

Network Impacts

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The #L04 project was studied as a total of 60MW injection into the Loyalhanna - Bethlen 138kV circuit. The 20%(12MW) of the project was studied as a capacity injection and 80%(48MW) was studied as energy only injection. Project # L04 was evaluated for compliance with reliability criteria for summer peak conditions in 2008. Potential network impacts were as follows:

Normal System:

No identified problems in energy-only or in 20 % capacity mode.

Single Contingency:

No identified problems. It is assumed that the generator will be shut down for the loss of the Loyalhanna-Bethlen 138 kV line thus eliminating islanding issues.

Multiple Facility Contingencies (i.e. Tower Line Outages):

No identified problems.

Generator Deliverability:

No identified problems.

Short Circuit Study:

No breaker replacements required for interconnection.

New System Reinforcements (Upgrades):

No identified problems.

Contribution to Previously Identified System Reinforcements;

None.

Cost allocation percentages are not provided as part of the Feasibility Study analysis, however, cost allocation will be provided during the Impact Study evaluations.