

Steady State Contingency Analysis Report

Report generated: August 23, 2024

Contingency: B70H#B71T

Total number of MVar margin criteria screened: 0

No violations.

Total number of monitored buses: 457

No violations.

Total number of monitored generators: 225

Generator Violations					
Bus Number	Bus Name	Gen ID	Bus Base (kV)	Low Voltage Criteria (pu)	High Voltage Criteria (pu)
669711	LIMESTONE	2	13.8	0.95	1.05
669716	LIMESTONE	7	13.8	0.95	1.05
669721	LONGSPRUCE	2	13.8	0.95	1.05
669726	LONGSPRUCE	7	13.8	0.95	1.05

Total number of OOS margin criteria screened: 5

OOS Violations						
OOS Name	Angle monitored	Angle re-mote	Monitor Bus	Other Bus	cktID	OOS mode
G82P	-11.08	-10.84	602057	667085	1	SLNOS
L20D	-29.47	-27.71	657752	667048	1	SLNOS
M602F	-30.98	-22.6	601001	601013	1	SLNOS

Total number of monitored branches: 555

No violations.

Total number of monitored two winding transformers: 460

Two Winding Transformer Thermal Violations										
Transformer Name	Bus Number		ID	Base (MVA)	Winding 1			Winding 2		
	Winding 1	Winding 2			Voltage (kV)	Rating (Amps)	Loading (Amps)	Voltage (kV)	Rating (Amps)	Loading (Amps)
ASHERN BANK 1	667029	668429	1	30.0	230.0	102.17	18.31	69.7	337.13	65.8
BANK 42	667014	667231	42	100.0	230.0	418.96	396.09	138.0	698.26	660.15
RADISON BANK 1	667016	667216	1	100.0	230.0	658.18	24.3	138.0	1096.97	38.89
T3_14	667005	669712	3	120.0	230.0	401.63	327.18	13.8	6693.92	5589.31
T3_15	667010	669722	3	100.0	230.0	326.08	242.78	13.8	5434.62	4248.64
T6_11	667004	669715	6	120.0	230.0	401.63	327.14	13.8	6693.92	5588.62
T7_7	667008	669726	7	100.0	230.0	326.08	242.79	13.8	5434.62	4248.87

Total number of monitored three winding transformers: 24

No violations.