PJM Generator Interconnection
T171 Morgantown 69-kV
Feasibility & System Impact Study

Confidential

General

The queue project T171 was studied on the transmission system as 20MW (capacity) injection at the Morgantown substation via the 69kV bus in the PEPCO area. Project T171 was evaluated for compliance with reliability criteria for summer peak conditions in 2012.

Attachment facilities and local upgrades necessary to interconnect the facility must be studied by and coordinated with the local distribution company and PEPCO as this project is FERC non-jurisdictional.

From the transmission system perspective, no network impacts were identified as detailed below:

Network Impacts

Generator Deliverability

(Single or N-1 contingencies for the Capacity portion only of the interconnection)

No problems 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 identified.

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)

No problems identified.

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.

Short Circuit

Not required.