

**#T116 – Latham-Pontiac I 345kV  
Generation Interconnection**

**Network Impacts**

The T116 project was studied as an increased 18 MW Capacity to the Unit #1 at the LaSalle County Station 345kV generating facility in the ComEd area. Project T116 was evaluated for compliance with reliability criteria for summer peak conditions in 2012. Potential network impacts were as follows:

**Generator Deliverability**

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

No problems were identified.

**Multiple Facility Contingency**

*(Double Circuit Tower Line contingencies were studied for the full energy output. The contingencies of Line with Failed Breaker and Bus Fault will be performed for the Impact Study.)*

No problems were identified.

**Short Circuit**

*(Summary of impacted circuit breakers)*

To be determined in the System Impact Study.

**Contribution to Previously Identified Overloads**

*(T116 contributes to the following contingency overloads, i.e. "Network Impacts", identified for earlier generation or transmission interconnection projects in the PJM Queue)*

None.

**Steady-State Voltage Requirements**

*(Summary of the VAR requirements based upon the results of the steady-state voltage studies)*

To be determined in the System Impact Study.

**Stability and Reactive Power Requirement**

*(Summary of the VAR requirements based upon the results of the dynamic studies)*

To be determined in the 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 Impact Study)*

None.

**Potential Issues**

A transient stability study for T116 will be conducted as part of the System Impact Study, which may reveal upgrades not identified in this Feasibility Study. Power factor requirements will also be analyzed during the System Impact Study.

**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.**