

#U2-087 Juniata 500 MVAR  
**Transmission Interconnection**

**This analysis was completed to assess the reliability impact for a new Transmission interconnection to the PJM System.**

***Network Impacts***

Queue U2-087 was studied as a 500 MVAR SVC connected to the Juniata 500 kV bus or tapped into the Juniata – Conemaugh or Juniata – Keystone 500 kV lines via an in-line 3 breaker ring bus. Project U2-087 was evaluated for compliance with reliability criteria for summer peak conditions in 2012. Network impacts were as follows:

NETWORK IMPACTS

**Single Contingency**

No problems were identified.

**Multiple Facility Contingency**

No problems were identified.

**Contribution to Previously Identified Overloads**

None identified.

**Short Circuit**

No problems were identified.

**Stability Analysis**

Not required.

NETWORK UPGRADE REQUIREMENTS

**New System Reinforcements**

None identified.

**Contribution to Previously Identified System Reinforcements**

None identified.