

#Q10 – Keystone (Montpelier) 345kV
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 and Required System Upgrades

The #Q10 project was studied as a 27 MW increase in Capacity to the existing generating facility at Keystone 345 kV. Project #Q10 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

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