



Generation Interconnections

This analysis was completed to assess the potential reliability impact for a new generator interconnecting to the PJM system as a Capacity Resource.

Network Impacts - 3 MW Injection

Network impacts for the injection of 3 MW into the Derwood 13 kV Feeder 15060 (Project #D29) were evaluated for 2004 summer peak conditions. Based on the power flow analysis performed the following network impacts were identified:

NETWORK REQUIREMENTS

- None

SHORT CIRCUIT ANALYSIS

- Because of the total size of units being proposed and the location where they are proposed to be connected, no short circuit duty analysis was performed due to minimal impact on the existing breakers.

STABILITY ANALYSIS

- Due to the size and location of the existing generation, no stability analysis will need to be performed to determine the impact to the system.