O71 - Hooversville 115 kV
Generation Interconnection

Network Impacts
The #O71 project was studied as a total injection of 60 MW (12 MW of Capacity) into the Hooversville 115 kV substation. Project #O71 was evaluated for compliance with reliability criteria for summer peak conditions in 2009. Potential network impacts were as follows:

Generator Deliverability
No problems were identified

Multiple Facility Contingency
No problems were identified

Contribution to Previously Identified Overloads
No problems were identified

New System Reinforcements
To be determined

Contribution to Previously Identified System Reinforcements
To be determined

Short Circuit
To be studied during Impact Study.

PJM also studied the delivery of the energy portion of this interconnection request. Any problems identified below are likely to result in operational restrictions to the project under study. The developer can proceed with network upgrades to eliminate the operational restriction at their discretion by submitting a Merchant Transmission Interconnection request.

As a result of the aggregate energy resources in the area, the following violations were identified:

1. The Altoona to Raystown 230 kV circuit loads to 103% of its emergency rating (554 MVA) for the outage of the Homer-Shelocta-Keystone 230 kV line. The #O71 project contributes approximately 11 MW to this condition.
2. The #O71 project contributes 6 MW to the overload of the Glory-Dixonville 115 kV line for the outage of the Homer Ct-Shelocta-Keystone 230 kV circuit, which was originally caused by the #O56 project.
3. The #O71 project contributes 9 MW to the overload of the Garret 115/138 kV transformer originated by the #O17 project for the outage of the Keystone-Shelocta-Homer 230 kV circuit.
4. The #O71 project contributes 25 MW to the overload at the Homer Ct-Shelocta for the outage of the Erie W. to Wayne 115 kV circuit, which was originally caused by the #O56 project.
5. The #O71 project contributes 7 MW to the overload at the Lewistown to Juniata 230 kV line for the outage of Juniata to Keystone 500 kV line, which was originally caused by the #O38 project.
6. The #O71 project contributes 9 MW to the overload of the Garret 115/138 kV transformer for the outage of the Keystone-Shelocta-Homer 230 kV circuit, which was originally caused by the #O17 project.