

## **Y3-046 Linden #5 & #6 138kV**

### **Generation Interconnection**

#### **Network Impacts**

The Queue Project #Y3-046 was studied as a 6.0MW (Capacity 6.0MW) injection at Linden 5 and Linden 6 13.8 kV substations in the PSEG area. Project #Y3-046 was evaluated for compliance with reliability criteria for summer peak conditions in 2017. Potential network impacts were as follows:

#### **Generator Deliverability**

(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**

No problems were identified

#### **Stability Analysis**

This analysis will be completed in the final Impact Study.

#### **Light Load Analysis**

Light Load Studies are to be conducted during later study phases (applicable to wind, coal, nuclear, and pumped storage projects).

#### **Contribution to Previously Identified Overloads**

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

None.

#### **New System Reinforcements**

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

None

**Contribution to Previously Identified System Reinforcements**

*(Overloads initially caused by prior Queue positions with additional contribution to overloading by this project. This project may have a % allocation cost responsibility which will be calculated and reported for the Impact Study)*

None