

This study was performed by MISO prior to Duke integration with PJM.

MISO Project Number	J120	County	Butler
Point of Interconnection	AK Steel Middletown - AK Steel 1C Substation 138kV	State	OH
Summer Net Output (MW)	128	Control Area	DEM
RESULTS	DPP		

Summer Off Peak

Limiting Element	Contingency	DF (%)	Rating (MVA)	Overload (%)	FCITC (MW)
N/A	N/A				

Summer Peak

Limiting Element	Contingency	DF (%)	Rating (MVA)	Overload (%)	FCITC (MW)
N/A	N/A				

*Constraints shown have a distribution factor above 5%. N/A indicates no constraints have been found based on the scope of the Feasibility Study.

MISO Project Number	J120	County	Butler
Point of Interconnection	Air Products Air Separation Plant sub 69 kV line	State	OH
Summer Net Output (MW)	128	Control Area	DEM
RESULTS	DPP		

Summer Off Peak

Limiting Element	Contingency	DF (%)	Rating (MVA)	Overload (%)	FCITC (MW)
Substation 32631 - Trenton 69kV ckt1	Base Case	100.0	74	117.4	32.9

Summer Peak

Limiting Element	Contingency	DF (%)	Rating (MVA)	Overload (%)	FCITC (MW)
N/A	N/A				

*69kV monitored elements observed but not used to determine the outcome of the results

*Constraints shown have a distribution factor above 5%. N/A indicates no constraints have been found based on the scope of the Feasibility Study.

MISO Project Number	J120	County	Butler
Point of Interconnection	Separation Plant sub 69 kV line dual interconnect	State	OH
Summer Net Output (MW)	128	Control Area	DEM
RESULTS	DPP		

Summer Off Peak

Limiting Element	Contingency	DF (%)	Rating (MVA)	Overload (%)	FCITC (MW)
N/A	N/A				

Summer Peak

Limiting Element	Contingency	DF (%)	Rating (MVA)	Overload (%)	FCITC (MW)
N/A	N/A				

*69kV monitored elements observed but not used to determine the outcome of the results

*Constraints shown have a distribution factor above 5%. N/A indicates no constraints have been found based on the scope of the Feasibility Study.