



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 - 640 MW Injection

Injection of 640MW on the N. Lebanon - S. Lebanon 230kV transmission line will require the following network upgrades.

1. Reconfiguration of the existing North Lebanon - South Lebanon 230kV line by removal of the termination at North Lebanon Substation and reconnecting to a tap point on the North Hershey - Lyons 230kV line.
2. Addition of 230kV breakers at South Lebanon and Lyons.
3. Protective relay upgrades at South Lebanon, Middletown Junction, South Reading, North Hershey and Lyons Substations.
4. Rebuild of the South Lebanon - Third & Green 69kV transmission line to increase its capability.

Estimated costs for the network upgrades are \$2,000,000.