

**#O06_DP01 – Altavista 115kV
Generation Interconnection**

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as a Capacity resource (4MW).

Network Impacts

The **O06_DP01** project was studied as an increase in capacity to unit **#52G1** and **#52G2** at the **Pittsylvania Power Station** generating facility. Project O06_DP01 was evaluated for compliance with reliability criteria for summer peak conditions in 2009. Potential network impacts were as follows:

Generator Deliverability

No problems were identified

Multiple Facility Contingency – Tower Line Outages

No problems were identified

Short Circuit

Not required.

Stability Analysis

Not required for existing generation that does not involve change to impedance, output capability or machine dynamic characteristics.

New System Reinforcements

None

Contribution to Previously Identified Overloads

None