T156 Champion
Generation Interconnection

General

The Interconnection Customer has proposed a 20 MW increase to their previously submitted PJM Generator Interconnection Request M26. M26 is a Circulating Fluidized Bed generating facility to be located at the intersection of US 22 and Pennsylvania Route 980 in Robinson Township, Washington County, Pennsylvania. Both M26 and T156 will connect with the Allegheny Power (AP) transmission system at a same Point of Interconnection. T156 was evaluated for compliance with reliability criteria for summer peak conditions in 2013. The planned commercial in service date is February 28, 2011.

Point of Interconnection: Same as described in Queue Project M26.

Direct Connection Requirements

Transmission Owner Scope of Direct Connection Work

Same as described in Queue Project M26.

Interconnection Customer Scope of Direct Connection Work

Same as described in Queue Project M26.

Network Impacts

Generator Deliverability

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

None

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 System Impact Study)

None

Short Circuit

None, assuming upgrades are completed as identified in Queue Project M26.

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

Stability and Reactive Power Requirements

Will be performed during the Queue T156 System Impact Study.

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 System Impact Study)

None

Delivery of Energy Portion of Interconnection Request

(PJM also studied the delivery of the energy portion of this interconnection request. Any problems identified below are likely to result in operational restrictions to the project under study. The developer can proceed with Network Upgrades to eliminate the operational restriction at their discretion by submitting a Transmission Interconnection Request).

As a result of the aggregate energy resources in the area, the following violations were identified:

None