

#P42 – West Kingsport

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 #P42 project was studied as an injection of 50 MW into the Industrial Drive substation. Project #P42 was evaluated for compliance with reliability criteria for summer peak conditions. Potential network impacts were as follows:

Generator Deliverability

No problems were identified

Multiple Facility Contingency

No problems were identified

Short Circuit Analysis

No problems identified.

Stability Analysis

Stability analysis will be done in the Impact Study

Contribution to Previously Identified Overloads

No problems were identified

New System Reinforcements

None