

#H26 Eagle Point 25 MW
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 - 25 MW Capacity Injection

Capacity injection of 25 MW into the Eagle Point 230kV bus was evaluated to determine Network Impacts. The following potential network upgrade requirements were determined.

Generator Deliverability

No identified problems.

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

No identified problems.

Short Circuit

No identified problems with uprate or evaluation with use of typical impedance for steam turbine-generator replacement with 25MW larger unit.

New System Reinforcements

None

Contribution to Previously Identified System Reinforcements

The H26 project will contribute to the cost of the following previously identified network reinforcements:

1. Build a second 230kV circuit from Mickleton – Monroe. The project contributes approximately 6.7MW. The cost is estimated at \$11.5 million and is expected to take 2 years to complete. Presently, generator interconnection Queues A19, A21 have already committed to cost allocation for construction of this upgrade, and Queue D28 has been issued an ISA which must be executed by November 11, 2002 to remain in the Queue.

Cost allocation percentage is not determined for Feasibility Studies. Determination of project cost allocation is performed as part of the Impact Study evaluations.