

#R75 - Mitchell – Shepler Hill 138 Kv
Merchant Transmission Request

This analysis was completed to assess the reliability impact for a merchant transmission upgrade in the PJM system.

Network Impacts

Project #R75 was evaluated for compliance with 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

No significant contributions to previously overloaded facilities were identified

New System Reinforcements

None identified.

Contribution to Previously Identified System Reinforcements

None identified.

Short Circuit

No overdutied breakers were found.

IDRs at Elrama 138 kV

0 MW

The incremental MW-injection is limited by the Mitchell-Uninon J. 138 kV line for the tower outage of 138 kV lines Mitchell-Charleroi and Mitchell-Dry Run.