#S121 Vineland 63 MW

Generator 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

Queue S121 was studied as a 63MW (capacity resource) injection into the VMEU (Vineland Municipal Electric Utility) 69kV line connecting West substation to G-10 substation (line 0768). Project S121 was evaluated for compliance with reliability criteria for summer peak conditions in 2012. Potential network impacts were as follows:

NETWORK IMPACTS

Generator Deliverability

(Normal System with all facilities in-service and Single, or N-1, contingencies for the Capacity portion only of the interconnection)

No problems were identified.

Multiple Facility Contingency

(Double Circuit Tower Line contingencies only for the full energy output. Stuck breaker and bus fault contingencies will be performed for the Impact Study)

No problems were identified.

Short Circuit Analysis

No problems identified.

Stability Analysis

Will be performed for the Queue S121 Impact Study.

Contribution to Previously Identified Overloads

(This project contributes to the following previously identified overloads, i.e. "Network Impacts", already identified for earlier generation or transmission interconnection projects in the PJM Queue)

None identified.

NETWORK REINFORCEMENT REQUIREMENTS

New Reinforcement Requirements *(Upgrades required to mitigate reliability criteria violations, i.e. "Network Impacts", initially caused by the addition of this project)*

None.

Contribution to Previously Identified System Reinforcements *(This project contributes to the Network Impact causing the need for these Network Upgrades. This project will be allocated a cost to be determined during the Impact Study)*

None.