

#L05 CE22 Camp Grove 150 MW
Generation Interconnection

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as a Capacity resource.

Network Impacts - 30 MW Capacity Injection plus 120 MW Energy Injection

Network Impacts

The system, as planned, was evaluated for compliance with reliability criteria. **The L05_CE22 Camp Grove project was studied as 150 MW (30 MW Capacity and 120 MW Energy Resource) interconnection.** The results are summarized below.

Normal System

Overload of Kewanee 7421 (old 0321) line 138kV disconnect switches and leads.

Generator Deliverability (single Contingency)

No problems identified.

Local System Reliability Criteria

No problems identified.

Stability Analysis

Will be performed for the L05_CE22 Impact Study.

Short Circuit Analysis

No problems identified.

New System Reinforcement Requirements

Replace 3 disconnect switches and leads for circuit 7421 (old 0321). Remove CB bypass disconnects.

Replace 138kV switches at Kewanee \$690,000

New wire leads for switches \$200,000

Contribution to Previously Identified System Reinforcements

None.