



# Generation Interconnections

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM system as a capacity resource.

## Network Impacts -7 MW Increased Injection into the Montour 230kV substation (E7)

The system, as planned, was evaluated for compliance with reliability criteria for the 2005 summer peak case. The Montour E7 project was studied as 7 MW capacity increase of the Montour unit #2. The results are summarized below.

### Normal System

- No identified problems

### Multiple Facility Contingency (MAAC Criteria IIC)

- No identified problems.

### Generator Deliverability

- No identified problems.

### Short Circuit Analysis

- Short circuit analysis was not performed for the 7 MW increase. Short circuit analysis was done for a 14 MW increase to the generator as project A33. Since machine parameters did not change, there is no increase in short circuit duty.

### System Reinforcements

No system reinforcements are identified for the 7 MW increase.