

#Q05 – Emmaville Mountain **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

The #Q05 project was studied as an 18 MW (3.6 MW of Capacity) resource at the Warfordsburg 138 kV substation in the APS territory. Project #Q05 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 problems were identified

New System Reinforcements

None

Contribution to Previously Identified System Reinforcements

None

Short Circuit

No breaker replacements have been identified for this interconnection.