems.

Multiple Facility Contingency (MAAC Criteria IIC)

- No identified problems.

Generator Deliverability

- No identified problems.

Short Circuit Analysis

- No identified problems.

System Reinforcements

- No identified reinforcements.