

#N36 – Gold-Sabinsville 115kV 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 #N36 project was studied as total injection of 50 MW (10 MW of capacity) into a tap of the Gold – Sabinsville 115 kV circuit. Project #N36 was evaluated for compliance with reliability criteria for summer peak conditions in 2008. Potential network impacts were as follows:

Generator Deliverability

No identified problems.

Multiple Facility Contingency – Tower line Outages (MAAC Criteria IIC)

No identified problems.

Single Contingency

No identified problems.

Short Circuit

The Short Circuit evaluation for the lower voltages in FirstEnergy will be completed in the Impact Study. Evaluation of the transmission system showed no problems.

New System Reinforcements

None