

#R42- Moselem (Evansville) 69kV  
**Generation Interconnection**

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

**Network Impacts**

The #R42 project was studied as a 6 MW of capacity injection at the Moselem 69 kV substation in the Meted territory. Project #R42 was evaluated for compliance with reliability criteria for summer peak conditions in 2011. 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**

No problems were identified.

- Normal Configuration Fault duty at the proposed R42 Moselem (Evansville) campus (w/o generation):

3 - Phase	11,493 amps	$Z1 = 2.678 + j6.770\%$
SLG	7,675 amps	$Z0 = 7.746 + j16.430$

**Stability**

Not required for projects under 30 MW.

**New System Reinforcements**

None

**Contribution to Previously Identified System Reinforcements**

None