

#M27 Eddystone 7 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 - 7 MW Capacity Injection

The #M27 project was studied as a 7 MW Capacity Resource injection into the Eddystone 138 kV bus to determine compliance with reliability criteria for summer peak conditions in 2008. A summary of potential impacts is as follows:

Generator Deliverability

No problems identified.

Second Contingency (MAAC Criteria IIB)

No problems identified.

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

No problems identified.

Short Circuit Analysis

Not Required. Incremental increase of Unit #2 MWs does not effect generator or generator step-up transformer impedance. Therefore the Unit #2 short circuit current contribution remains the same.

New System Reinforcement Requirements

None.

Contribution to Previously Identified Reinforcement Requirements

None.