System Voltage Deviation Report

Case Name *18hs1p*

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
125ROAD 115.00	125ROAD 230.00-B.SANDY 230.00 CIRCUIT 1	0.05765	2
125ROAD 230.00	125ROAD 230.00-B.SANDY 230.00 CIRCUIT 1	0.06690	1
38TH ST 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04671	1
44TH ST 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.05229	1
4TH ST 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04996	1
4THST TP 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04996	1
5TH ST 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.07499	1
5THST TP 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.07493	1
88 OIL 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.32395	1
ADOBE 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.14727	5
AIRPORT 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.09038	1
ALLISON 115.00	ALLISON 115.00-SODALAKE 115.00 CIRCUIT 1	0.05750	1
ALMSA ST 69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.11262	1
ALVIN 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.07112	3
AM EAST 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.06668	1
AMES 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.05095	1
ANAMOSA 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04996	1
ANGOSTUR 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.15003	1
ANSEL TS 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05195	1
AREQUGCH 115.00	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.09594	3
ARGYLE 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.11734	2
ARICKARE 115.00	HELL TAP 115.00-SO. FORK 115.00 CIRCUIT 1	0.05142	1

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
ASPEN TP 69.000	ASPEN TP 69.000-READER 69.000 CIRCUIT 1	0.06679	1
AULT 115.00	COBBLKTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.07276	2
B.SANDY 115.00	B.SANDY 115.00-B.SANDY 230.00 CIRCUIT 1	0.05894	1
BARLOW 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06656	2
BASIN 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.07357	1
BAYOU 115.00	BAYOU 115.00-PARKERPS 115.00 CIRCUIT 1	0.06701	1
BELMONT 69.000	ASPEN TP 69.000-BLENDE 69.000 CIRCUIT 1	0.04400	1
BENCH 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.08790	4
BENFRNCH 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04663	1
BENTON 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.32455	1
BETHELLM 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.05499	2
BFRNCH26 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04663	1
BGEORGE 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.05860	1
BGEORGE 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.05495	2
BIG BEN 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04755	1
BIJOUTAP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.05531	2
BLENDE 69.000	ASPEN TP 69.000-BLENDE 69.000 CIRCUIT 1	0.06622	2
BLKHLWTP 115.00	COBBLKTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.08358	2
BO HYDRO 115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.06188	1
BOOMERNG 115.00	BOOMERNG 115.00-WELD LM 115.00 CIRCUIT 1	0.05171	1
BOONE 115.00	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07922	1
BOONE 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07980	1
BOONE TP 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08004	1
BOXELDER 115.00	RICHRDTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.06570	1
BRACEWLL 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.07459	1

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
BRIDGEPT 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.08070	3
BRUSHTAP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.07766	1
BUFFBILL 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.07215	1
BURROBDG 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.05849	1
BURROCYN 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.07421	1
BUSHNELL 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.07923	3
BUSHNLTP 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.07921	3
CAMBELL 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.05206	1
CAMEO 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.10389	4
CAMEO 69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.07994	5
CAMP 69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.04955	4
CANONCTY 115.00	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.08480	1
CANONCTY 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.38585	3
CARMEL 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05547	2
CARTERMT 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.05933	2
CARTERMT 69.000	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.06167	2
CASCADEL 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.08400	1
CEMETERY 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04677	1
CEMNT CK 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.06245	1
CENTER 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05319	2
CENTRYRD 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.05040	1
CHEN TAP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.32395	6
CHENEY 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.32799	6
CLIFTON 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.15887	2
CLINTON 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04826	1

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
CMNTPLNT 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04663	1
COALBANK 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.07105	1
COBBLAKE 115.00	COBBLKTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.09107	2
COBBLKTP 115.00	COBBLKTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.09106	2
COCENTER 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05212	1
COORSREC 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.10442	2
CREEDE 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05466	2
CRETESWT 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.07112	3
CROSS ST 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04783	1
CRPLE CK 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.22302	4
CRWFTVLY 115.00	DANIELPK 115.00-DANIELPK 230.00 CIRCUIT T1	0.04982	1
CSOC 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.04856	1
CTY LAJ 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07658	1
CTY LAM 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.06568	3
CUSTER 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.08892	1
DALTON 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.11441	3
DANIELPK 115.00	DANIELPK 115.00-DANIELPK 230.00 CIRCUIT T1	0.08668	1
DEBEQUE 69.000	CAMEO 69.000-DEBEQUE 69.000 CIRCUIT 1	0.06671	6
DELCAMIN 115.00	DEL CTAP 115.00-DELCAMIN 115.00 CIRCUIT 1	0.04867	1
DELNORTE 69.000	RIOGRDTP 69.000-SARGENT 69.000 CIRCUIT 1	0.06007	2
DOT 115.00	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07041	1
DOT TAP 115.00	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07012	1
E CANON 69.000	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.06314	2
EADS 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.06917	3
EASTNRTH 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.05072	1

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
ECKLEY 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.05444	2
EDGEMONT 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.13693	2
EFMORGTP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06656	2
ELIZABTH 115.00	BAYOU 115.00-PARKERPS 115.00 CIRCUIT 1	0.06751	1
EMIGRANT 115.00	EMIGRANT 115.00-STEGALL 115.00 CIRCUIT 1	0.04655	1
ENGLE3TP 115.00	ARAPAHOB 115.00-ENGLE3TP 115.00 CIRCUIT 1	0.11749	1
ENGLEWD3 115.00	ARAPAHOB 115.00-ENGLE3TP 115.00 CIRCUIT 1	0.11765	1
ENNIS 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.11017	1
EXCEL 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06314	2
FALCONMV 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.05425	1
FALCONMV 69.000	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.05626	1
FEDERHT1 115.00	CHEROKEE 115.00-FEDERHT1 115.00 CIRCUIT 1	0.04987	1
FEDERHT2 115.00	CHEROKEE 115.00-FEDERHT2 115.00 CIRCUIT 2	0.06763	1
FLEMING 115.00	MESSEX 115.00-STERLING 115.00 CIRCUIT 1	0.06157	4
FLOR.RIV 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.07083	1
FLORENCE 69.000	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.06228	2
FME 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06317	2
FMN 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06656	2
FMS 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06313	2
FMWEST 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.06313	2
FOWLER 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08573	2
FRENCHCK 115.00	FRENCHCK 115.00-WAUNETA 115.00 CIRCUIT 1	0.05301	1
FRUITA 69.000	FRUITA 13.800-FRUITA 69.000 CIRCUIT 1	0.19672	6
FT HOLLY 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.22163	7
FT. LYON 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08161	2

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FTGARLND 69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.11921	1
FTLUPTON 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.10945	1
FULTONTS 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.09972	3
GALIEN 115.00	MESSEX 115.00-STERLING 115.00 CIRCUIT 1	0.06861	4
GARLAND 69.000	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.05422	5
GEESEN 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.04855	1
GILCREST 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.11148	1
GILLETTE 69.000	WYODAK 69.000-WYODAK 230.00 CIRCUIT 2	0.06003	1
GILLETTS 69.000	WYODAK 69.000-WYODAK 230.00 CIRCUIT 2	0.05974	1
GLENDLTP 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.06423	1
GLENWOOD 69.000	HOPKINS 69.000-ROARNGFK 69.000 CIRCUIT 1	0.04452	1
GODFRETP 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.08598	1
GRAN TAP 69.000	GRAN TAP 69.000-WILOW CK 69.000 CIRCUIT 1	0.21713	5
GRANADA 69.000	GRAN TAP 69.000-WILOW CK 69.000 CIRCUIT 1	0.21757	5
GRANDJCT 230.00	GRANDJCT 230.00-GRANDJCT 345.00 CIRCUIT 1	0.15852	1
GRANDJCT 69.000	GRANDJCT 69.000-GRANDJCT 115.00 CIRCUIT T1	0.05311	5
GRANDJPS 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.15437	3
GRANDVLY 69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.04955	4
GREELEY 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.08576	1
GREENWOD 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.09558	3
HAXTUN 115.00	MESSEX 115.00-STERLING 115.00 CIRCUIT 1	0.05409	2
HEART MT 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.06982	1
HELL CK 115.00	HELL TAP 115.00-SO. FORK 115.00 CIRCUIT 1	0.06211	1
HELL TAP 115.00	HELL TAP 115.00-SO. FORK 115.00 CIRCUIT 1	0.06205	1
HIGHLND 69.000	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.06208	2

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
HILANDSL 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05413	2
HILLCITY 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04864	1
HILLTOP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.49257	3
HLTP TAP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.49237	3
HOLL TAP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.22034	7
HOMELAKE 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04840	2
HOOPER 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05324	2
HOOPERTP 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05294	2
HOPKINS 69.000	HOPKINS 69.000-HOPKINS 115.00 CIRCUIT T1	0.06081	1
HORIZON 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.15146	5
HPCYN 115.00	DANIELPK 115.00-DANIELPK 230.00 CIRCUIT T1	0.06565	2
HUDSON 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.11005	1
HUERFANO 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08022	1
IDALIA 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.04761	1
JACINTO 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.10959	2
JOES 115.00	HELL TAP 115.00-SO. FORK 115.00 CIRCUIT 1	0.05883	1
JOHNSTN 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.08612	1
JWL CAVE 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.08898	1
KERBERCK 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04454	1
KIMBALL 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.09016	2
KIMBALLC 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.09016	2
KODAK 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.07455	1
LA SECPA 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07808	1
LAGARITA 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05415	2
LAJUNTAT 115.00	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.06603	1

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LAJUNTAT 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07601	1
LAJUNTAW 115.00	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07389	2
LAJUNTAW 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07643	1
LANGE TP 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04848	1
LIBERTY 115.00	HELL TAP 115.00-SO. FORK 115.00 CIRCUIT 1	0.05978	1
LIMON 115.00	B.SANDY 115.00-B.SANDY 230.00 CIRCUIT 1	0.05912	1
LINDEN 115.00	LINDEN 115.00-TIMBERLN 115.00 CIRCUIT 1	0.04909	1
LITTLET1 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.07332	3
LITTLET2 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.07519	3
LKGRGE 115.00	LKGRGE 115.00-TARRYALL 115.00 CIRCUIT 1	0.05733	2
LOVELL 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.06355	1
LOVELL 69.000	LOVELL 69.000-LOVELL 115.00 CIRCUIT 1	0.06468	2
LS ANMAS 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08145	2
LUDLOTAP 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.06914	1
MALL 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04587	1
MANZANOL 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08474	2
MARTIN 1 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.10561	1
MARTN1TP 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.10555	1
MCFT PR 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.09837	1
MCGREW 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.05282	1
MEARSJCT 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04433	1
MEETSETP 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.06338	1
MERILLAT 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.06363	1
MESSEX 115.00	BEAVERCK 115.00-MESSEX 115.00 CIRCUIT 1	0.10195	1
MIDWAYPS 115.00	MIDWAYPS 115.00-MIDWAYPS 230.00 CIRCUIT T1	0.04883	1

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MIRGEJCT 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05114	1
MITCHLCR 69.000	GLENWOOD 69.000-MITCHLCR 69.000 CIRCUIT 1	0.04541	1
MOFFAT 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05103	1
MOLASTAP 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.06559	1
MONFORT 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.07769	1
MOSCA 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04892	1
N. CODY 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.06997	1
N.YUMA 115.00	N.YUMA 115.00-N.YUMA 230.00 CIRCUIT 1	0.05260	1
NAHNEJEN 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.07761	1
NCANON 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.36605	4
NCANON W 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.36602	4
NCAR 115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.04906	1
NEWCSTLE 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.33807	1
NLOOP TP 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04407	1
NSS1 69.000	WYODAK 69.000-WYODAK 230.00 CIRCUIT 2	0.05801	1
NSS2 69.000	WYODAK 69.000-WYODAK 230.00 CIRCUIT 2	0.05773	1
NUNN 115.00	COBBLKTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.05887	1
OLD16TAP 69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.11281	1
ORDWAY 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08598	2
OSAG CTY 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.32315	1
OSAGE 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.32279	1
OWL_CRK 115.00	OWL_CRK 115.00-PONNEQUI 115.00 CIRCUIT 1	0.05540	1
OXCART 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04447	1
P P MINE 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.22224	4
P.VALLEY 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.07329	1

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PACTOLA 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04809	1
PADDOCK 69.000	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.05673	1
PAGOSA 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.04480	1
PARACHUT 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.08756	4
PARKWAY 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.05332	1
PDA 69.000	ASPEN TP 69.000-BLENDE 69.000 CIRCUIT 1	0.06698	2
PDA 5 115.00	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07037	1
PDA TAP 69.000	ASPEN TP 69.000-BLENDE 69.000 CIRCUIT 1	0.06692	2
PEETZ 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.10205	5
PENROSE 69.000	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.06163	2
PHILLIPS 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07752	1
PHLPS TP 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.07748	1
PILOT BU 115.00	RIVERTON 115.00-WINDRIVT 115.00 CIRCUIT 1	0.04423	1
PILOT BU 69.000	RIVERTON 115.00-WINDRIVT 115.00 CIRCUIT 1	0.04423	1
PINEBLUF 115.00	ARCHER 115.00-PINEBLUF 115.00 CIRCUIT 1	0.06226	2
PINONCYN 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.06959	1
PLAZA 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05480	2
PLSNTVLY 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04929	1
PONCHA 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04428	1
PONCHABR 230.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04655	1
PORTLAND 115.00	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.05643	2
PORTLAND 69.000	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.06119	2
POWELLTP 69.000	N. CODY 69.000-RALSTON 69.000 CIRCUIT 1	0.05992	3
PRINGLE 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.10945	1
PROWERS 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.06575	3

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
PUEB W 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.15022	1
PUEB-TAP 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.14991	1
RADIO_DR 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.07037	1
RALSTON 69.000	N. CODY 69.000-RALSTON 69.000 CIRCUIT 1	0.07414	3
RAMON 115.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05331	2
RAMON 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05381	2
RCSOUTH2 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.07467	1
RDGCREST 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.10207	5
REDWILLW 115.00	N.YUMA 115.00-REDWILLW 115.00 CIRCUIT 1	0.06401	2
RIOGRAND 69.000	RIOGRDTP 69.000-SARGENT 69.000 CIRCUIT 1	0.05985	2
RIOGRDTP 69.000	RIOGRDTP 69.000-SARGENT 69.000 CIRCUIT 1	0.05921	2
RIVERTON 115.00	RIVERTON 115.00-RIVERTON 230.00 CIRCUIT 1	0.06238	1
ROARNGFK 69.000	HOPKINS 69.000-ROARNGFK 69.000 CIRCUIT 1	0.04659	2
ROBB 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.05469	2
ROBINSDL 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.07506	1
ROBNS TP 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.05687	1
ROCKPRTP 115.00	OWL_CRK 115.00-PONNEQUI 115.00 CIRCUIT 1	0.05207	1
ROCKWOOD	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.09314	1
ROCKYFRD 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08129	2
ROSEDALE 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.04442	1
ROXBOROU 115.00	ROXBOROU 115.00-WATERTON 115.00 CIRCUIT 1	0.06992	1
S CANON 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.39205	3
S CANONW 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.39122	3
S FWL TP 69.000	BOONE 115.00-BOONE 230.00 CIRCUIT 1	0.08058	1
S.ACACIO 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05610	2

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
S.CRK TP 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.33785	1
SAGEBRSH 115.00	HELL TAP 115.00-SO. FORK 115.00 CIRCUIT 1	0.06225	1
SAGUACHE 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05129	1
SALT CRK 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.33875	1
SANDHILL 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.09271	2
SANLSVLY 115.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05236	2
SANLSVLY 230.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05239	2
SANLSVLY 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05074	1
SARGENT 115.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05502	1
SARGENT 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05220	1
SEDALIA 115.00	ROXBOROU 115.00-WATERTON 115.00 CIRCUIT 1	0.05409	1
SFORK SL 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05386	2
SIDNEY 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.13300	2
SIDNEY 230.00	SIDNEY 230.00-STEGALL 230.00 CIRCUIT 1	0.04615	1
SIDNEYDC 230.00	SIDNEY 230.00-STEGALL 230.00 CIRCUIT 1	0.04615	1
SILVERTN 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.06240	1
SKALA 115.00	CANONCTY 115.00-W CANON 115.00 CIRCUIT 1	0.06431	2
SKINNER 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.40482	3
SKYLINE 115.00	ARCHER 115.00-SKYLINE 115.00 CIRCUIT 1	0.04510	1
SPRNGFLD 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.49392	3
ST.CHAS. 69.000	ASPEN TP 69.000-BLENDE 69.000 CIRCUIT 1	0.06682	2
STANLEY 115.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05254	2
STEM BCH 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.11647	1
STERLING 115.00	MESSEX 115.00-STERLING 115.00 CIRCUIT 1	0.07342	3
STMBEACH 69.000	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.11493	1

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
STOCKADE 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05566	2
SUNSH SM 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.04888	1
SUNSHINE 115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.06817	1
SUNSHTAP 115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.06816	1
T BUTTES 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.41848	6
TARRYALL 115.00	TARRYALL 115.00-TARRYALL 230.00 CIRCUIT T1	0.06231	1
TELLURID 115.00	HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1	0.05025	1
TIMNATH 115.00	RICHRDTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.06570	1
TIMNTHTP 115.00	RICHRDTP 115.00-TIMNTHTP 115.00 CIRCUIT 1	0.06569	1
TODD CRE 115.00	CHEROKEE 115.00-TODD CRE 115.00 CIRCUIT 1	0.05348	1
UINTAH 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.14258	5
UINTAH 69.000	FRUITA 13.800-FRUITA 69.000 CIRCUIT 1	0.18164	7
UNA ORCH 69.000	CAMEO 69.000-DEBEQUE 69.000 CIRCUIT 1	0.05837	6
UNC 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.07182	1
UNIONOIL 69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.04955	4
UPTON TP 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.23284	1
UPTON_C 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.32461	1
VASQUEZ 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.11123	1
VERNONLM 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.05537	2
VERNONTP 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.07150	1
VICTOR 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.23351	5
VILAS 115.00	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.48700	2
VILAS 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.48872	3
VILLA 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.04450	1
VINELAND 69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.07107	5

Bus Name	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
W CANON 115.00	W CANON 115.00-W CANON 230.00 CIRCUIT 1	0.04949	1
WAGES 115.00	N.YUMA 115.00-REDWILLW 115.00 CIRCUIT 1	0.04850	1
WALSENBG 115.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.06193	1
WALSENBG 230.00	PUEB-TAP 115.00-W.STATON 115.00 CIRCUIT 1	0.04763	1
WALSENBG 69.000	WALSENBG 69.000-WALSENBG 115.00 CIRCUIT 1	0.20579	2
WALSH 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.46360	5
WAUNETA 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.05117	2
WAVERLY 115.00	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05358	2
WAVERLY 69.000	PONCHABR 230.00-W CANON 230.00 CIRCUIT 1	0.05525	2
WEELERPS 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.08768	4
WESTBLVD 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04916	1
WHITNEY 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.07454	1
WILDCAT 115.00	EMIGRANT 115.00-STEGALL 115.00 CIRCUIT 1	0.04678	1
WILOW CK 115.00	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.07886	1
WILOW CK 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.06873	3
WINDRIVR 115.00	RIVERTON 115.00-WINDRIVT 115.00 CIRCUIT 1	0.06126	2
WINDRIVT 115.00	RIVERTON 115.00-WINDRIVT 115.00 CIRCUIT 1	0.06127	2
WINDSOR 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.08207	1
WINDSORT 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.08190	1
WORLANTP 115.00	YELLOWBR 230.00-YELOWTLP 230.00 CIRCUIT 1	0.06030	1
WRAY 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.08588	1
WRAY TAP 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.08509	2
WRAYWAPA 115.00	WRAY 115.00-WRAY 230.00 CIRCUIT 1	0.08509	2
WTRPLANT 69.000	RCSOUTH1 230.00-RCSOUTH2 69.000 CIRCUIT 1	0.04668	1
WY REFIN 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.33785	1

Case Name *18hs1p*

Bus Name		***Most Severe Contingency***			***Worst Case Voltage Deviation (pu)***	***Count***
WYODAK	69.000	WYODAK	69.000-WYODAK	230.00 CIRCUIT 2	0.05807	1
ZINZER	69.000	PONCHABR	230.00-W CANON	230.00 CIRCUIT 1	0.05599	2