

#L13 CE25 Geneva 39 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 - 29 MW Capacity Injection

The system, as planned, was evaluated for compliance with reliability criteria. **The #L13_CE25 Livingston project was studied as an 29 MW Capacity injection into the West Chicago 34.5kV bus.** The results are summarized below.

Normal System

No Problems identified.

Generator Deliverability (single Contingency)

No problems identified.

Local System Reliability Criteria

No problems identified.

Stability Analysis

To be performed during Impact Study.

Short Circuit Analysis

1500 MVA circuit breakers at West Chicago TSS 131 will be overdutied if three of the four 138-34.5 kV transformers (T76, T77, T78, and T79) are connected to the City of Geneva when all five 5.8 MW generators are on line.

The Customer may choose to have ComEd replace the West Chicago circuit breakers to remove this operating restriction.

New System Reinforcement Requirements

None.

Contribution to Previously Identified System Reinforcements

None.