

***Generation Interconnection Feasibility Study
Report***

***PJM Generation Interconnection Request
Queue Position #U4-004
York 115 kV
120 MW
(120 MW capacity)***

June 2009

Network Impacts

The Queue Project #U4-004 was studied as a 120.0MW (Capacity 120.0MW) injection at Caterpillar York Plant 115 kV substation in the MetEd area. Project U1-050 was evaluated for compliance with reliability criteria in accordance with the procedures set forth in PJM Manual 14A and the FirstEnergy planning criteria for summer peak conditions in 2013.

Potential network impacts were as follows:

Generator Deliverability

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

No problems were identified

Multiple Facility Contingency

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

No problems were 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 were identified

Short Circuit

PJM studied the 230kV and above voltage systems and found no new breakers to be overdutied, and no addition to the fault current associated with any previously identified overdutied breakers. FirstEnergy has concluded that no FirstEnergy breakers have exceeded their interrupting capabilities as a result of the interconnection of this Queue Position #U4-004. Additional short circuit study will be conducted during the System Impact Study phase of this project.