SOUTH BEND PROJECT (QUEUE #53)
FEASIBILITY STUDY ANALYSIS

DESCRIPTION OF PROJECT

The developer wishes to increase the summer output of the four combustion turbine (CT) generators for a maximum total generating capability of 704 MW (Summer) at their South Bend site in Armstrong County, Pennsylvania near GPU's Keystone Power Station. The project will have a 500 kV interconnection at AP's South Bend Station. The units will generate at 18 kV using natural gas for fuel. The customer will interconnect into the 500 kV and plans to have the generator with inlet cooling (fogging) equipment in service and producing power by June 1, 2002.

ANALYSIS RESULTS

Normal (Base) System Conditions

No overloads or other system deficiencies were identified.

Single Contingency Conditions

No overloads or other system deficiencies were identified as being caused by credible single contingencies.

Multiple Contingency Conditions

No overloads or other system deficiencies were identified as being caused by credible multiple contingencies.

Short Circuit Conditions

No breakers or other equipment were identified as being over their maximum interrupting or through-fault rating.

SYSTEM REINFORCEMENTS

Required Direct Interconnection Facilities

There are no additional costs associated with the increase in generation.

Required System Reinforcements

There were no system reinforcements required.

Required Short Circuit Reinforcements

There were no short circuit reinforcements required.

Summary

The generator output can be increased from this station without any reinforcements or additional interconnection facilities.