

CATS HV N-0 VIOLATIONS

NONE

CATS HV N-1 FLOW VIOLATIONS

NO.	FROM	KV	TO	NAME	KV2	CONTINGENCY DESCRIPTION	RATING	OVLN %
17019	RIVIERA	69	17087	RIVIERA	230	"tran_812"Tran RIVIERA 69.00 to RIVIERA 230.00 Circuit 1	112.0	154.76%
17019	RIVIERA	69	17087	RIVIERA	230	"tran_813"Tran RIVIERA 69.00 to RIVIERA 230.00 Circuit 2	112.0	154.17%
19210	RATTLNKN	115	19216	TWINPEAK	115	"line_198"Line AVRA 115.0 to MARANA 115.0 Circuit 1	132.0	134.14%
19216	TWINPEAK	115	17670	PICTROCK	115	"line_198"Line AVRA 115.0 to MARANA 115.0 Circuit 1	132.0	133.01%
17670	PICTROCK	115	19212	SANDARIO	115	"line_198"Line AVRA 115.0 to MARANA 115.0 Circuit 1	132.0	122.59%
17089	SNDARIO	115	19212	SANDARIO	115	"line_198"Line AVRA 115.0 to MARANA 115.0 Circuit 1	132.0	121.43%
19210	RATTLNKN	115	19216	TWINPEAK	115	"line_199"Line AVRA 115.0 to SNDARIO 115.0 Circuit 1	132.0	116.27%
19216	TWINPEAK	115	17670	PICTROCK	115	"line_199"Line AVRA 115.0 to SNDARIO 115.0 Circuit 1	132.0	115.15%
14203	CASGRAPS	230	84848	CASGRAPS	69	"tran_914"Tran MILLIGAN 230.00 to MILLIGAN 69.00 Circuit 1	100.0	113.06%
17013	MARANATP	115	19210	RATTLNKN	115	"line_198"Line AVRA 115.0 to MARANA 115.0 Circuit 1	120.0	110.63%
17670	PICTROCK	115	19212	SANDARIO	115	"line_199"Line AVRA 115.0 to SNDARIO 115.0 Circuit 1	132.0	105.14%
17089	SNDARIO	115	19212	SANDARIO	115	"line_199"Line AVRA 115.0 to SNDARIO 115.0 Circuit 1	132.0	103.98%
17013	MARANATP	115	19210	RATTLNKN	115	"line_94"Line SAG.EAST 115.0 to NAVISKA 115.0 Circuit 1	120.0	100.57%
84848	CASGRAPS	69	84747	SE8	69	"tran_914"Tran MILLIGAN 230.00 to MILLIGAN 69.00 Circuit 1	107.6	100.24%

CATS HV N-1 DELTA VOLTAGE VIOLATIONS

BUS	NAME	KV	AREA	CONTINGENCY DESCRIPTION	DELTA V
84875	MERRIL	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	-12.92%
84904	SE5	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	-12.90%
84908	VLYFARMS	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	-12.61%
14359	VLYFARMS	115	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	-12.11%
17045	HACKBERY	69	14	"line_211"Line HACKBERY 230.0 to MORENCI 230.0 Circuit 1	-9.39%
17019	RIVIERA	69	14	"tran_812"Tran RIVIERA 69.00 to RIVIERA 230.00 Circuit 1	-7.47%
17019	RIVIERA	69	14	"tran_813"Tran RIVIERA 69.00 to RIVIERA 230.00 Circuit 2	-7.09%

CATS HV N-1 VOLTAGE MAGNITUDE VIOLATIONS

NUMBER	NAME	KV	AREA	OTG DESCRIPTION	VMAG
84904	SE5	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	88.42%
84875	MERRIL	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	88.44%
84926	MERRILTP	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	88.68%
84908	VLYFARMS	69	14	"line_264"Line COOLIDGE 115.0 to VLYFARMS 115.0 Circuit 1	90.29%
17019	RIVIERA	69	14	"tran_812"Tran RIVIERA 69.00 to RIVIERA 230.00 Circuit 1	94.04%
17019	RIVIERA	69	14	"tran_813"Tran RIVIERA 69.00 to RIVIERA 230.00 Circuit 2	94.42%

CATS HV N-2 FLOW VIOLATIONS (in addition to those identified in N-1)

FROM	NAME	KV	TO	NAME2	KV2	CONTINGENCY DESCRIPTION	RATING	% OVLD
14226	SNTAROSA	230	19068	TESTTRAK	230	"line_40_line_173"Line KNOX 230.0 to SNTAROSA _Line TESTTRAK 230.0 to ED5-230	174.9	112.39%
84747	SE8	69	84861	EGTAP W	69	"line_6_tran_280"Line SNTAROSA 230.0 to DBG _Tran MILLIGAN 230.00 to MILLIGAN	107.6	104.50%
84911	EASTGATS	69	84861	EGTAP W	69	"line_6_tran_280"Line SNTAROSA 230.0 to DBG _Tran MILLIGAN 230.00 to MILLIGAN	107.6	104.49%

FROM	NAME	KV	TO	NAME2	KV2	CONTINGENCY DESCRIPTION	RATE	% OVLD
19210	RATTLNKN	115	19216	TWINPEAK	115	"line_172_line_18"Line ED5-230 230.0 to MARANATP _Line MARANATP 115.0 to MARANA	132.0	151.82%
19210	RATTLNKN	115	19216	TWINPEAK	115	"line_186_tran_26"Line MARANATP 115.0 to MARANA _Tran MARANATP 230.00 to MARANA	132.0	151.82%
19216	TWINPEAK	115	17670	PICTROCK	115	"line_172_line_18"Line ED5-230 230.0 to MARANATP _Line MARANATP 115.0 to MARANA	132.0	150.69%
19216	TWINPEAK	115	17670	PICTROCK	115	"line_186_tran_26"Line MARANATP 115.0 to MARANA _Tran MARANATP 230.00 to MARANA	132.0	150.68%
84859	SNTAROSA	69	84880	ASARCOTP	69	"line_195_line_20"Line CASGRAPS 69.0 to SE8 _Line TOLTEC 69.0 to MILLIGAN	107.6	147.59%
84880	ASARCOTP	69	84910	VISTA W	69	"line_195_line_20"Line CASGRAPS 69.0 to SE8 _Line TOLTEC 69.0 to MILLIGAN	107.6	147.53%
84859	SNTAROSA	69	84880	ASARCOTP	69	"line_200_tran_27"Line TOLTEC 69.0 to MILLIGAN _Tran CASGRAPS 230.00 to CASGRAPS	107.6	147.49%
84880	ASARCOTP	69	84910	VISTA W	69	"line_200_tran_27"Line TOLTEC 69.0 to MILLIGAN _Tran CASGRAPS 230.00 to CASGRAPS	107.6	147.43%
17670	PICTROCK	115	19212	SANDARIO	115	"line_172_line_18"Line ED5-230 230.0 to MARANATP _Line MARANATP 115.0 to MARANA	132.0	139.83%
17670	PICTROCK	115	19212	SANDARIO	115	"line_186_tran_26"Line MARANATP 115.0 to MARANA _Tran MARANATP 230.00 to MARANA	132.0	139.83%
17089	SNDARIO	115	19212	SANDARIO	115	"line_172_line_18"Line ED5-230 230.0 to MARANATP _Line MARANATP 115.0 to MARANA	132.0	138.67%
17089	SNDARIO	115	19212	SANDARIO	115	"line_186_tran_26"Line MARANATP 115.0 to MARANA _Tran MARANATP 230.00 to MARANA	132.0	138.67%
84860	TOLTEC	69	84901	MILLIGAN	69	"line_199_line_20"Line SNTAROSA 69.0 to ASARCOTP _Line EASTGATS 69.0 to EGTAP W	107.6	123.34%
84860	TOLTEC	69	84901	MILLIGAN	69	"line_196_line_19"Line SE8 69.0 to EGTAP W _Line SNTAROSA 69.0 to ASARCOTP	107.6	123.31%
84860	TOLTEC	69	84901	MILLIGAN	69	"line_205_line_21"Line EASTGATS 69.0 to EGTAP W _Line ASARCOTP 69.0 to VISTA W	107.6	123.28%
84860	TOLTEC	69	84901	MILLIGAN	69	"line_196_line_21"Line SE8 69.0 to EGTAP W _Line ASARCOTP 69.0 to VISTA W	107.6	123.26%
84859	SNTAROSA	69	84880	ASARCOTP	69	"line_200_line_20"Line TOLTEC 69.0 to MILLIGAN _Line EASTGATS 69.0 to EGTAP W	107.6	119.43%
84859	SNTAROSA	69	84880	ASARCOTP	69	"line_196_line_20"Line SE8 69.0 to EGTAP W _Line TOLTEC 69.0 to MILLIGAN	107.6	119.41%
84880	ASARCOTP	69	84910	VISTA W	69	"line_200_line_20"Line TOLTEC 69.0 to MILLIGAN _Line EASTGATS 69.0 to EGTAP W	107.6	119.36%
84880	ASARCOTP	69	84910	VISTA W	69	"line_196_line_20"Line SE8 69.0 to EGTAP W _Line TOLTEC 69.0 to MILLIGAN	107.6	119.34%
94025	MARTAP2	69	94011	FARRELL	69	"line_143_tran_25"Line REDRIVER 69.0 to PETENALL _Tran PINAL W 500.00 to PINALW69	40.0	112.54%
17013	MARANATP	115	19210	RATTLNKN	115	"line_172_line_18"Line ED5-230 230.0 to MARANATP _Line MARANATP 115.0 to MARANA	120.0	110.20%
17013	MARANATP	115	19210	RATTLNKN	115	"line_186_tran_26"Line MARANATP 115.0 to MARANA _Tran MARANATP 230.00 to MARANA	120.0	110.20%
19068	TESTTRAK	230	19217	TESTTRAK	69	"tran_251_tran_27"Tran SNTAROSA 230.00 to SNRSAD3 _Tran SNTAROSA 230.00 to SNTAROSA	167.0	100.35%