Generation Interconnection
L07 – Harwood-Jenkins

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as an energy resource for its full output and as a capacity resource for 20% of its capability.

Potential network impacts for the injection of 42.9 MW into the **Harwood--Jenkins #2 69 kV (L07)** circuit are listed below. The project was evaluated as an energy facility for 42.9 MW and a Capacity resource for 8.6 MW.

Normal System

- No identified problems.

Multiple Facility Contingency (MAAC Criteria IIC)

- No identified problems.

Generator Deliverability

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- No identified problems..

Short Circuit Analysis

- No identified problems.

System Reinforcements

- None identified.

Since energy only units do not participate in system reinforcements to become "capacity certified", the units may not be "self scheduled" by the developer at full output. However, the developer may "bid in" the units into the PJM spot market. The units will be paid the Location Marginal Price of the Jenkins substation bus computed by PJM on an hourly basis.

Thermal overload conditions and the Northeast PA Stability Limit interface will be monitored by PJM and PPL. If the Jenkins LMP bus price computed by PJM falls below the developer bid price of the units, the units will be curtailed at the request of PJM operations control room. Since these are unmanned units, the PPL Electric Utilities control room will then issue a SCADA control signal via telephone line to disconnect the units.