

#O43 - University Park Generation Interconnection

Network Impacts

The #O43 project was studied as a total addition of 54 MW to the generating facility at University Park North. Project #O43 was evaluated for compliance with reliability criteria for summer peak conditions in 2009. Potential network impacts were as follows:

Generator Deliverability

No problems were identified

Multiple Facility Contingency

No problems were identified

Contribution to Previously Identified Overloads

None

New System Reinforcements

None

Contribution to Previously Identified System Reinforcements

To be determined during Impact Study

Short Circuit

No problems were identified.

Stability Analysis

Stability analysis has not been performed for this interconnection request. However, PJM is reviewing the stability analysis previously performed by both ComEd and AEP for the original generating plant project. Final stability analysis will be concluded during the Impact Study.

Potential Issues

The ComEd thermal studies performed for this Feasibility Study indicate that the #O43 project may potentially cause the need for reinforcements, or advancement of reinforcements, in the East Frankfort-Davis Creek area. This will be assessed further during the Impact Study.

Impacts on AEP's Transmission and Sub-transmission Systems

The AEP assessment indicated no impacts to power flows on the AEP high-voltage and sub-transmission networks and no impacts to the circuit breaker fault interrupting duties at the AEP stations nearest the University Park North generating plant.