

**#O22 Powerton – Goodings Grove 345kV
Generation Interconnection**

Network Impacts

The #O22 project was studied as a total injection of 300 MW (60 MW of Capacity) into a tap of the Powerton to Goodings Grove 345 kV line 0301. Project #O22 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

Contribution to Previously Identified System Reinforcements

To be determined during Impact Study

Short Circuit

No problems were identified.

Potential Issues

The O22 project may impact the Powerton Stability Schemes due to the interconnection point on line 0301 Powerton to Goodings Grove. To be assessed further during the Impact Study.

Note: Impact on the MISO member transmission Systems is not included in this analysis, but will be in the Impact Study, which possibly may reveal upgrades needed in the MISO system not identified in this Feasibility Study.