

#Q61 – Grassy Falls (Western Greenbrier)

**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 #Q61 project was studied as a 10 MW capacity increase to the N09 interconnection request in the APS territory. Project #Q61 was evaluated for compliance with reliability criteria for summer peak conditions in 2011. The analysis assumes that the M24 generation project and the O45 Merchant Transmission upgrade to the Grassy Falls-Crupperneck 138kV circuit are both in-service. Potential network impacts were as follows:

**Generator Deliverability**

No problems were identified

**Multiple Facility Contingency**

No problems were identified

**Short Circuit**

Not required as no changes to the electrical characteristics of the units were proposed

**Contribution to Previously Identified Overloads**

No problems were identified

**New System Reinforcements**

None

**Contribution to Previously Identified System Reinforcements**

None