

Queue #Q49 - Dresden 345kV 70 MW Generator Interconnection

Network Impacts

The #Q49 project was studied as an increase in capacity of 70 MW to the #2 unit at the Dresden 345 kV generating facility in ComEd. Project #Q49 was evaluated for compliance with PJM reliability criteria for summer peak conditions in 2011. 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 at the SIS phase .

Short Circuit

There were no overdutied circuit breakers due to #Q49 identified at this time.

Potential Issues

Impacts on the MISO member transmission systems are not included in this analysis, but they will be included in the Impact Study, which may reveal upgrades needed in the MISO system not identified in this Feasibility Study.

A transient stability study for #Q49 will be conducted as part of the Impact Study, which may reveal upgrades not identified in this Feasibility Study.