



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 - 11 MW Injection

Network impacts for the injection of 11 MW into the 9th St. (Sub 117) 13.8kV Bus were evaluated.

The addition of #D9 generation increases the short circuit duty for faults at the 9th St. (Sub 117) 13.8kV bus beyond the interrupting rating of all Forty-two 13.8kV circuit breakers at this location . Current limiting reactors must be installed on four 69kV - 13.8kV transformers at 9th St. (Sub 117) to reduce short circuit current for faults on 13.8 kV bus. The installation of reactors is estimated to cost \$1,000,000 and requires a lead time of 12 months.