

**#R23 – Lakewood 230kV**  
**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 #R23 project was studied as a capacity increase of 20 MW at the Lakewood 230 kV substation. Project #R23 was evaluated for compliance with reliability criteria for summer peak conditions in 2008 to determine if Capacity Interconnection Rights can be granted. Potential network impacts were as follows:

**Generator Deliverability**

No problems identified

**Multiple Facility Contingency**

No problems identified

**Contribution to Previously Identified Overloads**

No problems were identified

**Short Circuit**

Not required, since there are no changes to the generating unit electrical characteristics.

**New System Reinforcements**

None

**Contribution to Previously Identified System Reinforcements**

None

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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 #R23 project was studied as a capacity increase of 20 MW at the Lakewood 230 kV substation. Project #O42 was evaluated for compliance with reliability criteria for summer peak conditions in 2007 to determine if Capacity Interconnection Rights can be granted. Potential network impacts were as follows:

**Generator Deliverability**

No problems identified

**Multiple Facility Contingency**

No problems identified

**Contribution to Previously Identified Overloads**

No problems were identified

**Short Circuit**

Not required, since there are no changes to the generating unit electrical characteristics.

**New System Reinforcements**

None

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