

System Voltage Deviation Report

Case Name	18hs1pPTI_CLRTPGr3	Most Severe Contingency	Worst Case Voltage Deviation (pu)	Count
Bus Name				
88 OIL	69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.30137	1
ADENA	115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.13852	1
ADOBE	230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.14894	3
AIRPORT	115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.10249	1
ALMSA ST	69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.10685	1
AM EAST	115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.27888	3
ANGOSTUR	69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.14519	1
ANIMARIV	115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.07361	1
AREQUGCH	115.00	AREQUGCH 115.00-W CANON 115.00 CIRCUIT 1	0.20988	2
ARGYLE	69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.11381	1
AULT	115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.11263	1
BARLOW	115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.17061	2
BASIN	115.00	YELLOWBR 230.00-YELLOWTLP 230.00 CIRCUIT 1	0.07602	1
BAYFIELD	115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.18476	3
BENCH	230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.09460	4
BENTON	69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.30190	1
BIJOUTAP	115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.15249	4
BLKHLWTP	115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.12870	1
BO HYDRO	115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.06870	1
BODO	115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.06989	1
BRACEWLL	115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.08505	1
BRIDGEPT	115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.11607	1

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<i>Bus Name</i>		<i>Most Severe Contingency</i>	<i>Worst Case Voltage Deviation (pu)</i>	<i>Count</i>
BRIGHTNW	115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.59800	1
BRUSHTAP	115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.18809	1
BUFFBILL	69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.07767	1
BUSHNELL	115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.10804	2
BUSHNLTP	115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.10802	2
CAMEO	230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.10477	4
CAMEO	69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.07974	5
CANONCTY	69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.50884	1
CARTERMT	69.000	YELLOWBR 230.00-YELLOWTLP 230.00 CIRCUIT 1	0.06459	1
CARYTS	115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.10250	1
CENTER	69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.13612	2
CHEN TAP	69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.09464	3
CHENEY	69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.09503	3
CLIFTON	230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.16058	2
COBBLAKE	115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.13956	1
COBBLKTP	115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.13955	1
COORSREC	115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.08944	1
CRPLE CK	69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.34214	4
CSOC	115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.11843	1
CTY LAJ	69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08225	2
CTY LAM	69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.12436	1
CUSTER	69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.08652	1
DACONO	115.00	DEL CTAP 115.00-DELCAMIN 115.00 CIRCUIT 1	0.06900	1
DALTON	115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.15822	2
DANIELPK	115.00	DANIELPK 115.00-DANIELPK 230.00 CIRCUIT T1	0.09706	1

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DEBEQUE 69.000		CAMEO 69.000-DEBEQUE 69.000 CIRCUIT 1	0.06431	1
DELCAMIN 115.00		DEL CTAP 115.00-DELCAMIN 115.00 CIRCUIT 1	0.10630	1
DELNORTE 69.000		RIOGRDTP 69.000-SARGENT 69.000 CIRCUIT 1	0.06620	1
DURANGO 115.00		FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.07351	1
EADS 69.000		LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.12901	1
EDGEMONT 69.000		ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.13264	1
EFMORGTP 115.00		BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.17060	2
ENGLE3TP 115.00		ARAPAHOB 115.00-ENGLE3TP 115.00 CIRCUIT 1	0.11278	1
ENGLEWD3 115.00		ARAPAHOB 115.00-ENGLE3TP 115.00 CIRCUIT 1	0.11295	1
ENNIS 115.00		FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.09476	1
EXCEL 115.00		BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.16547	4
FALCONMV 115.00		FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.13148	1
FALCONMV 69.000		FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.13688	1
FEDERHT2 115.00		CHEROKEE 115.00-FEDERHT2 115.00 CIRCUIT 2	0.06774	1
FLEMING 115.00		SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.06664	1
FLOR.RIV 115.00		FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.29179	3
FME 115.00		BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.16562	4
FMN 115.00		BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.17061	2
FMS 115.00		BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.16547	4
FMWEST 115.00		BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.16547	4
FOWLER 69.000		LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.06721	1
FRUITA 69.000		FRUITA 13.800-FRUITA 69.000 CIRCUIT 1	0.20181	4
FT HOLLY 69.000		LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.11025	1
FT. LYON 69.000		LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08339	2
FTGARLND 69.000		ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.11355	1

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<i>Bus Name</i>	<i>Most Severe Contingency</i>	<i>Worst Case Voltage Deviation (pu)</i>	<i>Count</i>
FTLUPTON 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.09392	1
FULTONTS 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.08526	1
GALIEN 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.07493	1
GATEWYTS 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.10250	1
GEESEN 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.11842	1
GILCREST 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.09564	1
GLENDLTP 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.06936	1
GODFRETP 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.08695	1
GRAN TAP 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.11354	1
GRANADA 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.11366	1
GRANDJCT 230.00	GRANDJCT 230.00-GRANDJCT 345.00 CIRCUIT 1	0.16014	1
GRANDJPS 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.15609	3
GREELEY 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.08672	1
GREENWOD 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.13509	2
HEART MT 69.000	BUFFBILL 69.000-BUFFBLPP 69.000 CIRCUIT 1	0.07523	1
HESPERUS 345.00	HESPERUS 345.00-SANJN PS 345.00 CIRCUIT 1	0.06528	1
HILLTOP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.14658	2
HLTP TAP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.14654	2
HOLL TAP 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.10992	1
HOOPER 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.13931	1
HOOPERTP 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.13869	1
HORIZON 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.15317	3
HOYT 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.23373	1
HPCYN 115.00	DANIELPK 115.00-DANIELPK 230.00 CIRCUIT T1	0.07366	1
HUDSON 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.09466	1

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<i>Bus Name</i>	<i>Most Severe Contingency</i>	<i>Worst Case Voltage Deviation (pu)</i>	<i>Count</i>
JACINTO 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.14771	2
JOHNSTN 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.08709	1
JWL CAVE 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.08659	1
KERSEYTP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.07514	1
KIMBALL 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.12209	2
KIMBALLC 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.12209	2
KIOWA CK 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.13178	4
KODAK 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.08503	1
L.MEADOW 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.22058	1
LA SECPA 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08599	2
LAGARITA 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.10686	2
LAJUNTAT 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08163	2
LAJUNTAW 115.00	BOONE 115.00-LAJUNTAW 115.00 CIRCUIT 1	0.07406	1
LAJUNTAW 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08001	2
LARAMIE 115.00	LARAMIE 115.00-SNOWYRNG 115.00 CIRCUIT 1	0.11803	1
LINDEN 115.00	LINDEN 115.00-TIMBERLN 115.00 CIRCUIT 1	0.07254	1
LITTLET1 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.07678	3
LITTLET2 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.07874	2
LOST CK 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.09717	3
LOSTCKTP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.09717	3
LS ANMAS 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08316	2
MANZANOL 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.06655	1
MARTIN 1 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.11089	1
MARTN1TP 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.11083	1
MAY 115.00	LARAMIE 115.00-SNOWYRNG 115.00 CIRCUIT 1	0.10361	1

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<i>Bus Name</i>	<i>Most Severe Contingency</i>			<i>Worst Case Voltage Deviation (pu)</i>	<i>Count</i>
MCFT PR 69.000	OSAGE	69.000-OSAGE	230.00 CIRCUIT 1	0.09080	1
MCGREW 115.00	SIDNEY	115.00-SIDNEY	230.00 CIRCUIT 1	0.07916	1
MEETSETP 115.00	YELLOWBR	230.00-YELLOWTLP	230.00 CIRCUIT 1	0.06584	1
MESSEX 115.00	BEAVERCK	115.00-MESSEX	115.00 CIRCUIT 1	0.07820	1
MONFORT 115.00	GREELEY	115.00-WELD PS	115.00 CIRCUIT 1	0.07878	1
N. CODY 69.000	BUFFBILL	69.000-BUFFBLPP	69.000 CIRCUIT 1	0.07534	1
N.YUMA 115.00	N.YUMA	115.00-N.YUMA	230.00 CIRCUIT 1	0.07991	1
NAHNEJEN 115.00	YELLOWBR	230.00-YELLOWTLP	230.00 CIRCUIT 1	0.07943	1
NCANON 69.000	CANONCTY	69.000-CANONCTY	115.00 CIRCUIT 1	0.48879	2
NCANON W 69.000	CANONCTY	69.000-CANONCTY	115.00 CIRCUIT 1	0.48876	2
NEWCSTLE 69.000	OSAGE	69.000-OSAGE	230.00 CIRCUIT 1	0.31428	1
NUNN 115.00	COBBLKTP	115.00-TIMNATH	115.00 CIRCUIT 1	0.09321	1
OASISTAP 115.00	LARAMIE	115.00-SNOWYRNG	115.00 CIRCUIT 1	0.10346	1
OLD16TAP 69.000	ALMSA ST	69.000-ALMSA TM	69.000 CIRCUIT 1	0.10705	1
ORCHARD 115.00	BEAVERCK	115.00-BRUSHTAP	115.00 CIRCUIT 1	0.13178	4
ORDWAY 69.000	LAJUNTAT	69.000-LAJUNTAT	115.00 CIRCUIT 1	0.06744	1
OSAG CTY 69.000	OSAGE	69.000-OSAGE	230.00 CIRCUIT 1	0.30064	1
OSAGE 69.000	OSAGE	69.000-OSAGE	230.00 CIRCUIT 1	0.30031	1
OWL_CRK 115.00	OWL_CRK	115.00-PONNEQUI	115.00 CIRCUIT 1	0.07601	1
P P MINE 69.000	CANONCTY	69.000-CANONCTY	115.00 CIRCUIT 1	0.34031	4
PADDOCK 69.000	FALCONMV	115.00-FULLER	115.00 CIRCUIT 1	0.13841	1
PAGOSA 115.00	FLOR.RIV	115.00-HESPERUS	115.00 CIRCUIT 1	0.21045	3
PARACHUT 230.00	PARACHUT	230.00-RIFLE PS	230.00 CIRCUIT 1	0.09421	4
PEETZ 115.00	SIDNEY	115.00-SIDNEY	230.00 CIRCUIT 1	0.13741	2
PHILLIPS 69.000	LAJUNTAT	69.000-LAJUNTAT	115.00 CIRCUIT 1	0.08072	2

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PHLPS TP 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.08068	2
PINEBLUF 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.07878	1
POWELLTP 69.000	N. CODY 69.000-RALSTON 69.000 CIRCUIT 1	0.06685	1
PRINGLE 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.10622	1
PROSPEC 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.09663	3
PROSPVAL 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.09757	3
PROWERS 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.12495	1
RALSTON 69.000	N. CODY 69.000-RALSTON 69.000 CIRCUIT 1	0.08266	2
RDGCREST 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.13746	2
REDWILLW 115.00	N.YUMA 115.00-REDWILLW 115.00 CIRCUIT 1	0.09011	2
RINNVALL 115.00	DEL CTAP 115.00-DELCAMIN 115.00 CIRCUIT 1	0.08347	1
RIOGRAND 69.000	RIOGRDTP 69.000-SARGENT 69.000 CIRCUIT 1	0.06596	1
RIOGRDTP 69.000	RIOGRDTP 69.000-SARGENT 69.000 CIRCUIT 1	0.06523	1
RIVERTON 115.00	RIVERTON 115.00-RIVERTON 230.00 CIRCUIT 1	0.08561	1
ROCKPRTP 115.00	OWL_CRK 115.00-PONNEQUI 115.00 CIRCUIT 1	0.07188	1
ROCKYFRD 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.06420	1
ROXBOROU 115.00	ROXBOROU 115.00-WATERTON 115.00 CIRCUIT 1	0.07018	1
S CANON 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.51519	1
S CANONW 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.51434	1
S.CRK TP 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.31408	1
SALT CRK 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.31491	1
SANDCRK 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.39986	1
SANDHILL 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.07802	1
SHENDOAH 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.06504	1
SIDNEY 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.18028	1

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SKINNER 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.52761	1
SPRNGFLD 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.14694	2
STERLING 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.08080	1
SUNSHINE 115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.07563	1
SUNSHTAP 115.00	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	0.07563	1
T BUTTES 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.12200	4
TARRYALL 115.00	TARRYALL 115.00-TARRYALL 230.00 CIRCUIT T1	0.06849	1
UINTAH 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.14419	3
UINTAH 69.000	FRUITA 13.800-FRUITA 69.000 CIRCUIT 1	0.18646	5
UNC 115.00	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	0.07354	1
UPTON TP 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.21636	1
UPTON_C 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.30195	1
VASQUEZ 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.09542	1
VICTOR 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.35225	4
VILAS 115.00	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.14285	1
VILAS 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.14578	2
VINELAND 69.000	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.07088	3
WAGES 115.00	N.YUMA 115.00-REDWILLW 115.00 CIRCUIT 1	0.06750	1
WALSENBG 69.000	WALSENBG 69.000-WALSENBG 115.00 CIRCUIT 1	0.07084	1
WALSH 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.13635	2
WEELERPS 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.09435	4
WHITNEY 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.08504	1
WIGGINS 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.14768	4
WILOW CK 115.00	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.12819	1
WILOW CK 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.12621	1

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<i>Bus Name</i>					
WINDRIVR	115.00	RIVERTON	115.00-WINDRIVT 115.00 CIRCUIT 1	0.08350	2
WINDRIVT	115.00	RIVERTON	115.00-WINDRIVT 115.00 CIRCUIT 1	0.08350	2
WINDSOR	115.00	AIRPORT	115.00-BOYD 115.00 CIRCUIT 1	0.09299	1
WINDSORT	115.00	AIRPORT	115.00-BOYD 115.00 CIRCUIT 1	0.09296	1
WY REFIN	69.000	OSAGE	69.000-OSAGE 230.00 CIRCUIT 1	0.31408	1

*System *DNS* Conditions*

Case Name *18hs1pPTL_CLRTPGr3*

Contingency

HESPERUS 115.00-ROCKWOOD 115.00 CIRCUIT 1

PONCHABR 230.00-SAN LUIS 230.00 CIRCUIT 1

System Loading Report

Case Name	18hs1pPTI_CLRTPGr3		Circuit	Most Severe Contingency	Rating(Max	Count
From Bus	To Bus	MVA)			Percent		
ALLISON	115.00	SODALAKE 115.00	1	BANCROFT 115.00-KENDRICK 115.00 CIRCUIT 1	189	115.9	1
AM EAST	115.00	BAYFIELD 115.00	1	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	128	123.1	1
ARAPAHOB	115.00	ARAPAHOE 230.00	T5	ARAPAHOE 230.00-DAKOTA 230.00 CIRCUIT 1	280	105.3	1
ARAPAHOB	115.00	ENGLE3TP 115.00	1	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	217.3	107.9	1
ARCHER	115.00	ARCHER 230.00	1	ARCHER 115.00-ARCHER 230.00 CIRCUIT 2	167	102.9	1
ARCHER	115.00	ARCHER 230.00	2	ARCHER 115.00-ARCHER 230.00 CIRCUIT 1	167	102.1	1
AREQUGCH	115.00	P P MINE 69.000	1	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	50	185.4	1
AREQUGCH	115.00	W CANON 115.00	1	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	87	105.5	1
ARROWHLK	115.00	ROSEDALE 115.00	1	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	134.8	105.1	1
ARROWHLK	115.00	WELD PS 115.00	1	GREELEY 115.00-WELD PS 115.00 CIRCUIT 1	134.8	119.5	1
B.CK PS	115.00	B.CK PS 230.00	T1	B.CK PS 115.00-BEAVERCK 115.00 CIRCUIT 1	224	101.5	1
B.CK PS	115.00	BRUSH SS 115.00	1	B.CK PS 115.00-BRUSH SS 115.00 CIRCUIT 2	162	142.9	1
B.CK PS	115.00	BRUSH SS 115.00	2	B.CK PS 115.00-BRUSH SS 115.00 CIRCUIT 1	187	123.8	1
BANCROFT	115.00	KENDRICK 115.00	1	ALLISON 115.00-SODALAKE 115.00 CIRCUIT 1	192	116.8	1
BASALT	115.00	HOPKINS 115.00	1	BASALT 115.00-BASALT 230.00 CIRCUIT T2	66.9	153.6	2
BASIN	115.00	NAHNEJEN 115.00	1	YELLOWBR 230.00-YELLOWTLP 230.00 CIRCUIT 1	109	100.1	1
BAYFIELD	115.00	DURANGO 115.00	1	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	232.5	103.8	1
BGEORGE	69.000	GLENDLTP 69.000	1	GARLAND 69.000-LOVELL 69.000 CIRCUIT 1	30	111.9	3
BO TERM	115.00	SUNSHTAP 115.00	1	ELDORADO 115.00-VALMONT 115.00 CIRCUIT 1	108	108.4	1
BO TERM	115.00	VALMONT 115.00	1	BO TERM 115.00-VALMONT 115.00 CIRCUIT 2	135	109.6	1
BO TERM	115.00	VALMONT 115.00	2	BO TERM 115.00-VALMONT 115.00 CIRCUIT 1	135	109.6	1

<i>Case Name</i>	<i>18hs1pPTI_CLRTPGr3</i>				<i>Most Severe Contingency</i>	<i>Rating(MVA)</i>	<i>Max Percent</i>	<i>Count</i>
<i>From Bus</i>		<i>To Bus</i>		<i>Circuit</i>				
BOONE	115.00	DOT TAP	115.00	1	ENGYCNTR 500.00-LECBURSC 500.00 CIRCUIT 1	100	107.4	5
BOONE	115.00	LAJUNTAW	115.00	1	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	40	131.7	2
BOONE	230.00	BOONETS	230.00	1	ENGYCNTR 500.00-LECBURSC 500.00 CIRCUIT 1	612.7	102.5	3
BRIARGAT	115.00	CTTNWD S	115.00	1	CTTNWD N 115.00-KETTLECK 115.00 CIRCUIT 1	150	109.6	1
BRIGHTNW	115.00	SANDCRK	115.00	1	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	220	104.9	1
BROMFLD2	115.00	FEDERHT2	115.00	1	CHEROKEE 115.00-FEDERHT2 115.00 CIRCUIT 2	134.8	111.5	1
BRUSHTAP	115.00	EFMORGTP	115.00	1	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	160	100.9	1
CANONCTY	69.000	CANONCTY	115.00	1	AREQUGCH 115.00-W CANON 115.00 CIRCUIT 1	56	114.6	2
CANONCTY	69.000	NCANON W	69.000	1	AREQUGCH 115.00-W CANON 115.00 CIRCUIT 1	32	147.6	2
CHEROKEE	115.00	FEDERHT2	115.00	2	LOUISVIL 115.00-VALMONT 115.00 CIRCUIT 1	186	107.2	4
CHEROKEE	115.00	TODD CRE	115.00	1	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	134.8	105.2	1
CHMBERS	115.00	CHMBERS	230.00	1	BARRLAKE 230.00-REUNION 230.00 CIRCUIT 1	280	100.7	1
COBBLKTP	115.00	TIMNATH	115.00	1	OWL_CRK 115.00-PONNEQUI 115.00 CIRCUIT 1	109	119.5	2
COLBRAN	115.00	COLBRAN	138.00	T2	SYSTEM NORMAL	14	91.1	1
COMANCHE	115.00	READER	115.00	1	COMANCHE 115.00-READER 115.00 CIRCUIT 2	180	117.1	1
COMANCHE	115.00	READER	115.00	2	COMANCHE 115.00-READER 115.00 CIRCUIT 1	180	117.1	1
CTTNWD N	115.00	KETTLECK	115.00	1	BRIARGAT 115.00-CTTNWD S 115.00 CIRCUIT 1	106	165.2	19
CURECANT	115.00	SOCANAL	115.00	1	CURECANT 230.00-LOSTCANY 230.00 CIRCUIT 1	120	112.6	3
DANIELPK	115.00	DANIELPK	230.00	T1	BAYOU 115.00-PARKERPS 115.00 CIRCUIT 1	150	116.7	7
DAVEJOHN	115.00	DAVEJTPS	115.00	1	DAVEJOHN 115.00-DAVEJTPN 115.00 CIRCUIT 1	109	108.7	1
DEL CTAP	115.00	DELCAMIN	115.00	1	BEAVERCK 230.00-ERIE SW 230.00 CIRCUIT 1	130	103.6	2
DRAKE E	115.00	FONTERO	115.00	1	CTTNWD N 230.00-FULLER 230.00 CIRCUIT 1	129	109.8	8
DURANGO	115.00	HESPERUS	115.00	1	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	85	161	3
ELDORADO	115.00	PLAINVW	115.00	1	BO TERM 115.00-SUNSHTAP 115.00 CIRCUIT 1	17.4	122.8	1732

<i>Case Name</i>	<i>18hs1pPTI_CLRTPGr3</i>				<i>Rating(MVA)</i>	<i>Max Percent</i>	<i>Count</i>			
<i>From Bus</i>		<i>To Bus</i>	<i>Circuit</i>	<i>Most Severe Contingency</i>						
ELDORADO	115.00	VALMONT	115.00	1	BO TERM	115.00-SUNSHTAP	115.00 CIRCUIT 1	109	111.5	1
ENGLE3TP	115.00	LITTLET1	115.00	1	MARTN1TP	115.00-WATERTON	115.00 CIRCUIT 1	134.8	131.7	2
FEDERHT1	115.00	SEMPER	115.00	1	CHEROKEE	115.00-FEDERHT2	115.00 CIRCUIT 2	134.8	102.9	1
FLAMGORG	138.00	FLAMGORG	230.00	1	FLAMGORG	138.00-FLAMGORG	230.00 CIRCUIT 2	100	106.9	1
FLAMGORG	69.000	FLAMGORG	138.00	1	FLAMGORG	69.000-MANILA	69.000 CIRCUIT 1	19	124.2	6
FLOR.RIV	115.00	HESPERUS	115.00	1	BAYFIELD	115.00-DURANGO	115.00 CIRCUIT 1	128	158.7	1
FTLUPTON	115.00	FTLUPTON	230.00	T3	SPNDLE	230.00-VALMONT	230.00 CIRCUIT 1	280	100.1	2
GRANDJCT	69.000	GRANDJCT	115.00	T1	PARACHUT	230.00-RIFLE PS	230.00 CIRCUIT 1	42	109.9	1
GRNDVIEW	115.00	PARKERPS	115.00	1	PEAKVIEW	115.00-SMOKYHIL	115.00 CIRCUIT 1	186.6	122	1
HESPERUS	115.00	ROCKWOOD		1	NORWOOD	115.00-SUNSH SM	115.00 CIRCUIT 1	95	111.8	2
HOPKINS	115.00	HOPKINS	230.00	T3	BASALT	115.00-BASALT	230.00 CIRCUIT T2	100	112.8	1
HOYT	115.00	SANDCRK	115.00	1	BRIGHTNW	115.00-ERIE SW	115.00 CIRCUIT 1	220	104.7	1
KELKER E	115.00	KELKER S	230.00	1	KELKER N	230.00-KELKER W	115.00 CIRCUIT 1	318	104.4	1
KELKER N	230.00	KELKER W	115.00	1	KELKER E	115.00-KELKER S	230.00 CIRCUIT 1	293	113.4	1
KELKER S	230.00	RD_NIXON	230.00	1	KELKER N	230.00-RD_NIXON	230.00 CIRCUIT 1	317	111.8	1
KELKER W	115.00	ROCKISLD	115.00	1	KELKER E	115.00-TEMPLTON	115.00 CIRCUIT 1	159	102.7	1
KIOWA CK	115.00	WIGGINS	115.00	1	BRIGHTNW	115.00-ERIE SW	115.00 CIRCUIT 1	60	164.8	4
LAFAYETT	115.00	VALMONT	115.00	1	FTLUPTON	115.00-FTLUPTON	230.00 CIRCUIT T3	135	119.3	2
LAGARITA	69.000	PLAZA	69.000	1	HOOPERTP	69.000-SANLSVLY	69.000 CIRCUIT 1	26.1	118	1
LAJUNTAT	69.000	LAJUNTAT	115.00	1	BOONE	115.00-LAJUNTAW	115.00 CIRCUIT 1	42	129.4	3
LAJUNTAW	69.000	LAJUNTAW	115.00	1	LAJUNTAT	69.000-LAJUNTAT	115.00 CIRCUIT 1	25	107.9	1
LAJUNTAW	69.000	LAJUNTAW	115.00	2	LAJUNTAT	69.000-LAJUNTAT	115.00 CIRCUIT 1	25	107.9	1
LAPORTAP	115.00	POUDRE	115.00	1	LINDEN	115.00-TIMBERLN	115.00 CIRCUIT 1	120	151.6	4
LOVELL	115.00	NAHNEJEN	115.00	1	YELLOWBR	230.00-YELLOWTLP	230.00 CIRCUIT 1	109	116.7	1

<i>Case Name</i>	<i>18hs1pPTI_CLRTPGr3</i>							<i>Rating(</i>	<i>Max</i>		
<i>From Bus</i>		<i>To Bus</i>		<i>Circuit</i>	<i>Most Severe Contingency</i>			<i>MVA)</i>	<i>Percent</i>	<i>Count</i>	
MARTN1TP	115.00	WATERTON	115.00	1	ARAPAHOB	115.00-ENGLE3TP	115.00	CIRCUIT 1	217	107.8	1
MIDWAYBR	115.00	MIDWAYBR	230.00	1	MIDWAYBR	230.00-RD_NIXON	230.00	CIRCUIT 1	100	102.3	2
MONTROSE	115.00	SOCANAL	115.00	1	CURECANT	230.00-LOSTCANY	230.00	CIRCUIT 1	120	111.2	3
MONUMENT	115.00	PALMER	115.00	1	MIDWAYPS	345.00-WATERTON	345.00	CIRCUIT 1	134.8	106.7	4
NCANON W	69.000	VICTOR	69.000	1	CANONCTY	69.000-CANONCTY	115.00	CIRCUIT 1	24	161.3	3
P P MINE	69.000	VICTOR	69.000	1	CANONCTY	69.000-CANONCTY	115.00	CIRCUIT 1	32	135.7	3
PARKERPS	115.00	SULPHUR	115.00	1	PARKERPS	115.00-SULPHUR	115.00	CIRCUIT 2	180	112.1	1
PARKERPS	115.00	SULPHUR	115.00	2	PARKERPS	115.00-SULPHUR	115.00	CIRCUIT 1	180	112.1	1
PEAKVIEW	115.00	SMOKYHIL	115.00	1	GRNDVIEW	115.00-PARKERPS	115.00	CIRCUIT 1	186.6	120.9	3
PORTLAND	115.00	W.STATON	115.00	1	W CANON	115.00-W CANON	230.00	CIRCUIT 1	80	109.3	2
PORTLAND	69.000	PORTLAND	115.00	2	PORTLAND	69.000-PORTLAND	115.00	CIRCUIT 1	25	117.7	1
POUDRE	115.00	RICHRDTP	115.00	1	LINDEN	115.00-TIMBERLN	115.00	CIRCUIT 1	120	145.8	1
READER	69.000	READER	115.00	1	READER	69.000-READER	115.00	CIRCUIT 2	42	116.2	1
READER	69.000	READER	115.00	2	READER	69.000-READER	115.00	CIRCUIT 1	42	117.3	1
RIFLE CU	69.000	RIFLE CU	138.00	T2	PARACHUT	230.00-RIFLE PS	230.00	CIRCUIT 1	25	113.1	9
ROXBOROU	115.00	WATERTON	115.00	1	CASTLRCK	115.00-WOLFSBTP	115.00	CIRCUIT 1	134.8	104.4	1
SIDNEY	115.00	SIDNEY	230.00	1	N.YUMA	230.00-SPRNGCAN	230.00	CIRCUIT 1	167	113.9	10
STEGALL	115.00	STEGALL	230.00	1	STEGALL	115.00-STEGALL	230.00	CIRCUIT 2	100	113.6	1
SULPHUR	115.00	SULPHUR	230.00	T1	PEAKVIEW	115.00-SMOKYHIL	115.00	CIRCUIT 1	168	103	1
SULPHUR	115.00	SULPHUR	230.00	T2	PEAKVIEW	115.00-SMOKYHIL	115.00	CIRCUIT 1	168	103	1
W CANON	115.00	W CANON	230.00	1	PORTLAND	115.00-W.STATON	115.00	CIRCUIT 1	100	100.2	1
WELD	46.000	WELD PS	115.00	T2	AIRPORT	115.00-BOYD	115.00	CIRCUIT 1	46.7	106.1	1732
WELD LM	115.00	WELD LM	230.00	1	WELD PS	115.00-WELD PS	230.00	CIRCUIT T1	150	117.4	3
WILOW CK	69.000	WILOW CK	115.00	1	WILOW CK	69.000-WILOW CK	115.00	CIRCUIT 2	42	109.9	1

<i>Case Name</i>	<i>18hs1pPTI_CLRTPGr3</i>			<i>Most Severe Contingency</i>	<i>Rating(MVA)</i>	<i>Max Percent</i>	<i>Count</i>
<i>From Bus</i>		<i>To Bus</i>	<i>Circuit</i>				
WILOW CK 69.000		WILOW CK 115.00	2	WILOW CK 69.000-WILOW CK 115.00 CIRCUIT 1	42	109.9	1

System Voltage Report

Case Name 18hs1pPTI_CLRTPGr3

Bus Name	Most Severe Contingency	Worst Case Voltage	Angle	Count
88 OIL 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.71789	54.0814	1
ADENA 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.85711	53.1221	1
ADOBE 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.809	23.057	4
AIRPORT 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.90288	32.67	1
ALMSA ST 69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.90266	53.3989	1
ALVIN 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.89741	45.3897	1
AM EAST 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.70314	-2.013	2
ANGOSTUR 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.87888	51.9061	1
AREQUGCH 115.00	AREQUGCH 115.00-W CANON 115.00 CIRCUIT 1	0.75849	31.7925	2
ARGYLE 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.90448	54.7714	1
AULT 115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.88332	36.4198	1
BARLOW 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82479	31.7221	2
BASALT 230.00	SYSTEM NORMAL	1.0474	45.2718	1
BAYFIELD 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.8148	9.7403	2
BENCH 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.87854	28.0129	4
BENTON 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.7165	53.7051	1
BETHELLM 115.00	SYSTEM NORMAL	0.95471	52.3791	1
BIJOUTAP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.83625	34.0419	4
BLKHLWTP 115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.86818	35.1656	1
BOONE 500.00	ENGYCNTR 22.000-ENGYCNTR 500.00 CIRCUIT 1	1.09695	21.3453	2
BRIDGEPT 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.89589	49.8981	1

Case Name 18hs1pPTI_CLRTPGr3

<i>Bus Name</i>	<i>Most Severe Contingency</i>	<i>Worst Case Voltage</i>	<i>Angle</i>	<i>Count</i>
BRIGHTNW 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.36145	9.5707	1
BRUSHTAP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82045	31.0321	1
BURLNGTN 500.00	ENGYCNTR 22.000-ENGYCNTR 500.00 CIRCUIT 1	1.10577	22.9212	2
BUSHNELL 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.90302	43.7507	1
BUSHNLTP 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.90318	43.7687	1
CAMEO 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.86074	32.7596	4
CANONCTY 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.50602	13.5277	1
CARYTS 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.90298	32.6683	1
CENTER 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.84952	48.4976	2
CHENEY 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.90502	43.8467	2
CLIFTON 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.80439	21.0099	2
COBBLAKE 115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.85993	34.4488	1
COBBLKTP 115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.86001	34.4662	1
CRETESWT 115.00	SANDHILL 115.00-WRAY 115.00 CIRCUIT 1	0.89747	45.3887	1
CRPLE CK 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.65948	23.9834	3
CSOC 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.86434	33.5961	1
CTY LAM 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.87918	38.2412	1
DACONO 115.00	DEL CTAP 115.00-DELCAMIN 115.00 CIRCUIT 1	0.90469	37.3585	1
DALTON 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.86431	45.6451	1
DELCAMIN 115.00	DEL CTAP 115.00-DELCAMIN 115.00 CIRCUIT 1	0.88926	35.7963	1
DILLON 115.00	DILLON 115.00-DILLON 230.00 CIRCUIT T2	1.11944	40.5485	1
E_DORADO 230.00	SYSTEM NORMAL	0.95115	44.1546	1
EADS 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.86428	37.1374	1
EDGEMONT 69.000	ANGOSTUR 69.000-WESTHILL 69.000 CIRCUIT 1	0.8881	53.0554	1

Case Name 18hs1pPTI_CLRTPGr3

Bus Name	Most Severe Contingency	Worst Case Voltage	Angle	Count
EFMORGTP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82483	31.7242	2
ENGLE3TP 115.00	ARAPAHOB 115.00-ENGLE3TP 115.00 CIRCUIT 1	0.8908	25.65	1
ENGLEWD3 115.00	ARAPAHOB 115.00-ENGLE3TP 115.00 CIRCUIT 1	0.8894	25.5654	1
ENGYCNTR 500.00	ENGYCNTR 22.000-ENGYCNTR 500.00 CIRCUIT 1	1.10339	22.9435	2
EXCEL 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82684	32.0381	3
FALCONMV 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.84838	32.0994	1
FALCONMV 69.000	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.8579	30.1632	1
FLEMING 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.89082	45.4848	1
FLOR.RIV 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.68926	-4.0499	1
FME 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82603	31.9947	3
FMN 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82482	31.7227	2
FMS 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82687	32.0455	3
FMWEST 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.82691	32.0542	3
FONTNLE 69.000	SYSTEM NORMAL	1.05072	53.3605	1
FORESTLK 115.00	EMIL AND 115.00-FORESTLK 115.00 CIRCUIT 1	1.10888	35.3818	1
FRENCHCK 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.90337	47.2807	2
FRUITA 69.000	FRUITA 13.800-FRUITA 69.000 CIRCUIT 1	0.79694	20.3823	4
FT HOLLY 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.88686	40.3507	1
FT. LYON 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.89587	40.9495	1
FTGARLND 69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.85103	51.2342	1
GALIEN 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.88777	45.0146	1
GATEWYTS 115.00	AIRPORT 115.00-BOYD 115.00 CIRCUIT 1	0.90298	32.6683	1
GEESEN 115.00	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.86426	33.5976	1
GILCREST 115.00	FTLUPTON 115.00-FTLUPTON 230.00 CIRCUIT T3	0.90394	24.8664	1

Case Name 18hs1pPTI_CLRTPGr3

<i>Bus Name</i>	<i>Most Severe Contingency</i>	<i>Worst Case Voltage</i>	<i>Angle</i>	<i>Count</i>
GRAN TAP 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.88636	40.0538	1
GRANADA 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.8853	39.9017	1
GRANDJCT 230.00	GRANDJCT 230.00-GRANDJCT 345.00 CIRCUIT 1	0.80703	21.0848	1
GRANDJPS 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.80436	21.0566	3
GREENWOD 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.88051	47.9659	1
HAXTUN 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.89436	46.0488	2
HILLTOP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.87315	37.2846	2
HLTP TAP 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.8734	37.303	2
HOLL TAP 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.88965	40.7572	1
HOOPER 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.84434	48.1465	1
HOOPERTP 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.84866	48.439	1
HORIZON 230.00	CLIFTON 230.00-GRANDJCT 230.00 CIRCUIT 1	0.80508	21.828	3
HOYT 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.75206	49.4336	1
JACINTO 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.87002	43.0096	1
KIMBALL 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.88939	43.266	1
KIMBALLC 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.88939	43.266	1
KIOWA CK 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.8558	37.424	4
L.MEADOW 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.76516	49.1701	1
LA SECPA 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.88365	40.9715	2
LAGARITA 69.000	HOOPERTP 69.000-SANLSVLY 69.000 CIRCUIT 1	0.88027	50.4576	1
LAJUNTAW 115.00	BOONE 115.00-LAJUNTAW 115.00 CIRCUIT 1	0.88406	44.6915	2
LARAMIE 115.00	LARAMIE 115.00-SNOWYRNG 115.00 CIRCUIT 1	0.87582	50.1638	1
LECBURSC 500.00	ENGYCNTR 22.000-ENGYCNTR 500.00 CIRCUIT 1	1.10157	22.8949	2
LITTLET2 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.90483	23.4213	1

Case Name 18hs1pPTI_CLRTPGr3

<i>Bus Name</i>	<i>Most Severe Contingency</i>	<i>Worst Case Voltage</i>	<i>Angle</i>	<i>Count</i>
LOST CK 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.89229	38.3147	1
LOSTCKTP 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.89229	38.3152	1
LS ANMAS 69.000	LAJUNTAT 69.000-LAJUNTAT 115.00 CIRCUIT 1	0.89837	41.1152	1
MARTIN 1 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.90428	22.1915	1
MARTN1TP 115.00	MARTN1TP 115.00-WATERTON 115.00 CIRCUIT 1	0.90483	22.389	1
MAY 115.00	LARAMIE 115.00-SNOWYRNG 115.00 CIRCUIT 1	0.88796	51.482	1
NCANON 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.52016	14.6805	2
NCANON W 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.52022	14.6901	2
NEWCASTLE 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.67938	50.4325	1
NUNN 115.00	COBBLKTP 115.00-TIMNATH 115.00 CIRCUIT 1	0.89841	38.4106	1
OASISTAP 115.00	LARAMIE 115.00-SNOWYRNG 115.00 CIRCUIT 1	0.88911	51.6195	1
OLD16TAP 69.000	ALMSA ST 69.000-ALMSA TM 69.000 CIRCUIT 1	0.90125	53.3398	1
ORCHARD 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.85579	37.4226	4
OSAG CTY 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.72005	54.2105	1
OSAGE 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.72091	54.344	1
P P MINE 69.000	CANONCTY 69.000-CANONCTY 115.00 CIRCUIT 1	0.66484	24.8069	3
PADDOCK 69.000	FALCONMV 115.00-FULLER 115.00 CIRCUIT 1	0.84737	29.0769	1
PAGOSA 115.00	FLOR.RIV 115.00-HESPERUS 115.00 CIRCUIT 1	0.79908	3.0848	2
PARACHUT 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.88195	28.3688	4
PEETZ 115.00	SIDNEY 115.00-SIDNEY 230.00 CIRCUIT 1	0.87045	44.3283	1
PROSPEC 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.89699	38.6039	1
PROSPVAL 115.00	BEAVERCK 115.00-BRUSHTAP 115.00 CIRCUIT 1	0.88859	38.0986	1
PROWERS 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.87484	37.884	1
RALSTON 69.000	N. CODY 69.000-RALSTON 69.000 CIRCUIT 1	0.90034	58.7431	1

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<i>Bus Name</i>	<i>Most Severe Contingency</i>		<i>Worst Case Voltage</i>	<i>Angle</i>	<i>Count</i>
RDGCREST 115.00	SIDNEY	115.00-SIDNEY 230.00 CIRCUIT 1	0.8707	44.3415	1
REDWILLW 115.00	N.YUMA	115.00-REDWILLW 115.00 CIRCUIT 1	0.89395	46.6175	1
RINNVALL 115.00	DEL CTAP	115.00-DELCAMIN 115.00 CIRCUIT 1	0.89592	36.4804	1
S CANON 69.000	CANONCTY	69.000-CANONCTY 115.00 CIRCUIT 1	0.49107	11.5051	1
S CANONW 69.000	CANONCTY	69.000-CANONCTY 115.00 CIRCUIT 1	0.49325	11.8136	1
S.CRK TP 69.000	OSAGE	69.000-OSAGE 230.00 CIRCUIT 1	0.68002	50.4955	1
SALT CRK 69.000	OSAGE	69.000-OSAGE 230.00 CIRCUIT 1	0.67745	50.3227	1
SANDCRK 115.00	BRIGHTNW	115.00-ERIE SW 115.00 CIRCUIT 1	0.57442	40.353	1
SANDHILL 115.00	SANDHILL	115.00-WRAY 115.00 CIRCUIT 1	0.88885	44.4916	1
SIDNEY 115.00	SIDNEY	115.00-SIDNEY 230.00 CIRCUIT 1	0.85622	43.9392	1
SIDNEY 230.00		SYSTEM NORMAL	1.04472	61.6313	1
SIDNEYDC 230.00		SYSTEM NORMAL	1.045	61.6627	1
SKINNER 69.000	CANONCTY	69.000-CANONCTY 115.00 CIRCUIT 1	0.46032	8.616	1
SPRNGFLD 69.000	LAMAR CO	115.00-VILAS 115.00 CIRCUIT 1	0.87073	37.0861	2
STERLING 115.00	SIDNEY	115.00-SIDNEY 230.00 CIRCUIT 1	0.88667	44.8108	1
SUMTAP2 115.00	DILLON	115.00-DILLON 230.00 CIRCUIT T2	1.10232	41.2142	1
T BUTTES 69.000	LAMAR CO	115.00-VILAS 115.00 CIRCUIT 1	0.89068	40.4187	2
UINTAH 230.00	CLIFTON	230.00-GRANDJCT 230.00 CIRCUIT 1	0.81398	24.3916	4
UINTAH 69.000	FRUITA	13.800-FRUITA 69.000 CIRCUIT 1	0.80316	20.536	5
UPTON TP 69.000	OSAGE	69.000-OSAGE 230.00 CIRCUIT 1	0.79681	62.7114	1
UPTON_C 69.000	OSAGE	69.000-OSAGE 230.00 CIRCUIT 1	0.71632	53.6884	1
VERNONLM 115.00	N.YUMA	115.00-N.YUMA 230.00 CIRCUIT 1	0.90346	49.236	2
VICTOR 69.000	CANONCTY	69.000-CANONCTY 115.00 CIRCUIT 1	0.65223	24.2394	3
VILAS 115.00	LAMAR CO	115.00-VILAS 115.00 CIRCUIT 1	0.87839	37.7149	1

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<i>Bus Name</i>	<i>Most Severe Contingency</i>	<i>Worst Case Voltage</i>	<i>Angle</i>	<i>Count</i>
VILAS 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.87839	37.7149	2
WAGES 115.00	N.YUMA 115.00-REDWILLW 115.00 CIRCUIT 1	0.89718	47.0134	1
WALSH 69.000	LAMAR CO 115.00-VILAS 115.00 CIRCUIT 1	0.88854	38.4873	2
WAUNETA 115.00	SYSTEM NORMAL	0.9549	51.2906	1
WEELERPS 230.00	PARACHUT 230.00-RIFLE PS 230.00 CIRCUIT 1	0.88085	28.249	4
WIGGINS 115.00	BRIGHTNW 115.00-ERIE SW 115.00 CIRCUIT 1	0.83714	45.603	3
WILOW CK 115.00	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.86134	39.8239	1
WILOW CK 69.000	LAMAR CO 115.00-WILOW CK 115.00 CIRCUIT 1	0.88103	38.4649	1
WY REFIN 69.000	OSAGE 69.000-OSAGE 230.00 CIRCUIT 1	0.68002	50.4955	1