

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E_PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst10l_00.sav	pst10l_05.sav	pst10l_10.sav	pst10l_15.sav	pst10l_20.sav
APT TAP2	115.00-APT MEM 115.00 #1 1	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.65					
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	497.02	497.02	Amps						100.19
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.76					
APT TAP2	115.00-DOT TAP 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	497.02	497.02	Amps						100.19
AUSTIN_N	115.00-DYER 115.00 #1 1	Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63	100.13	100.38	100.95		
BELEN_PG	115.00-BERNARDO 115.00 #1 1	Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	392.1	392.1	Amps		118.37	122.22	126.55	130.54	
BERNARDO	115.00-SOCORROP 115.00 #1 1	Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	392.1	392.1	Amps		112.68	116.53	120.84	124.84	
BIGGS	115.00-NEWMAN 115.00 #1 1	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27	102.29	102.49	102.81	102.47	101.91
COPPERVR	345.00-COPPERVR 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45	106.22	106.33	106.52	106.45	106.57
		Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	129.51	130.91	132.36	134.45	139.02
		Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38				101.01	105.73
		Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.3	128.94	130.33	131.77	133.87	138.43
		Open Line MORENCI 230.00-PD-MORNC 230.00 #1	51	200	224	MVA	100.59	100.49	100.53	100.61	100.58	100.64
DANIELPK	345.00-DANIELPK 230.00 #1 0	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	560	560	MVA		101.04	101.04	101.19	101.04	101.57
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	560	560	MVA		101.04	101.04	101.19	101.04	101.57
DOT TAP	115.00-BOONE 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	497.02	497.02	Amps						102.76
EAST_TAP	115.00-LAWRNCET 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	798.25	Amps		101.12	101.6	102.04	101.93	102.22
EL_BUTTE	115.00-PICACHO 115.00 #1 1	Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	200.82	200.82	Amps		107.18	110.87	115.04	118.84	
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.03	120.44	124.78	129.75	134.51	138.98
FLAGSTAF	345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.81	118.28	122.54	127.43	132.1	136.48
FLAGSTAF	345.00-PINPKBRB 345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.97	Amps	102.32		102.94	107.05	110.97	114.66
FLAGSTAF	345.00-PINPKBRB 345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.8	118.27	122.53	127.42	132.1	136.48
FOURC1AA	100.00-FOURCORN 500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116	118.35	111.46	103.66		
FOURCORN	345.00-FOURC1AA 100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.47	118.87	111.96	104.14		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	104.38	105.39	106.58	107.68	110.84
		Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.2	104.26	105.29	106.51	107.64	110.82
		Open Line B.SANDY 500.00-BOONE 500.00 #1	377	280	280	MVA		104.17	105.37	106.8	108.15	111.54
		Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	106.41	107.48	108.74	109.9	113.15
		Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.26	107.21	108.28	109.54	110.7	113.96
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	280	280	MVA		104.12	105.29	106.68	108.06	111.58
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	104.03	105.08	106.33	107.48	110.7
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	104.03	105.08	106.33	107.48	110.7
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.72	104.73	105.76	106.99	108.11	111.3
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	104.73	105.76	106.98	108.11	111.3
		Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	104.33	105.33	106.52	107.62	110.77
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	108.51	109.8	111.32	112.74	116.3
		Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.67	104.69	105.76	107.04	108.22	111.47
		Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	104.06	105.12	106.37	107.53	110.75
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	108.48	109.69	111.12	112.45	115.91
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	106.35	107.41	108.67	109.84	113.09
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	104.55	105.55	106.73	107.82	110.96
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.84	105.27	106.26	107.44	108.52	111.67
		Open Line DANIELPK 230.00-BRICKCTR 230.00 #1	240	280	280	MVA						110.5
		Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.46	104.48	105.49	106.68	107.78	110.93
		Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	280	280	MVA					107.36	
		Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	104.32	105.39	106.66	107.84	111.08
		Open Line EGYCNR 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22	104.24	105.33	106.64	107.83	111.13
Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	112.7	113.91	115.36	116.69	120.21		
Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	116.75	118.05	119.59	121.02	124.71		
Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93							
Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.97	112.15	113.44	114.98	116.4	120.02		
Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	106.29	107.56	109.05	110.45	113.87		
Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	104.96	106.01	107.26	108.41	111.64		
Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.7	104.72	105.77	107.01	108.15	111.37		

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							pre10hs17.sav	pst101_00.sav	pst101_05.sav	pst101_10.sav	pst101_15.sav	pst101_20.sav
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	105.44	106.5	107.76	108.93	112.17
		Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	104.41	105.49	106.76	107.95	111.19
		Open Line GREENWD 230.00-MONACO12 230.00 #1	256	280	280	MVA	103.42	104.42	105.42	106.61	107.71	110.86
		Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	104.03	105.06	106.28	107.41	110.6
		Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	280	280	MVA	103.27	104.28	105.28	106.47	107.56	110.72
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	103.89	104.89	106.09	107.51	108.82	112.21
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	105.72	106.71	107.9	109.32	110.64	114.06
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	104.89	106.09	107.51	108.82	112.21
		Open Line MEADOWHIL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	104.05	105.09	106.32	107.45	110.65
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	104.06	105.11	106.36	107.51	110.73
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA		103.99	105.01	106.21	107.32	
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	104.66	105.64	106.79	107.86	110.97
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	109.12	110.32	111.73	113.05	116.49
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	106.44	107.57	108.9	110.13	113.43
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	106.44	107.57	108.9	110.13	113.43
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	280	280	MVA		105.02	105.02	106.8	108.47	112.08
		Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	104.27	105.3	106.51	107.63	110.8
		Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	104.25	105.28	106.49	107.62	110.79
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	111.3	112.52	113.96	115.29	118.79
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06	104.05	105.07	106.3	107.43	110.62
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	106.81	107.87	109.14	110.3	113.55
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	104.58	105.63	106.87	108.01	111.23
		Open Line SKYRANCT 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	104.91	105.96	107.21	108.36	111.59
		Open Line SKYRANCT 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	104.91	105.97	107.21	108.37	111.59
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	103.66	104.68	105.73	106.97	108.12	111.34
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	104.7	105.75	106.99	108.14	111.36
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91					
		Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	103.96	104.98	106.2	107.32	110.5
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	103.7	104.71	105.76	107	108.15	111.37
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	108.36	109.32	110.52	111.93	113.25	116.69
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	280	280	MVA	107.55	108.54	109.89	111.5	112.99	116.62
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	118.49	119.86	121.49	123	126.73
		Open Line WASHINGTON 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	116.05	117.35	118.89	120.31	124
		Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	104.7	105.72	106.92	108.04	111.22
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	103.98	105.01	106.22	107.35	110.52
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92		104.97	106.19	107.32	110.49
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92		104.97	106.19	107.32	110.49
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	106.93	107.97	109.2	110.33	113.56
Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.3	105.37	106.41	107.63	108.76	111.97		
Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.29	105.36	106.4	107.62	108.75	111.96		
Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.12	104.15	105.18	106.39	107.51	110.68		
Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.12	104.15	105.18	106.39	107.51	110.68		
Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.12	104.15	105.18	106.39	107.51	110.68		
Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	104.75	105.77	106.97	108.08	111.26		
Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.02	104.04	105.07	106.29	107.42	110.61		
Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	105.38	106.39	107.58	108.67	111.85		
Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	104.5	105.48	106.64	107.71	110.82		
Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	104.03	105.07	106.3	107.44	110.63		
Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	104.03	105.07	106.3	107.44	110.63		
Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	104.03	105.07	106.3	107.44	110.63		
Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.25	104.29	105.31	106.52	107.64	110.81		
Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.26	104.3	105.32	106.53	107.65	110.82		
Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	104.2	105.22	106.43	107.55	110.72		
Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.82	106.88	107.93	109.17	110.31	113.53		

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	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

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							pre10hs17.sav	pst101_00.sav	pst101_05.sav	pst101_10.sav	pst101_15.sav	pst101_20.sav
	FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.82	106.88	107.93	109.17	110.31	113.53
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	104.6	105.58	106.73	107.8	110.9
	GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps				110.46	126.94	156.33
		Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps					109.14	130.2
		Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	599.94	599.94	Amps					100.97	123.26
		Open Line CF&FURN 230.00-COMANCHE 230.00 #1	145	599.94	599.94	Amps					102.81	125.14
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	599.94	599.94	Amps					104.03	124.16
		Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	599.94	599.94	Amps			111.58		131.58	164.71
		Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	599.94	599.94	Amps					101.64	124.41
		Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	599.94	599.94	Amps					101.66	124.46
		Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	599.94	599.94	Amps					102.67	
		Open Line FOURCORN 500.00-FCW 500.00 #1	66	599.94	599.94	Amps					100.24	
		Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	599.94	599.94	Amps					101.52	121.79
		Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	599.94	599.94	Amps					101.77	123.74
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	599.94	599.94	Amps					104.4	124.54
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps		120.44	154.99	195.3		
		Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	599.94	599.94	Amps				111.96	132.67	165.71
		Open Line HIDALGO 345.00-GREENLEE 345.00 #1	99	599.94	599.94	Amps						120.55
		Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	599.94	599.94	Amps					101.21	123.96
		Open Line OJO 345.00-TAOS 345.00 #1	92	599.94	599.94	Amps					107.2	125.38
		Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	599.94	599.94	Amps					101.04	123.71
		Open Line SAN_JUAN 345.00-OJO 345.00 #1	358	599.94	599.94	Amps			106.36	118.66	128.85	145.63
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	599.94	599.94	Amps					104.28	127.22
		Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	599.94	599.94	Amps						120.81
		Open Line SPRINGR 500.00-SES 500.00 #1	383	599.94	599.94	Amps					100.28	120.83
		Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	599.94	599.94	Amps					102.13	125.46
		Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps					107.49	131.77
		Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	599.94	599.94	Amps					115.3	138.39
	GLADSTON 230.00-GLADSTON 115.00 #1 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	200	200	MVA						105.99
	GLADSTON 230.00-GLADSTON 115.00 #2 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	200	200	MVA						105.99
	GLENCANY 345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1999.97	Amps	103.13	100.12	103.79	107.98	112.01	115.78
	GLENCANY 345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86		102.51	106.65	110.63	114.35
	GLENCANY 345.00-FLAGSTAF 345.00 #2 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1680.17	Amps	122.54	118.95	123.32	128.31	133.11	137.59
	GLENCANY 345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.68		102.32	106.46	110.45	114.17
	GR 115.00-VISTA # 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	153.56	154.07	154.74	154.45	152.4
	GREEN-AE 345.00-GREEN-AE 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	108.62	108.75	108.96	108.88	109.01
		Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	149.81	151.44	153.12	155.58	160.93
		Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	149.47	151.1	152.79	155.25	160.61
		Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.75			100.19	103.27	109.07
		Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	125.98	127.65	129.4	131.9	137.36
		Open Line RED TAIL 230.00-DOSCONDO 230.00 #1	55	150	193	MVA						100.01
	JLGREEN 230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps						101.93
		Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps					101.29	104.4
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps					100.95	104.39
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps						101.75
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100.01	101.52	103.75	106.47	108.94	112.41
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	1242.56	1242.56	Amps						100.84
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps			101.11	103.82	106.29	109.75
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps					100.05	103.15
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	1242.56	1242.56	Amps						101.12
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps					101.47	104.87
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps					101.73	104.94
	LAMAR CO 230.00-LAMAR CO 115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.06	106.06	107.15	108.2	108.61	111.34
		Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	100	100	MVA	112.15					

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E_PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst101_00.sav	pst101_05.sav	pst101_10.sav	pst101_15.sav	pst101_20.sav
LAMAR CO	230.00-LAMAR CO 115.00 #1 0	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.81	121.1	121.79	122.42	122.27	124.99
		Open Line B.SANDY 500.00-BOONE 500.00 #1	377	100	100	MVA	107.37	107.37	109.19	111.21	112.72	116.54
		Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.95	115.6	117.03	118.65	119.46	123.28
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	100	100	MVA	108.95	108.95	110.8	112.66	114.51	118.5
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.3					
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.71	121.69	122.4	123.12	122.99	125.96
		Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.11	108.63	109.69	110.85	111.2	114.05
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.36	111.16	111.78	112.33	112.12	114.25
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.72	109.59	110.78	112.14	112.52	115.91
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	100	100	MVA	106.18	106.18				
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.42	122.47	124.81	127.52	129.42	134.29
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.07	111.65	112.28	112.83	112.63	115.05
		Open Line FTLUPTON 230.00-PAWNEE 230.00 #1	247	100	100	MVA						111.03
		Open Line FTLUPTON 230.00-PAWNEE 230.00 #2	248	100	100	MVA						111.03
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.26	106.04	107.12	108.17	108.55	111.32
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	114.03	106.61	107.77	108.92	109.42	112.28
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112.04	106.52	107.66	108.78	109.27	112.12
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112.04	106.52	107.66	108.78	109.27	112.12
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	100	100	MVA						111.27
		Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.57	121.9	122.69	123.79	124.39	126.84
Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.93	106.78	107.88	108.96	109.38	112.2		
Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.96	106.81	107.91	108.98	109.4	112.23		
Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	100	100	MVA						111.21		
Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	100	100	MVA		106.38	107.42	108.4	108.7	111.37		
Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	100	100	MVA		106.65	108.02	109.54	110.19	113.74		
LAR.RIVR	345.00-AULT 345.00 #1 1	Open Line LAR.RIVR 500.00-PAWNEE 500.00 #1	414	1599.85	1599.85	Amps						116.84
LAR.RIVR	500.00-LAR.RIVR 345.00 #1 0	Open Line LAR.RIVR 500.00-PAWNEE 500.00 #1	414	840	1200	MVA						105.26
LUDLOTAP	115.00-WALSENBG 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	350.93	350.93	Amps						105.6
LUNA	345.00-LUNA 115.00 #1 0	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	224	224	MVA	103.32					
MIDWAYBR	230.00-RD_NIXON 230.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps	107.23					
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps	102.84					
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps	103.46					
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps	100.33					
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps	101.87					
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps	110.63					
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps	101.08					
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	1209.93	1209.93	Amps	103.43					
MURPHY	230.00-SMOKYHIL 230.00 #1 1	Open Line DANIELPK 230.00-SURREYRG 230.00 #1	235	853.47	853.47	Amps						100.02
NEWMAN	115.00-NEWMAN_B 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	113.66	115.11	116.92	114.95	109.57
NEWMAN_B	345.00-NEWMAN 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	112.55	113.9	115.53	113.92	108.66
OJO	345.00-OJO 115.00 #1 0	Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46					
		Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.42					
P.VALLEY	115.00-TODD CRE 115.00 #1 1	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	104.81	104.73	104.7	104.62	104.53
PINPK	230.00-PNPKAPS 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps	113.5					
PNPKAPS	230.00-PINPK 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps		113.73	114.21	113.76	114.38	114.39
PORTLAND	115.00-W.STATON 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	401.63	401.63	Amps						136.33
RD_NIXON	230.00-MIDWAYBR 230.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps		100.38				
		Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	1209.93	1209.93	Amps	100.29					
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.61					
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.79					
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps	105.68					
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps		102.78	101.57	100.35		
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1209.93	1209.93	Amps	100.21					
Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.27	126.72	124.82	122.74	120.34	118.65		

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
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	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E_PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst101_00.sav	pst101_05.sav	pst101_10.sav	pst101_15.sav	pst101_20.sav
RD_NIXON	230.00-MIDWAYBR 230.00 #1 1	Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.59					
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.19	100.55				
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.35					
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.35					
		Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.13					
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.06					
		Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.7					
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.13					
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.13					
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.13					
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.91	100.26				
		Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.79					
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.97	100.61				
		RIO_GRAN	115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65			
ROCKISLD	115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.92					
ROGERS	230.00-ROGSWAPA 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps				100.67		
ROGERS	230.00-ROGSWAPA 230.00 #2 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps				100.67		
ROGSWAPA	230.00-ROGERS 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37		100.73		103.52	
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	107.33	104.25	106.32	102.29	102.82
ROGSWAPA	230.00-ROGERS 230.00 #2 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37		100.73		103.52	
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	107.33	104.25	106.32	102.29	102.82
SHIPROCK	230.00-SHIPROCK 345.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA		100.99				
SILVSADL	230.00-REUNION 230.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	818.33	818.33	Amps					102.51	
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps				100.77	103.06	
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps				100.77	103.06	
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.97		100.11	101.94	103.44	106.2
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.95			101.56	102.94	105.53
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.55	105.17	106.5	108.2	109.58	112.22
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.68	111.4	112.86	114.72	116.24	119.06
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	818.33	818.33	Amps						100.15
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.43	104.13	105.58	107.42	108.94	111.73
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.13			101.05	102.26	104.66
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps					100.82	103.18
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.77	100.92	102.16	103.74	105.02	107.5
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	818.33	818.33	Amps						100.9
		Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	818.33	818.33	Amps						100.13
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps					101.24	103.72
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.37	102.98	104.31	106	107.38	110.01
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps					100.08	102.43
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.87			100.78	102	104.4
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.88			100.79	102.01	104.41
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.2			101.14	102.37	104.78
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.32			101.26	102.49	104.9
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.4			101.35	102.58	104.99
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.04			100.23	101.51	103.99
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	818.33	818.33	Amps						100.98
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.7	101.07	102.37	104.04	105.4	108.02
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.46	110.17	111.63	113.49	115.01	117.84
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.28		100.66	102.06	103.15	105.47
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.03			100.07	101.2	103.57
		Open Xfmr REUNION 115.00/REUNION 230.00 #1	353	818.33	818.33	Amps						100.7
SOCORROP	115.00-EL BUTTE 115.00 #1 1	Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	301.23	301.23	Amps			103.33	108.81	113.86	
SPRINGER	115.00-GLADSTON 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps					235.73	286.72
SPRINGER	115.00-STORRIE 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	512.08	512.08	Amps						104.09

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst10l_00.sav	pst10l_05.sav	pst10l_10.sav	pst10l_15.sav	pst10l_20.sav
	STEGALL 230.00-SIDNEY 230.00 #1 1	Open Line LAR.RIVR 500.00-PAWNEE 500.00 #1	414	800.76	800.76	Amps						105.28
	VERDE S 230.00-COCONINO 230.00 #1 1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	121.73	122.02	122.45	122.79	123.23
	W CANON 230.00-MIDWAYBR 230.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	599.94	599.94	Amps						113.75
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps						111.15
	WALSENBG 230.00-COMANCHE 230.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	1114.54	1114.54	Amps					106.18	123.87
	WALSENBG 230.00-WALSENBG 115.00 #1 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #2	341	100	100	MVA		104.5				
	WALSENBG 230.00-WALSENBG 115.00 #2 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #1	340	100	100	MVA		104.74	100.03			

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
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At least a 3% increase from previous case

E PCT										BASECASE										
OVERLOADED ELEMENT	CONTINGENCY			NO	N RATE	E RATE	UNIT	pre10h17.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav							
APT TAP2 115.00-APT MEM 115.00 #1 1	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.65														
	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.76														
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	497.02	497.02	Amps														100.06	
ARCHER 345.00-ARCHER 230.00 #1 0	Open Line ARCHER 345.00-STORY 345.00 #1	181	600	600	MVA														100.03	
	Open Line STORY 345.00-ARCHER 345.00 #1	191	600	600	MVA														100.03	
AULT 345.00-LAR.RIVR 345.00 #1 1	Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	1599.85	1599.85	Amps														111.48	
AUSTIN_N 115.00-DYER 115.00 #1 1	Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63														
BICKNELL 345.00-BICKNELL 230.00 #1 0	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	150	193	MVA		101.68	102.41	103.16	104.6	105.66									
BIGGS 115.00-NEWMAN 115.00 #1 1	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27	101.37	101.67	102.1	101.47	101.56									
COPPERVR 345.00-COPPERVR 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45	105.93	106.09	106.31	106.02	106.15									
	Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	128.94	130.24	131.5	133.63	135.74									
	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38														
	Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.3	128.37	129.67	130.93	133.05	135.16									
	Open Line MORENCI 230.00-PD-MORNC 230.00 #1	51	200	224	MVA	100.59	100.38	100.44	100.53	100.42	100.48									
CORBELL 230.00-KYRENE 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1599.01	1600.01	Amps				100.17											
DANIELPK 345.00-DANIELPK 230.00 #1 0	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	560	560	MVA														100.6	
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	560	560	MVA														100.6	
EAST_TAP 115.00-LAWRNCET 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	798.25	Amps		101.15	101.21	101.84	101.72	102.6									
EGYCNR 230.00-EGYCNR 500.00 #1 0	Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	200	200	MVA														106.91	
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA			133.56	158.79	189.76	211.84									
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA						101.62	112.06								
	Open Line EGYCNR 500.00-BOONE 500.00 #1	202	200	200	MVA					103.99	114.67	124.68								
	Open Line EGYCNR 500.00-BURLSC2 500.00 #1	203	200	200	MVA						102.77	107.75								
EGYCNR 230.00-EGYCNR 500.00 #2 0	Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	200	200	MVA														106.91	
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA			133.56	158.79	189.76	211.84									
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA						101.62	112.06								
	Open Line EGYCNR 500.00-BOONE 500.00 #1	202	200	200	MVA					103.99	114.67	124.68								
	Open Line EGYCNR 500.00-BURLSC2 500.00 #1	203	200	200	MVA						102.77	107.75								
EGYCNR 500.00-EGYCNR 230.00 #1 0	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	200	200	MVA						102.99	107.63								
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA		108.06													
	Open Line LAMAR CO 230.00-LAMAR DC 230.00 #1	149	200	200	MVA														103.83	
EGYCNR 500.00-EGYCNR 230.00 #2 0	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	200	200	MVA						102.99	107.63								
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA		108.06													
FLAGSTAF 345.00-PINPKBRB 345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.03	120.89	125.49	130.52	135.28	140.05									
FLAGSTAF 345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.81	118.72	123.24	128.18	132.86	137.54									
FLAGSTAF 345.00-PINPKBRB 345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.97	Amps	102.32		103.52	107.68	111.61	115.55									
FLAGSTAF 345.00-PINPKBRB 345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.8	118.71	123.23	128.18	132.85	137.54									
FOURC1AA 100.00-FOURCORN 500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116	116.19	108.75	101.33											
FOURCORN 345.00-FOURC1AA 100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.47	116.69	109.24	101.8											
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	103.48	104.41	105.42	106.4	110.83									
	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.2	103.31	104.26	105.3	106.31	110.73									
	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	105.52	106.5	107.57	108.61	113.19									
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.26	106.32	107.3	108.37	109.41	114									
	Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	103.12	104.09	105.15	106.18	110.64									
	Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	103.12	104.09	105.15	106.18	110.64									
	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.72	103.83	104.78	105.82	106.82	111.29									
	Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	103.83	104.78	105.82	106.82	111.29									
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	280	280	MVA					105.07	106.17	110.64								
	Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	103.42	104.35	105.36	106.34	110.76									
	Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	107.48	108.67	109.97	111.24	116.2									
	Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.67	103.79	104.78	105.87	106.92	111.39									
	Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	103.14	104.12	105.19	106.22	110.68									
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	107.5	108.61	109.84	111.02	115.84									

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav
	FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	105.46	106.44	107.51	108.55	113.13
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	103.5	104.42	105.43	106.4	110.8
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.84	104.11	105.02	106.02	106.97	111.37
		Open Line DANIELPK 230.00-BRICKCTR 230.00 #1	240	280	280	MVA						110.46
		Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.46	103.58	104.51	105.52	106.5	110.93
		Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	103.42	104.4	105.49	106.53	111
		Open Line EGYCNTN 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22	104.08	105.05	106.11	107.14	111.58
		Open Line FTUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	111.73	112.85	114.08	115.28	120.16
		Open Line FTUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	115.76	116.96	118.27	119.55	124.66
		Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93					
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.97	111.13	112.33	113.64	114.91	119.94
		Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	105.18	106.34	107.61	108.85	113.4
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	104.07	105.04	106.11	107.13	111.62
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.7	103.83	104.8	105.85	106.88	111.35
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	104.56	105.54	106.61	107.65	112.16
		Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	103.55	104.55	105.65	106.7	111.17
		Open Line GREENWD 230.00-MONACO12 230.00 #1	256	280	280	MVA	103.42	103.52	104.44	105.45	106.43	110.88
		Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	103.12	104.07	105.11	106.12	110.58
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	280	280	MVA	103.31	103.31	104.43	105.66	106.97	111.8
		Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	280	280	MVA	103.24	103.24	104.49	105.74	106.81	110.55
		Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	280	280	MVA	103.27	103.37	104.3	105.31	106.29	110.73
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	103.89	104.03	105.15	106.38	107.57	112.24
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	105.72	105.85	106.97	108.2	109.39	114.09
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	104.03	105.15	106.38	107.57	112.24
		Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	103.16	104.12	105.16	106.17	110.61
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	103.15	104.12	105.17	106.2	110.63
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	103.7	104.62	105.61	106.57	110.96
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	108.27	109.38	110.61	111.8	116.53
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	105.66	106.7	107.83	108.93	113.51
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	105.66	106.7	107.83	108.93	113.51
		Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	103.41	104.35	105.38	106.38	110.81
		Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	103.39	104.33	105.37	106.36	110.79
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	110.33	111.45	112.68	113.87	118.74
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06	103.13	104.08	105.11	106.12	110.53
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	105.92	106.9	107.97	109.01	113.6
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	103.69	104.66	105.71	106.74	111.21
		Open Line SKYRANCT 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	104.02	105	106.06	107.08	111.57
		Open Line SKYRANCT 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	104.03	105	106.06	107.09	111.58
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	103.66	103.79	104.76	105.81	106.84	111.31
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	103.81	104.78	105.83	106.86	111.33
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91					
		Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	103.06	104.01	105.04	106.04	110.47
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	103.7	103.82	104.79	105.84	106.87	111.34
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	108.36	108.47	109.58	110.81	112	116.73
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	280	280	MVA	107.55	107.73	109.02	110.42	111.8	116.77
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	117.7	119	120.41	121.81	126.91
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	115.05	116.25	117.56	118.84	123.94
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	280	280	MVA				105.17	106.49	110.98
		Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	103.8	104.74	105.77	106.76	111.21
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	103.1	104.05	105.08	106.08	110.5
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92	103.06	104.01	105.05	106.05	110.48
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92	103.06	104.01	105.05	106.05	110.48
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	106.04	106.99	108.04	109.05	113.61
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.3	104.47	105.43	106.47	107.47	112.1



AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E_PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE							
							pre10h517.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav		
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.29	104.47	105.42	106.46	107.46	112.09		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.12	103.26	104.21	105.24	106.24	110.66		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.12	103.26	104.21	105.24	106.24	110.66		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.12	103.26	104.21	105.24	106.24	110.66		
		Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	103.86	104.79	105.82	106.8	111.29		
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.02	103.16	104.11	105.15	106.15	110.59		
		Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	104.49	105.41	106.42	107.4	111.93		
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	103.54	104.46	105.46	106.42	110.81		
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	103.14	104.1	105.15	106.17	110.61		
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	103.14	104.1	105.15	106.17	110.61		
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	103.14	104.1	105.15	106.17	110.61		
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.25	103.4	104.34	105.37	106.36	110.79		
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.26	103.41	104.35	105.38	106.37	110.8		
		Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	103.32	104.26	105.29	106.28	110.7		
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.82	106.01	106.98	108.04	109.06	113.58		
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.82	106.01	106.98	108.04	109.06	113.58		
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	103.64	104.56	105.55	106.52	110.9		
		GLADSTON 115.00-SPRINGER 115.00 #1 1		Open Line B-SANDY 500.00-BSNDYSC1 500.00 #1	205	599.94	599.94	Amps						117
				Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps				104.05	121.36	148.45
				Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps					104.9	123.6
Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200			599.94	599.94	Amps						117.09		
Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126			599.94	599.94	Amps						116.87		
Open Line CF&IFURN 230.00-COMANCHE 230.00 #1	145			599.94	599.94	Amps						118.72		
Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148			599.94	599.94	Amps						116.74		
Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395			599.94	599.94	Amps			111.63	132.93		161.83		
Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129			599.94	599.94	Amps						118.03		
Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130			599.94	599.94	Amps						118.07		
Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396			599.94	599.94	Amps					101.19	119.06		
Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115			599.94	599.94	Amps						117.19		
Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393			599.94	599.94	Amps		125.47	162.85	200.2				
Open Line GUADLUPE 500.00-CORONA 500.00 #2	394			599.94	599.94	Amps				112.15	134.13	162.88		
Open Line LUNA 500.00-WINCHSTR 500.00 #1	397			599.94	599.94	Amps						116.44		
Open Line MUSTANG 230.00-SPENCE 230.00 #1	135			599.94	599.94	Amps						117.56		
Open Line OJO 345.00-TAOS 345.00 #1	92			599.94	599.94	Amps					104.31	120.36		
Open Line RIVERTON 230.00-WYPOPO 230.00 #1	137			599.94	599.94	Amps						117.31		
Open Line SAN_JUAN 345.00-OJO 345.00 #1	358			599.94	599.94	Amps			104.76	116.49	127.2	141.56		
Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186			599.94	599.94	Amps					100.55	120.81		
Open Line WINCHSTR 345.00-VAIL 345.00 #1	37	599.94	599.94	Amps						114.59				
Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps						120.86				
Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	599.94	599.94	Amps					109.49	129.75				
GLADSTON 230.00-GLADSTON 115.00 #1 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	200	200	MVA						104.9			
GLADSTON 230.00-GLADSTON 115.00 #2 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	200	200	MVA						104.9			
GLENCANY 345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1999.97	Amps	103.13	100.48	104.37	108.61	112.64	116.66			
GLENCANY 345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86		103.08	107.27	111.26	115.22			
GLENCANY 345.00-FLAGSTAF 345.00 #2 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1680.17	Amps	122.54	119.38	124.01	129.06	133.86	138.64			
GLENCANY 345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.68		102.9	107.09	111.07	115.04			
GR 115.00-VISTA_# 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	151.22	151.91	152.73	151.85	151.58			
GREEN-AE 345.00-GREEN-AE 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	108.3	108.48	108.72	108.4	108.55			
	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	149.1	150.61	152.08	154.57	157.05			
	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	148.75	150.27	151.75	154.23	156.72			
	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.75								
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	125.32	126.89	128.42	130.93	133.46			
JLGREEN 230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps						101.39			
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps						103.87			

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E_PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav
JLGREEN	230.00-FTLUPTON 230.00 #1 1	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps						103.51
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps						101.21
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100.01	100.33	102.39	104.64	106.99	111.56
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	1242.56	1242.56	Amps						100.17
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps				101.98	104.33	108.89
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps						102.62
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	1242.56	1242.56	Amps						100.45
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps						104.29
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps						104.23
LAMAR CO	230.00-LAMAR CO 115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.06					
		Open Line B.SANDY 230.00-BEAV/ERCK 230.00 #1	176	100	100	MVA	112.15					
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.81	100.03				
		Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.95					
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.3					
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.71	100.44				
		Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.11					
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.36					
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.72					
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.42	114.68	114.68	114.74	114.11	115.17
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.07					
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	100	100	MVA				101.54	103.45	106.18
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.26					
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	100	100	MVA		109.35	113.01	116.71	121.03	126.11
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	114.03					
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112.04					
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112.04					
		Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.57	112.35	112.23	112.12	111.48	111.85
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.93					
Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.96							
Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	100	100	MVA		101.77	102.85	104.03	104.72	106.99		
LAR_RIVR	345.00-AULT 345.00 #1 1	Open Line LAR_RIVR 500.00-WRAY 500.00 #1	389	1599.85	1599.85	Amps					113.37	
LAR_RIVR	500.00-LAR_RIVR 345.00 #1 0	Open Line LAR_RIVR 500.00-WRAY 500.00 #1	389	840	1200	MVA					105.09	
LUDLOTAP	115.00-WALSENBG 115.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	350.93	350.93	Amps					107.41	
LUNA	345.00-LUNA 115.00 #1 0	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	224	224	MVA	103.32					
MIDWAYBR	230.00-RD_NIXON 230.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps	107.23					100.04
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps	102.84					
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps	103.46					
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps	100.33					
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps	101.87					
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps	110.63					
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps	101.08					
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	1209.93	1209.93	Amps	103.43					
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	1209.93	1209.93	Amps					100.49	103.35
NEWMAN	115.00-NEWMAN_B 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	107.66	109.51	111.46	108.22	107.21
NEWMAN_B	345.00-NEWMAN 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	106.81	108.52	110.26	107.49	106.41
OJO	345.00-OJO 115.00 #1 0	Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46					
		Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.42					
ORME	230.00-RUDD 230.00 #1 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1599.01	1600.01	Amps			109.97			
P_VALLEY	115.00-TODD CRE 115.00 #1 1	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	104.66	104.57	104.48	104.42	103.82
PINPK	230.00-PNPKAPS 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps	113.5			112.28		
PNPKAPS	230.00-CACTUS 230.00 #1 1	Open Line PNPKAPS 230.00-OCOTILLO 230.00 #1	15	931.29	1157.21	Amps					120.55	
PNPKAPS	230.00-PINPK 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps		112.16	112.67	112.88	112.73	
PRESCOTT	230.00-WILOWLKW 230.00 #1 1	Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	672.99	672.99	Amps				110.05	113.15	
RD_NIXON	230.00-MIDWAYBR 230.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps		102.21	101.58	100.87	100.07	

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT		BASECASE									
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav
RD_NIXON 230.00-MIDWAYBR 230.00 #1 1	Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	1209.93	1209.93	Amps	100.29					
	Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.61					
	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.79					
	Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps	105.68	101.15	100.32			
	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps		105.59	104.75	103.87	102.78	102.73
	Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1209.93	1209.93	Amps	100.21					
	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.27	129.51	128.24	126.82	125.22	124.59
	Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.59					
	Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.19	102.93	102.01	100.98		
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.35					
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.35					
	Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.13					
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.06					
	Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.7					
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.13					
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.13					
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.13					
	Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.91	102.64	101.72	100.69		
	Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.79					
	Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.97	102.97	102.02	100.94		
RIO_GRAN 115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65					
ROCKISLD 115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.92					
ROGSWAPA 230.00-ROGERS 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37			104.11	104.24	108.59
ROGSWAPA 230.00-ROGERS 230.00 #2 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	108.17	105.24	107.66	103.93	106.34
	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37			104.11	104.24	108.59
SHIPROCK 230.00-SHIPROCK 345.00 #1 0	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	108.17	105.24	107.66	103.93	106.34
	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	300	300	MVA		102.38				
SILVSADL 230.00-REUNION 230.00 #1 1	Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA		106.5	103.65	100.5		
	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	818.33	818.33	Amps						101.82
	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	818.33	818.33	Amps						100.24
	Open Line BUCKLY12 230.00-SMOKYHIL 230.00 #1	224	818.33	818.33	Amps						100.81
	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps					100.75	105.46
	Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps					100.75	105.46
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	818.33	818.33	Amps						100.29
	Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	818.33	818.33	Amps						100.76
	Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.97		100.03	101.53	103.14	108.39
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.95			101.26	102.74	107.76
	Open Line CLARK 230.00-JORDAN 230.00 #1	233	818.33	818.33	Amps						100.17
	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	818.33	818.33	Amps						100.17
	Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	818.33	818.33	Amps						100.46
	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	818.33	818.33	Amps						101.7
	Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	818.33	818.33	Amps						102.19
	Open Line DENVTM 230.00-WESTPS 230.00 #1	243	818.33	818.33	Amps						100.15
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	818.33	818.33	Amps						101.43
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.55	105.18	106.5	107.88	109.37	114.44
	Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.68	111.35	112.78	114.29	115.91	121.24
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	818.33	818.33	Amps						103.46
Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.43	104.07	105.5	107.01	108.62	113.91	
Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.13			101.02	102.36	107.15	
Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps					100.92	105.64	
Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.77	101.2	102.44	103.73	105.14	110.05	
Open Line GREENWD 230.00-MONACO12 230.00 #1	256	818.33	818.33	Amps						102.48	
Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	818.33	818.33	Amps						100.26	
Open Line HOMESTEAD 230.00-MURPHY 230.00 #1	296	818.33	818.33	Amps						100.15	

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE						
							pre10hs17.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav	
SILVSADL	230.00-REUNION 230.00 #1 1	Open Line JEWELL2 230.00-LEETSDAL 230.00 #1	259	818.33	818.33	Amps						100.26	
		Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	818.33	818.33	Amps						101.52	
		Open Line JORDAN 230.00-ORCHARD 230.00 #1	261	818.33	818.33	Amps						100.34	
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	818.33	818.33	Amps					100.37		106.67
		Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	818.33	818.33	Amps							101.8
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	818.33	818.33	Amps							101.33
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	818.33	818.33	Amps							103.3
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	818.33	818.33	Amps							101.33
		Open Line LOOKOUT 230.00-PLNENDSS 230.00 #1	154	818.33	818.33	Amps							100.01
		Open Line LOOKOUT 230.00-PLNENDSS 230.00 #2	155	818.33	818.33	Amps							100
		Open Line LOOKOUT 230.00-RIDGE 230.00 #1	266	818.33	818.33	Amps							100.89
		Open Line LOOKOUT 230.00-WESTPS 230.00 #1	267	818.33	818.33	Amps							100.53
		Open Line MEADOWHL 230.00-ORCHARD 230.00 #1	269	818.33	818.33	Amps							101.22
		Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	818.33	818.33	Amps							102.39
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	818.33	818.33	Amps							100.21
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	818.33	818.33	Amps							100.78
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps					101.33		106.11
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	818.33	818.33	Amps							100.68
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	818.33	818.33	Amps							100.68
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.37	103	104.31	105.69	107.18		112.23
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps						100.18	104.89
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.87				100.76	102.1	106.89
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.88				100.77	102.11	106.9
		Open Line SMOKYHIL 230.00-MURPHY 230.00 #1	282	818.33	818.33	Amps							100.18
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.2				101.12	102.48	107.21
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.32				100	101.25	102.6
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.4				100.09	101.33	102.69
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.04					100.19	101.6
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	818.33	818.33	Amps							103.49
		Open Line VALMONT 230.00-SIMMS 230.00 #1	292	818.33	818.33	Amps							100.28
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.7	101.35	102.66	104.03	105.52		110.55
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.46	110.12	111.56	113.07	114.68		120.02
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.28				100.86	101.98	103.21
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.03						101.18
Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	818.33	818.33	Amps							100.31		
Open Xfmr REUNION 115.00/REUNION 230.00 #1	353	818.33	818.33	Amps							103.02		
Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	818.33	818.33	Amps							100.63		
SPRINGER 115.00-GLADSTON 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	599.94	599.94	Amps						243.16		
SPRINGER 115.00-STORRIE 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	512.08	512.08	Amps						103.64		
SPRINGER 115.00-YORKCANY 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	330.85	330.85	Amps						100.25		
STEGALL 230.00-SIDNEY 230.00 #1 1	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	800.76	800.76	Amps						103.88		
VERDE S 230.00-COCONINO 230.00 #1 1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	121.83	122.15	122.59	122.93	123.42		
W CANON 230.00-MIDWAYBR 230.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	599.94	599.94	Amps						108.72		
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	599.94	599.94	Amps						109.85		
WALSENBG 230.00-COMANCHE 230.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	1114.54	1114.54	Amps						107.69		
WALSENBG 230.00-WALSENBG 115.00 #1 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #2	341	100	100	MVA		103.71						
WALSENBG 230.00-WALSENBG 115.00 #2 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #1	340	100	100	MVA		103.94						
WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps						100.83		
WINCHSTR 345.00-VAIL 345.00 #1 3	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps						100.83		
WRAY 230.00-WRAY 115.00 #1 0	Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	186	186	MVA						143.48		
	Drop Generator at DJ GEN 2 16.00 #1, 500 MW Dropped	405	186	186	MVA						143.48		
	Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	186	186	MVA						143.41		
	Drop Generator at LR GEN 2 16.00 #1, 500 MW Dropped	410	186	186	MVA						143.41		
	Open Line ARCHER 345.00-STORY 345.00 #1	181	186	186	MVA						142.17		

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT									BASECASE					
OVERLOADED ELEMENT				CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10r_00.sav	pst10r_05.sav	pst10r_10.sav	pst10r_15.sav	pst10r_20.sav
WRAY	230.00-WRAY	115.00 #1	0	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	186	186	MVA						150.28
				Open Line B-A 345.00-GUADLUPE 345.00 #1	84	186	186	MVA						142.75
				Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	186	186	MVA						142.06
				Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	186	186	MVA						148.81
				Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	186	186	MVA						146.92
				Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	186	186	MVA						144.66
				Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	186	186	MVA						142.03
				Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	186	186	MVA						142.7
				Open Line DAVEJOHN 500.00-LAR.RIVR 500.00 #1	388	186	186	MVA						141.66
				Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	186	186	MVA						142.85
				Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	186	186	MVA						141.71
				Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	186	186	MVA						151.71
				Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	186	186	MVA						142.2
				Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	186	186	MVA						144.58
				Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	186	186	MVA						153.3
				Open Line LAR.RIVR 230.00-TEGALL 230.00 #1	180	186	186	MVA						141.96
				Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	186	186	MVA						142.47
				Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	186	186	MVA						141.99
				Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	186	186	MVA						141.81
				Open Line N.YUMA 230.00-WRAY 230.00 #1	184	186	186	MVA						148.94
				Open Line PAWNEE 230.00-PTZLOGN 230.00 #1	273	186	186	MVA						141.68
				Open Line SIDNEY 230.00-TEGALL 230.00 #1	187	186	186	MVA						144.59
				Open Line STEGALDC 230.00-TEGALL 230.00 #1	189	186	186	MVA						141.67
				Open Line STORY 345.00-ARCHER 345.00 #1	191	186	186	MVA						142.17
				Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	186	MVA						148.04
				Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	186	186	MVA						141.83
				Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	186	186	MVA						141.85
				Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	186	186	MVA						142

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingenc
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE											
							pre10hs17.sav	pst10b_00.sav	pst10b_05.sav	pst10b_10.sav	pst10b_15.sav	pst10b_20.sav	pst10b_25.sav	pst10b_30.sav				
APT TAP2	115.00-APT MEM 115.00 #1 1	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.65											
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.76											
ASPEN	115.00-S.JOSEPH 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	1616.58	1616.58	Amps					100.65							
		Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	1599.85	1599.85	Amps								100.01		106.79		
AULT	345.00-LAR.RIVR 345.00 #1 1	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	1599.85	1599.85	Amps											103.21	
		Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63	100	100.46	101.27	102.45				100.99		101.61	
B-A	345.00-B-A 115.00 #1 0	Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	448	448	MVA											101.41	
		Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	150	193	MVA		100.49	101.26	102.03	102.72	104.38		105		105.75		
BICKNELL	345.00-BICKNELL 230.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27	101.55	101.85	102.26	102.79	101.76		102.54		102.54		
		Open Xfmr LAMAR CO 230.00-LAMAR CO 115.00 #1	356	150	150	MVA						104.96						
BOONE	230.00-BOONE 115.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45	105.68	105.82	106	106.25	105.78		106.14		106.35		
		Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	125.54	126.88	128.11	129.35	131.7		132.79		134.39		
DANIELPK	345.00-DANIELPK 230.00 #1 0	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38											
		Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.3	124.98	126.32	127.54	128.77	131.13		132.22		133.81		
EGYCNTR	230.00-EGYCNTR 500.00 #1 0	Open Line MORENCI 230.00-PT-MORNC 230.00 #1	51	200	224	MVA	100.59	100.28	100.33	100.41	100.5	100.33		100.47		100.56		
		Open Xfmr DANIELPK 230.00-DANIELPK 345.00 #2	320	560	560	MVA		100.3	100.34	100.21	100.28			100.02		100.31		
EGYCNTR	230.00-EGYCNTR 500.00 #1 0	Open Xfmr DANIELPK 230.00-DANIELPK 345.00 #3	321	560	560	MVA		100.3	100.34	100.21	100.28			100.02		100.31		
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	200	MVA								101.12		117.56		
EGYCNTR	230.00-EGYCNTR 500.00 #2 0	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA			102.84	119.58			137.74		156.11		167.37	
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA								100.02		109.2		
EMBUDO	115.00-TRAMWAY 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	200	MVA							101.12		111.87		117.56	
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA			102.84	119.58			137.74		156.11		167.37	
FOURCORN	345.00-FOURCORN 100.00 #1 0	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA										103.35		
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	200	200	MVA								100.02		109.2		
FOURHILL	115.00-LAWRNCET 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	200	MVA							101.12		111.87		117.56	
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA			102.84	119.58			137.74		156.11		167.37	
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA										103.35		
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	200	200	MVA								100.02		109.2		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	717.92	717.92	Amps		103.92	104.95	107.07	111.48	103.66		110.13		138.89		
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.03	117.83	121.75	125.86	130.25	133.97		138.89		141.43		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.81	115.72	119.57	123.61	127.92	131.57		138.89		138.89		
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.97	Amps	102.32		100.44	103.83	107.46	110.53		114.59		116.68		
FOURCORN	345.00-FOURCORN 100.00 #1 0	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.8	115.71	119.56	123.6	127.91	131.56		138.4		138.89		
		Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116	121.74	114.76	108.25	100.72							
FOURHILL	115.00-LAWRNCET 115.00 #1 1	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.47	122.24	114.24	108.72	101.18							
		Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	798.25	Amps			100.46	103	108.38			106.71		110.64		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	104.19	105.01	105.89	106.78	107.71		108.61		110.64		
		Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.2	104.06	104.9	105.8	106.72	107.67		108.6		110.64		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line B.SANDY 500.00-BOONE 500.00 #1	377	280	280	MVA			104.72	105.74	106.8	107.9		108.98		111.1		
		Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	106.2	107.07	108	108.95	109.92		110.89		112.96		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 2	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	105.45	107.01	107.87	108.81	109.75	110.72		111.69		113.76		
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	103.83	104.69	105.61	106.55	107.52		108.47		110.53		
FLAGSTAF	345.00-PINPKBRB 345.00 #2 2	Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	103.83	104.69	105.61	106.55	107.52		108.47		110.53		
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.72	104.54	105.37	106.28	107.19	108.14		109.07		111.12		
FOURCORN	345.00-FOURCORN 100.00 #1 0	Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	104.54	105.37	106.28	107.19	108.14		109.07		111.12		
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	280	280	MVA								107.42		108.42		
FOURHILL	115.00-LAWRNCET 115.00 #1 1	Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	104.12	104.94	105.82	106.71	107.63		108.54		110.56		
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	108.3	109.34	110.48	111.63	112.81		114		116.17		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.67	104.5	105.37	106.32	107.28	108.26		109.25		111.33		
		Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	103.85	104.71	105.64	106.58	107.55		108.51		110.58		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	108.27	109.25	110.32	111.4	112.51		113.62		115.77		
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	106.14	107	107.94	108.89	109.86		110.82		112.89		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	104.4	105.2	106.08	106.96	107.87		108.76		110.78		
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.84	105.14	105.93	106.81	107.69	108.58		109.46		111.48		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line DANIELPK 230.00-BRICKCTR 230.00 #1	240	280	280	MVA								108.29		110.33		
		Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.46	104.29	105.11	105.99	106.88	107.81		108.71		110.74		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	104.13	105	105.95	106.9	107.88		108.86		110.94		
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22	103.88	104.75	105.7	106.66	107.63		108.62		110.69		
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	112.49	113.47	114.55	115.63	116.75		117.86		120.06		
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	116.53	117.58	118.73	119.9	121.08		122.28		124.57		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93											
		Open Line GLENN PS 230.00-WASHNGT 230.00 #1	253	280	280	MVA	110.97	111.93	112.98	114.12	115.28	116.47		117.66				

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingenc
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE									
							pre10hs17.sav	pst10b_00.sav	pst10b_05.sav	pst10b_10.sav	pst10b_15.sav	pst10b_20.sav	pst10b_25.sav	pst10b_30.sav		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	103.86	104.71	105.62	106.54	107.49	108.44	110.48		
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	103.85	104.7	105.62	106.56	107.53	108.48	110.53		
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA		103.82	104.64	105.53	106.43	107.37	108.28			
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	104.47	105.27	106.12	106.98	107.89	108.76	110.77		
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	108.93	109.89	110.96	112.02	113.13	114.24	116.39		
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	106.2	107.12	108.1	109.1	110.11	111.14	113.21		
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	106.2	107.12	108.1	109.1	110.11	111.14	113.21		
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	280	280	MVA			104.61	105.76	107.02	108.28	109.57	111.71		
		Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	104.08	104.91	105.81	106.73	107.67	108.59	110.62		
		Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	104.06	104.9	105.8	106.71	107.65	108.58	110.61		
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	111.1	112.08	113.15	114.24	115.35	116.46	118.65		
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06	103.79	104.62	105.53	106.45	107.4	108.34	110.39		
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	106.6	107.47	108.4	109.35	110.32	111.29	113.36		
		Open Line SKYRANGH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	104.39	105.24	106.17	107.1	108.06	109.01	111.07		
		Open Line SKYRANGCT 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	104.72	105.58	106.51	107.44	108.41	109.37	111.43		
		Open Line SKYRANGCT 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	104.73	105.58	106.51	107.44	108.41	109.37	111.43		
		Open Line SMOKYHIL 230.00-POWHTON 230.00 #1	281	280	280	MVA	103.66	104.49	105.34	106.27	107.2	108.16	109.12	111.18		
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	104.51	105.36	106.29	107.22	108.18	109.14	111.2		
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91									
		Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	103.77	104.6	105.51	106.42	107.36	108.29	110.33		
		Open Line SPRUCE 230.00-POWHTON 230.00 #1	299	280	280	MVA	103.7	104.52	105.37	106.3	107.23	108.19	109.15	111.21		
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	108.36	109.12	110.09	111.16	112.22	113.33	114.43	116.59		
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	280	280	MVA	107.55	108.36	109.45	110.68	111.89	113.16	114.42	116.6		
		Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	280	280	MVA		103.77								
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	118.3	119.4	120.65	121.89	123.15	124.44	126.7		
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	115.83	116.88	118.03	119.19	120.38	121.58	123.86		
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	280	280	MVA						107.42	108.43	110.49		
		Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	104.51	105.34	106.23	107.14	108.08	109	111.03		
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	103.8	104.63	105.53	106.44	107.39	108.32	110.35		
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92					106.41	107.36	108.29	110.32	
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92					106.41	107.36	108.29	110.32	
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	106.74	107.58	108.49	109.41	110.37	111.3	113.35		
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.3	105.19	106.03	106.94	107.85	108.81	109.73	111.75		
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.29	105.18	106.02	106.93	107.84	108.8	109.72	111.74		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.12	103.97	104.8	105.7	106.61	107.55	108.48	110.51		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.12	103.97	104.8	105.7	106.61	107.55	108.48	110.51		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.12	103.97	104.8	105.7	106.61	107.55	108.48	110.51		
		Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	104.57	105.39	106.28	107.18	108.12	109.03	111.07		
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.02	103.85	104.69	105.59	106.51	107.46	108.39	110.44		
		Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	105.19	106.01	106.89	107.78	108.7	109.6	111.63		
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	104.32	105.11	105.97	106.83	107.74	108.61	110.62		
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	103.83	104.68	105.6	106.52	107.48	108.42	110.46		
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	103.83	104.68	105.6	106.52	107.48	108.42	110.46		
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	103.83	104.68	105.6	106.52	107.48	108.42	110.46		
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.25	104.11	104.94	105.84	106.74	107.68	108.6	110.64		
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.26	104.12	104.95	105.85	106.75	107.69	108.61	110.65		
		Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	104.03	104.86	105.76	106.66	107.61	108.53	110.56		
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.82	106.71	107.56	108.49	109.42	110.39	111.34	113.38		
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.82	106.71	107.56	108.49	109.42	110.39	111.34	113.38		
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	104.41	105.21	106.06	106.92	107.83	108.7	110.7		
		GLADSTON	115.00-CLAPHAM 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	601.95	601.95	Amps							100.2	106.91
				Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	601.95	601.95	Amps								102.9
				Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	601.95	601.95	Amps								102.9
				Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	601.95	601.95	Amps								100.58
		GLADSTON	115.00-SPRINGER 115.00 #1 1	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps				104.03	115.35	132.37	149.07	
				Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps					104.21	117.75	128.6	
				Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	599.94	599.94	Amps							109.08	121.24
				Open Line CF&FURN 230.00-COMANCHE 230.00 #1	145	599.94	599.94	Amps							110.35	122.59
				Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	599.94	599.94	Amps							112.11	123.67
				Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	599.94	599.94	Amps						101.48	117.04	131.43
Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395			599.94	599.94	Amps						101.48	117.04	131.43		
Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129			599.94	599.94	Amps							109.84	122.33		
Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130			599.94	599.94	Amps							109.87	122.38		
Open Line FOURCORN 500.00-FCV 500.00 #1	66			599.94	599.94	Amps							108.01			
Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369			599.94	599.94	Amps								120.09		
Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396			599.94	599.94	Amps								114.26	125.45	
Open Line FT.CRAIG 500.00-SPRNGR 500.00 #1	392			599.94	599.94	Amps								110.71	123.45	
Open Line FT.CRAIG 500.00-SPRNGR 500.00 #1	315			599.94	599.94	Amps								112.39	123.99	
Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115			599.94	599.94	Amps								112.39	123.99	
Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379			599.94	599.94	Amps					100.13	112.46	130.07	145.47		
Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	383	599.94	599.94	Amps					100.13	112.46	130.07	145.47				
Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	599.94	599.94	Amps								114.34	128.05			
Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	599.94	599.94	Amps								114.34	128.05			

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingenc
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE											
							pre10hs17.sav	pst10b_00.sav	pst10b_05.sav	pst10b_10.sav	pst10b_15.sav	pst10b_20.sav	pst10b_25.sav	pst10b_30.sav				
GLADSTON	115.00-SPRINGER 115.00 #1 1	Open Line HIDALGO 345.00-GREENLEE 345.00 #1	99	599.94	599.94	Amps								107.76	119.17			
		Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	599.94	599.94	Amps								110.95	122.24			
		Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	599.94	599.94	Amps								109.47	121.89			
		Open Line OJO 345.00-TAOS 345.00 #1	92	599.94	599.94	Amps							101.9	113.44	122.87			
		Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	599.94	599.94	Amps								109.3	121.66			
		Open Line SAN JUAN 345.00-OJO 345.00 #1	358	599.94	599.94	Amps					107.75	117.19	123.38	134.61	143.05			
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	599.94	599.94	Amps								111.86	124.61			
		Open Line SPRINGER 345.00-CORONADO 345.00 #1	32	599.94	599.94	Amps								108.49	119.82			
		Open Line SPRINGR 500.00-SES 500.00 #1	383	599.94	599.94	Amps								108.49	119.91			
		Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	599.94	599.94	Amps									120.72			
		Open Line WINCHSTR 345.00-VAIL 345.00 #1	37	599.94	599.94	Amps								108.56	119.77			
		Open Xfmr DAVE JOHN 500.00/DAVE JOHN 230.00 #1	386	599.94	599.94	Amps								110.32	123.58			
		Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps								114.44	128.3			
		Open Xfmr GUADALUPE 500.00/GUADALUPE 345.00 #1	373	599.94	599.94	Amps								106.81	124.29	135.84		
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1999.97	Amps	103.13	97.91	101.24	104.69	108.39	111.53	115.66	117.79	117.79			
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86			103.4	107.06	110.16	114.24	116.33	116.33			
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1690.17	Amps	122.54	116.33	120.28	124.39	128.9	132.54	137.46	139.99	139.99			
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.86			103.21	106.87	109.97	114.06	116.15	116.15			
		Open Line CALIENTE 345.00-RED 345.00 #1	74	590.91	800.26	Amps	149.06	151.37	151.95	152.65	153.48	152.33	153.5	152.88	152.88			
		Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	108.03	108.17	108.38	108.65	108.13	108.53	108.77	108.77			
Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	145.13	146.69	148.12	149.56	152.33	153.59	155.46	155.46					
Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	144.78	146.34	147.78	149.22	151.98	153.26	155.13	155.13					
Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.75													
Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	121.24	122.86	124.34	125.84	128.61	129.95	131.88	131.88					
JLGREEN	230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps								101	102.26			
		Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps								101.42	103.47	104.72		
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps								101.18	103.5	104.87		
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps									100.83	102.07		
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100.01	101.28	103.07	105.11	107.23	109.16	111.49	112.87	112.87			
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	1242.56	1242.56	Amps									100.05	101.34		
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps									100.43	102.46	104.58	
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps									106.51	108.84	110.21	
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	1242.56	1242.56	Amps									100.18	102.23	103.48	
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps									100.33	101.62		
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #1	323	1242.56	1242.56	Amps									101.72	103.99	105.4	
		Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	200.82	200.82	Amps									100.23	101.92	103.98	105.32
		Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	200.82	200.82	Amps									143.72			
		Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	25	25	MVA									123.45			
Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	25	25	MVA									182.51					
LAJUNTAW	69.00-PHILPS TP 69.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.06											
		Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	100	100	MVA	112.15											
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.81	101.09	101.03	101.33	101.56	100.13		101.4				
		Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.95											
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.3											
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.71	101.46	101.39	101.7	101.99	100.49	100.42	101.86				
		Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.11											
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.36											
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.72											
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.42	102.03	102.69	103.74	104.92	104.06	105.01	106.85				
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.07											
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.26											
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	100	100	MVA		103.34	105.81	108.7	112	113.96	117.86	121.79				
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	114.03											
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112.04											
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112.04											
		Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.57	112.19	112.14	112.27	112.53	111.13	110.28	111.24				
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.93											
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.96											
		Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	100	100	MVA		101.24	102.27	103.65	105.27	104.88	106.37	108.56				
Open Line DAVE JOHN 500.00-PAWNEE 500.00 #1	375	1599.85	1599.85	Amps								100.96	100.96					
Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	840	1200	MVA									103.83					
LAR.RIVR	345.00-LAR.RIVR 345.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	667.72	667.72	Amps				102.47	103.46	105.68	110.54	101.58	108.76			
		Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	667.72	667.72	Amps				102.47	103.46	105.68	110.54	101.58	108.76			
LENKURT	115.00-SANDIA 1 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	224	224	MVA	103.32											
		Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps			102.5	102.58	103.62	106.53		104.41				
LUNA	345.00-LUNA 115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps								107.23				
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps								102.94				
MARIPOSA	115.00-WESTMS 2 115.00 #1 1	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps								103.46				
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps								100.33				
MIDWAYBR	230.00-RD_NIXON 230.00 #1 1	Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps								101.87				
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps								110.63				
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps								101.08				
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	1209.93	1209.93	Amps	103.43											



AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingenc
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE							
							pre10hs17.sav	pst10b_00.sav	pst10b_05.sav	pst10b_10.sav	pst10b_15.sav	pst10b_20.sav	pst10b_25.sav	pst10b_30.sav
	MPLAZA_T 115.00-NORTH 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps					102.13		100.79	
	MPLAZA_T 115.00-NORTH 115.00 #1 2	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps					102.13		100.79	
	NEWMAN 115.00-NEWMAN B 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	108.23	109.63	111.39	113.63	109.02	112.02	110.46
	NEWMAN_B 345.00-NEWMAN 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	107.4	108.69	110.28	112.29	108.3	110.95	109.31
	OJO 345.00-OJO 115.00 #1 0	Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46							
		Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.42							
	P.VALLEY 115.00-TODD CRE 115.00 #1 1	Open Xlfr FTUPTON 115.00/FTUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	104.7	104.63	104.56	104.54	104.39	104.4	104.49
	PARADISZ 115.00-MARIPOSA 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps					101.5			
	PINPK 230.00-PNPKAPS 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps	113.5				113.38			
	PNPKAPS 230.00-PINPK 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps		113.05		112.77		112.64	112.75	112.61
	RD_NIXON 230.00-MIDWAYBR 230.00 #1 1	Open Line B.SANDY 230.00-BEAVERC 230.00 #1	176	1209.93	1209.93	Amps	100.29							
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.61							
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.79							
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps	105.68							
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps		101.74	100.7					
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1209.93	1209.93	Amps	100.21							
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.27	125.62	124.06	122.33	120.68	118.57	116.54	116.04
		Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.69							
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.19							
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.35							
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.35							
		Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.13							
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.06							
		Open Xlfr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.7							
		Open Xlfr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.13							
		Open Xlfr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.13							
		Open Xlfr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.13							
		Open Xlfr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.91							
		Open Xlfr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.79							
		Open Xlfr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.97							
	RIO GRAN 115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65							
	ROCKISLD 115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.92							
	ROGERS 230.00-ROGSWAPA 230.00 #1 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps					102.37			
	ROGERS 230.00-ROGSWAPA 230.00 #2 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps					102.37			
	ROGSWAPA 230.00-ROGERS 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37			100.62	100.85	104.47	107.66	110.44
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps						102.51	105.08	
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	107.03	103.69	105.69	103.1	104.27	107.01	
	ROGSWAPA 230.00-ROGERS 230.00 #2 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37			100.62	100.85	104.47	107.66	110.44
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps						102.51	105.08	
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	107.03	103.69	105.69	103.1	104.27	107.01	
	S.JOSEPH 115.00-WESTMS 2 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	1616.58	1616.58	Amps	101.33	101.74	103.06	106.19		104.54		
	SANDIA_1 115.00-KAFB 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps	104.32	104.93	106.63	110.62	102.59	108.74		
	SHIPROCK 230.00-SHIPROCK 345.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA	105.04	104.09	102.96	101.67	100.89			
	SILVSADL 230.00-REUNION 230.00 #1 1	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps					100.07	101.26	102.24	
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps					100.07	101.26	102.24	
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.97			100.36	101.76	102.88	104.43	105.57
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.95			100.06	101.35	102.36	103.79	104.88
		Open Line FTUPTON 230.00-HENRYLAK 230.00 #1	262	818.33	818.33	Amps	107.55	104.41	105.51	106.69	108.01	109.01	110.46	111.57
		Open Line FTUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.68	110.64	111.83	113.13	114.58	115.68	117.26	118.42
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	263	818.33	818.33	Amps	106.43	103.35	104.54	105.84	107.26	108.38	109.94	111.1
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.13				100.8	101.68	102.98	104.02
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps						100.24	101.51	102.53
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.77	100.17	101.19	102.29	103.52	104.45	105.8	106.88
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	818.33	818.33	Amps								100.3
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps						100.7	102.05	103.11
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.37	102.22	103.31	104.5	105.81	106.81	108.25	109.35
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps						100.77	101.78	
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.87				100.54	101.42	102.72	103.75
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.88				100.55	101.43	102.73	103.76
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.2				100.92	101.8	103.12	104.17
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.32				101.04	101.93	103.25	104.3
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.4				101.13	102.01	103.33	104.38
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.04				100.03	100.97	102.32	103.38
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	818.33	818.33	Amps								100.43
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.7	100.37	101.43	102.61	103.92	104.88	106.33	107.47
		Open Line WASHINGTON 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.46	109.41	110.61	111.91	113.34	114.45	116.03	117.2
		Open Xlfr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.28			100.66	101.74	102.51	103.7	104.68
		Open Xlfr FTUPTON 115.00/FTUPTON 230.00 #T3	323	818.33	818.33	Amps	100.03					100.6	101.83	102.86
		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	800.76	853.47	Amps								101.51
	SPKHILTP 230.00-COOLIDGE 230.00 #1 1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	121.53	121.79	122.15	122.52	122.83	123.36	123.63
	VERDES 230.00-COCONINO 230.00 #1 1	Open Xlfr WALSENBG 230.00/WALSENBG 115.00 #2	341	100	100	MVA		107.9	104.29	100.51				
	WALSENBG 230.00-WALSENBG 115.00 #1 0	Open Xlfr WALSENBG 230.00/WALSENBG 115.00 #1	340	100	100	MVA		108.14	104.53	100.74				
	WALSE													

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingenc
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE							
							pre10hs17.sav	pst10b_00.sav	pst10b_05.sav	pst10b_10.sav	pst10b_15.sav	pst10b_20.sav	pst10b_25.sav	pst10b_30.sav
	WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps					100.38	103.24	106.69	110.55
	WINCHSTR 345.00-VAIL 345.00 #1 2	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1499.44	2024.91	Amps								101.42
	WINCHSTR 345.00-VAIL 345.00 #1 3	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps					100.38	103.24	106.69	110.55
	WRAY 230.00-WRAY 115.00 #1 0	Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	186	186	MVA				135.67	134.2	137.36	134.61	132.41
		Drop Generator at DJ GEN 2 16.00 #1, 500 MW Dropped	405	186	186	MVA					100.38	103.24	106.69	110.55
		Drop Generator at DJ GEN 3 16.00 #1, 500 MW Dropped	406	186	186	MVA							134.61	132.41
		Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	186	186	MVA				135.48	133.97	137.34	134.59	132.46
		Drop Generator at LR GEN 2 16.00 #1, 500 MW Dropped	410	186	186	MVA						137.34	134.59	132.46
		Drop Generator at LR GEN 3 16.00 #1, 500 MW Dropped	411	186	186	MVA								132.46
		Open Line ARCHER 345.00-STORY 345.00 #1	181	186	186	MVA				135.47	133.56	136.51	133.08	130.63
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	186	186	MVA		143.95		142.51	140.93	143.74	140.71	138.66
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	186	186	MVA					133.29	136.35	133.05	130.76
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	186	186	MVA					133.51	136.91	133.74	131.5
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	186	186	MVA							139.2	137.2
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	186	186	MVA			142.63	141.25	139.43	142.46	139.2	137.2
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	186	186	MVA			137.92	136.49	134.83	137.62	134.46	132.27
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	186	186	MVA						136.2	132.73	130.28
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	186	186	MVA			137.46	135.6	133.62	136.62	133.16	130.72
		Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	186	186	MVA						136.19	132.87	130.35
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	186	186	MVA								130.32
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	383	186	186	MVA								130.32
		Open Line LAMAR CO 230.00-LAMAR DC 230.00 #1	149	186	186	MVA			137.85					
		Open Line LAMAR CO 500.00-LAMAR DC 500.00 #1	392	186	186	MVA				135.84	134.24	137.15	133.95	131.44
		Open Line LAR.RIVR 230.00-STEGALL 230.00 #1	180	186	186	MVA			137.46	135.64	133.71	136.66	133.19	130.75
		Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	186	186	MVA			138.48	136.67	134.64	137.36	133.72	131.05
		Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	186	186	MVA						136.2	132.93	130.6
		Open Line N.YUMA 230.00-WRAY 230.00 #1	184	186	186	MVA			146.34	142.95	139.73	143	137.86	135.02
		Open Line PAWNEE 230.00-STORY 230.00 #1	158	186	186	MVA			138.06	135.78	133.72	136.33	132.73	
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	186	186	MVA								
		Open Line SIDNEY 230.00-STEGALL 230.00 #1	187	186	186	MVA			139.79		138.3	139.31	136.04	133.67
		Open Line STORY 345.00-ARCHER 345.00 #1	191	186	186	MVA				135.47	133.56	136.51	133.08	130.63
		Open Line STORY 230.00-PAWNEE 230.00 #1	306	186	186	MVA			138.06	135.78	133.72	136.33	132.73	
		Open Line WESTHILL 230.00-STEGALL 230.00 #1	179	186	186	MVA							132.71	130.25
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	186	MVA						139.03	141.25	143.59
		Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	186	186	MVA								130.23
		Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	186	186	MVA			138.31					
		Open Xfmr LAR.RIVR 500.00/LAR.RIVR 345.00 #1	399	186	186	MVA				135.39	133.53	136.71	132.9	
		Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	186	186	MVA			139.72	137.72	135.83	139.07	135.55	133.06

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10l_20.sav	pst10l_20sc5.sav	pst10l_20sc7.sav
APT TAP2	115.00-APT MEM 115.00 #1 1	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.57			
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	497.02	497.02	Amps		100.21	111.32	
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.68			
APT TAP2	115.00-DOT TAP 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	497.02	497.02	Amps		100.21	111.32	
AUSTIN_N	115.00-DYER 115.00 #1 1	Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63		100.67	100.64
BEAVERCK	115.00-B.CK PS 115.00 #1 1	Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	1601.52	1601.52	Amps				101.07
BEAVERCK	230.00-STORY 230.00 #1 1	Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	1109.52	1109.52	Amps			117.21	129.56
BIGGS	115.00-NEWMAN 115.00 #1 1	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27	101.91	102.31	102.3
BOONE	500.00-BOONE 230.00 #1 0	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	450	0	MVA			101.3	
BOONE	500.00-BOONE 230.00 #2 0	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	450	0	MVA			101.3	
COPPERVR	345.00-COPPERVR 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45	106.57	106.7	106.73
		Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	139.02	137.78	136.71
		Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38	105.73	103.94	102.45
		Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.3	138.43	137.19	136.12
		Open Line MORENCI 230.00-PD-MORNC 230.00 #1	51	200	224	MVA	100.59	100.64	100.69	100.7
DANIELPK	345.00-DANIELPK 230.00 #1 0	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	560	560	MVA		101.58	107.33	109.11
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	560	560	MVA		101.58	107.33	109.11
DAVEJOHN	230.00-LAR.RIVR 230.00 #1 1	Open Line DAVEJOHN 500.00-LAR.RIVR 500.00 #1	388	1109.52	1109.52	Amps				108.01
DOT TAP	115.00-BOONE 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	497.02	497.02	Amps		102.78	113.89	
EAST_TAP	115.00-LAWRNCET 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	798.25	Amps		102.22	102.25	102.02
FLAGSTAF	345.00-PINPKBRB 345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.02	138.98	133.37	128.97
FLAGSTAF	345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.8	136.49	130.98	126.66
FLAGSTAF	345.00-PINPKBRB 345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.81	Amps	102.32	114.67	110.04	106.41
FLAGSTAF	345.00-PINPKBRB 345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.79	136.49	130.98	126.65
FOURC1AA	100.00-FOURCORN 500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.01			
FOURCORN	345.00-FOURC1AA 100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.49			
FT.CRAIG	345.00-FT.CRAIG 500.00 #1 0	Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	840	1200	MVA				108.93
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	110.84	108.76	107.41
		Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.19	110.82	108.64	107.24
		Open Line B.SANDY 500.00-BOONE 500.00 #1	377	280	280	MVA		111.55	110.91	
		Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	113.16	110.88	109.4
		Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.25	113.97	111.7	110.2
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	280	280	MVA		111.59	110.81	
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	110.7	108.47	107.02
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	110.7	108.47	107.02
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.71	111.31	109.14	107.75
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	111.31	109.14	107.74
		Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	110.78	108.74	107.41
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	116.31	113.32	111.43
		Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.66	111.48	109.08	107.55
		Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	110.75	108.52	107.07
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	115.92	113.15	111.4
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	113.1	110.82	109.34
		Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	280	280	MVA			108.42	
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	110.97	108.91	107.58
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.85	111.69	109.72	108.44
		Open Line DANIELPK 230.00-BRICKCTR 230.00 #1	240	280	280	MVA		110.5	108.28	106.85
		Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.45	110.94	108.86	107.51
		Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	111.09	108.7	107.17
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22	111.14	108.55	
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	120.22	117.44	115.66
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	124.72	121.7	119.76
		Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93			106.91
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.96	120.03	117.02	115.11
		Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	113.88	110.74	108.85

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10l_20.sav	pst10l_20sc5.sav	pst10l_20sc7.sav
	FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	111.64	109.3	107.81
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.7	111.38	109.06	107.58
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	112.18	109.8	108.28
		Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	111.19	108.55	106.96
		Open Line GREENWD 230.00-MONACO12 230.00 #1	256	280	280	MVA	103.41	110.87	108.84	107.51
		Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	280	280	MVA			108.46	
		Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	110.61	108.44	107.03
		Open Line LAR.RIVR 500.00-PAWNEE 500.00 #1	414	280	280	MVA				106.97
		Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	280	280	MVA	103.27	110.73	108.7	107.37
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	103.89	112.22	109.18	107.36
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	105.72	114.07	111.02	109.19
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	112.22	109.18	107.36
		Open Line MEADOWHIL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	110.65	108.4	106.96
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	110.73	108.51	107.06
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA			108.32	106.93
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	110.98	108.98	107.69
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	116.5	113.46	111.6
		Open Line PAWNEE 230.00-STORY 230.00 #1	158	280	280	MVA			108.27	106.89
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	113.44	111.27	109.74
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	113.44	111.27	109.74
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	280	280	MVA		112.09	113.52	114.65
		Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	110.81	108.66	107.26
		Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	110.79	108.64	107.25
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	118.8	116.03	114.25
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06	110.63	108.38	106.87
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	113.56	111.29	109.8
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	111.23	108.92	107.44
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	111.59	109.26	107.77
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	111.6	109.26	107.77
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	103.66	111.34	109.02	107.54
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	111.36	109.04	107.56
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91		108.31	106.97
		Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	110.51	108.28	106.86
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	103.69	111.38	109.05	107.57
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	108.36	116.7	113.66	111.81
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	280	280	MVA	107.55	116.63	112.7	110.47
		Open Line STORY 230.00-PAWNEE 230.00 #1	306	280	280	MVA			108.27	106.89
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	126.74	122.71	120.39
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	124.01	120.99	119.05
		Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	111.22	109.03	107.64
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	110.53	108.31	106.9
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92	110.5	108.29	106.88
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92	110.5	108.29	106.88
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	113.56	111.35	109.92
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.29	111.98	109.73	108.3
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.28	111.97	109.72	108.29
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.11	110.69	108.5	107.1
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.11	110.69	108.5	107.1
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.11	110.69	108.5	107.1
		Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	111.26	109.08	107.7
		Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	280	280	MVA				106.87
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.01	110.62	108.37	106.94
		Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	111.86	109.75	108.41
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	110.83	108.81	107.53
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	110.64	108.42	106.99

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT						BASECASE			
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10l_20.sav	pst10l_20sc5.sav	pst10l_20sc7.sav
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	110.64	108.42	106.99
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	110.64	108.42	106.99
	Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.24	110.82	108.6	107.2
	Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.25	110.83	108.61	107.21
	Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	110.73	108.51	107.1
	Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.81	113.53	111.08	109.57
	Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.81	113.53	111.08	109.57
	Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	110.91	108.89	107.63
	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps		156.35	137.6	121.06
	Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps		130.21	119.6	107.26
GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	599.94	599.94	Amps		123.27	110.89	
	Open Line CF&FURN 230.00-COMANCHE 230.00 #1	145	599.94	599.94	Amps		125.14	112.43	
	Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	599.94	599.94	Amps		124.17	114.5	102.83
	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	599.94	599.94	Amps		164.73	180.5	
	Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	599.94	599.94	Amps		124.42	111.41	
	Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	599.94	599.94	Amps		124.47	111.43	
	Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	599.94	599.94	Amps			111.76	
	Open Line FOURCORN 500.00-FCW 500.00 #1	66	599.94	599.94	Amps			110.25	
	Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	599.94	599.94	Amps		121.8	110.68	
	Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	599.94	599.94	Amps		123.75	120.41	118.8
	Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	599.94	599.94	Amps		124.55	114.77	102.94
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	599.94	599.94	Amps		165.73	181.18	
	Open Line HIDALGO 345.00-GREENLEE 345.00 #1	99	599.94	599.94	Amps		120.56	109.62	
	Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	599.94	599.94	Amps		123.97	110.91	
	Open Line OJO 345.00-TAOS 345.00 #1	92	599.94	599.94	Amps		125.39	115.43	104.18
	Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	599.94	599.94	Amps		123.72	110.75	
	Open Line SAN JUAN 345.00-OJO 345.00 #1	358	599.94	599.94	Amps		145.64	136.3	124.73
	Open Line SAN JUAN 345.00-RIOPUERCO 345.00 #1	113	599.94	599.94	Amps			112.24	
	Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	599.94	599.94	Amps		127.24	114.41	100.52
	Open Line SPRINGER 345.00-CORONADO 345.00 #1	32	599.94	599.94	Amps		120.81	110.27	
	Open Line SPRINGER 500.00-SES 500.00 #1	383	599.94	599.94	Amps		120.84	112.52	104.18
	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	599.94	599.94	Amps			110.9	
	Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	599.94	599.94	Amps		125.47		
	Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps		131.77	121.98	109.1
	Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	599.94	599.94	Amps		138.4	123.54	103.67
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	200	200	MVA		106		
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	200	200	MVA		106		
GLADSTON 230.00-GLADSTON 115.00 #1 0									
GLADSTON 230.00-GLADSTON 115.00 #2 0									
GLENCANY 345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1680.17	Amps	122.75	137.81	132.13	127.67
GLENCANY 345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86	114.35	109.63	105.93
GLENCANY 345.00-FLAGSTAF 345.00 #2 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1680.17	Amps	122.53	137.59	131.91	127.45
GLENCANY 345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.67	114.17	109.45	105.75
GR 115.00-VISTA_# 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	152.4	153.08	153.06
GREEN-AE 345.00-GREEN-AE 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	109.01	109.16	109.19
	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	160.93	159.46	158.2
	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	160.61	159.14	157.88
	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.74	109.07	106.91	105.09
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	137.36	135.91	134.64
	Open Line RED TAIL 230.00-DOSCONDO 230.00 #1	55	150	193	MVA		100.01	100.12	100.14
	Open Line RED TAIL 230.00-DOSCONDO 230.00 #1	55	150	193	MVA		100.01	100.12	100.14
GUADLUPE 345.00-B-A 345.00 #1 1	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	1800.66	1800.66	Amps			121.36	
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	1800.66	1800.66	Amps			121.72	
JLGREEN 230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps		101.93		
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps		104.4		
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps		104.4		
	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps		101.75		
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100	112.42	105.83	101.51

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10l_20.sav	pst10l_20sc5.sav	pst10l_20sc7.sav
JLGREEN	230.00-FTLUPTON 230.00 #1 1	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	1242.56	1242.56	Amps		100.85		
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps		109.75	103.18	
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps		103.16		
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	1242.56	1242.56	Amps		101.13		
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps		104.88		
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps		104.95		
LAJUNTAW	115.00-LAJUNTAW 69.00 #1 0	Open Line DAVEJOHN 500.00-LAR.RIVR 500.00 #1	388	25	25	MVA				103.07
		Open Line LAMAR CO 230.00-LAMAR DC 230.00 #1	149	25	25	MVA				103.59
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	25	25	MVA				105.64
LAMAR CO	230.00-LAMAR CO 115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.02	111.32	112.59	110.42
		Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	100	100	MVA	112.11			
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.74	124.97	123.24	126.41
		Open Line B.SANDY 500.00-BOONE 500.00 #1	377	100	100	MVA		116.53	122.93	
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	100	100	MVA				110.46
		Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.9	123.26	124.45	122.28
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	100	100	MVA		118.49	120.99	
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.28			110.54
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.65	125.94	123.42	
		Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.06	114.04	115.14	114.08
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.32	114.24	115.74	114.72
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.66	115.89	115.42	
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	100	100	MVA				110.32
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.34	134.26	129.32	
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.03	115.04	115.95	116.52
		Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	100	100	MVA				111.36
		Open Line FTLUPTON 230.00-PAWNEE 230.00 #1	247	100	100	MVA		111.02		110.46
		Open Line FTLUPTON 230.00-PAWNEE 230.00 #2	248	100	100	MVA		111.02		110.46
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.22	111.31		110.59
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	113.99	112.27	113.49	111.19
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112	112.11	113.43	111.4
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112	112.11	113.43	111.4
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	100	100	MVA		111.25		110.15
		Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.53	126.82	129.05	126.88
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.89	112.19	113.56	111.06
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.92	112.22	113.59	111.09
		Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	100	100	MVA		111.19		
		Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	100	100	MVA				110.19
		Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	100	100	MVA		111.36	113.11	111.38
		Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	100	100	MVA		113.72	116.97	119.22
		Open Line LAR.RIVR 500.00-PAWNEE 500.00 #1	414	1599.85	1599.85	Amps		116.71	114.12	118.63
		LAR.RIVR 345.00-AULT 345.00 #1 1								
LAR.RIVR 345.00-LAR.RIVR 500.00 #1 0										
LAR.RIVR 500.00-LAR.RIVR 345.00 #1 0										
LUDLOTAP 115.00-WALSENBG 115.00 #1 1										
LUNA 345.00-LUNA 115.00 #1 0										
MIDWAYBR	230.00-RD_NIXON 230.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps	107.21		101.22	103
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps	102.82			
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	1209.93	1209.93	Amps			104.58	
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps	103.44			
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps	100.31			
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps	101.85			
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps	105.66			100.67
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps	110.61		102.57	105.02
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps	101.06			
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	1209.93	1209.93	Amps	103.41			
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps			100.52	

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst10l_20.sav	pst10l_20sc5.sav	pst10l_20sc7.sav		
MIDWAYBR 230.00-RD_NIXON 230.00 #1 1		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps			100.27			
		Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	1209.93	1209.93	Amps			100.65	104.53		
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps			100.17			
MURPHY 230.00-SMOKYHIL 230.00 #1 1		Open Line DANIELPK 230.00-SURREYRG 230.00 #1	235	853.47	853.47	Amps		100.01				
NEWMAN 115.00-NEWMAN_B 345.00 #1 0		Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	109.57	111.43	111.4		
NEWMAN_B 345.00-NEWMAN 345.00 #1 0		Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	108.65	110.29	110.26		
OJO 345.00-OJO 115.00 #1 0		Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46					
P.VALLEY 115.00-TODD CRE 115.00 #1 1		Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.43					
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	104.53	105.64	105.85		
PAWNEE 230.00-STORY 230.00 #1 1		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	1568.89	1568.89	Amps			114.21			
PAWNEE 500.00-PAWNEE 230.00 #1 0		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	1120	1792	MVA			102.26	143.32		
PNPKAPS 230.00-PINPK 230.00 #1 1		Open Line RACEWAY 500.00-PNPKAPS 500.00 #r1	109	1691.89	1998.13	Amps	113.5	114.39	113.63	113.31		
PORTLAND 115.00-W.STATON 115.00 #1 1		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	401.63	401.63	Amps		136.35				
RD_NIXON 230.00-MIDWAYBR 230.00 #1 1		Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	1209.93	1209.93	Amps	100.27					
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.6					
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.77					
		Open Line GLADSTON 230.00-WALSENGB 230.00 #1	115	1209.93	1209.93	Amps	100.19					
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.24	118.65	125.94	129.07		
		Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.57					
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.17			102.78		
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.33					
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.33					
		Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.11					
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.04					
		Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.68					
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.11					
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.11					
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.11					
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.89			102.47		
		Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.76					
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.93			102.5		
		RIO GRAN 115.00-MESA # 115.00 #1 1		Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65			
		ROCKISLD 115.00-KELKER W 115.00 #1 1		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.84			
ROGERS 230.00-ROGSWAPA 230.00 #1 1		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps			101.23			
ROGERS 230.00-ROGSWAPA 230.00 #2 1		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps			101.23			
ROGSWAPA 230.00-ROGERS 230.00 #1 1		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37	103.52				
ROGSWAPA 230.00-ROGERS 230.00 #2 1		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	102.82	100.68			
		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37	103.52				
SHIPROCK 230.00-SHIPROCK 345.00 #1 0		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	102.82	100.68			
		Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA			100.38	107.92		
SILVSADL 230.00-REUNION 230.00 #1 1		Open Line SPRINGR 500.00-SES 500.00 #1	383	300	300	MVA			100.38	102.11		
		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	818.33	818.33	Amps		102.51	103.08			
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps		103.04	101.98	100.19		
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps		103.04	101.97	100.18		
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.96	106.19	103.65	101.11		
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.94	105.52	103.32	100.99		
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.53	112.21	109.98	107.6		
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.67	119.05	116.47	113.84		
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	818.33	818.33	Amps		100.14				
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.41	111.72	109.15	106.57		
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.12	104.65	102.65	100.49		
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps		103.17	101.29			
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.75	107.49	105.25	102.96		
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	818.33	818.33	Amps		100.89				
		Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	818.33	818.33	Amps		100.12				

<b>AREA</b>	(All)
<b>ZONE</b>	(All)
<b>TYPE</b>	(All)
<b>NOTES</b>	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT						BASECASE				
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10l_20.sav	pst10l_20sc5.sav	pst10l_20sc7.sav	
SILVSADL 230.00-REUNION 230.00 #1 1	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps		103.7	101.38		
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.35	109.99	107.78	105.41	
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps		102.42	100.55		
	Open Line SKYRANCT 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.86	104.38	102.39	100.23	
	Open Line SKYRANCT 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.87	104.39	102.4	100.24	
	Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.18	104.76	102.66	100.45	
	Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.3	104.89	102.78	100.57	
	Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.39	104.98	102.87	100.66	
	Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.02	103.98	101.65		
	Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	818.33	818.33	Amps		100.97			
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.68	108.01	105.28	102.84	
	Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.44	117.83	115.24	112.61	
	Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.26	105.45	104.08	102.19	
	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.02	103.56	102.04	100.05	
	Open Xfmr REUNION 115.00/REUNION 230.00 #1	353	818.33	818.33	Amps		100.69			
	SPRINGER 115.00-GLADSTON 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps		286.77		
	SPRINGER 115.00-STORRIE 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	512.08	512.08	Amps		104.09		
STEGALL 230.00-SIDNEY 230.00 #1 1	Open Line LAR.RIVR 500.00-PAWNEE 500.00 #1	414	800.76	800.76	Amps		105.28	105.7	110.67	
STORY 230.00-PAWNEE 230.00 #1 1	Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	1568.89	1568.89	Amps				136.44	
VERDE S 230.00-COCONINO 230.00 #1 1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	123.23	122.93	122.67	
W CANON 230.00-MIDWAYBR 230.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	599.94	599.94	Amps		113.76	120.98		
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps		111.16			
WALSENBG 230.00-COMANCHE 230.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	1114.54	1114.54	Amps		123.89	128.94		
WALSENBG 230.00-WALSENBG 115.00 #1 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #2	341	100	100	MVA				100.48	
WALSENBG 230.00-WALSENBG 115.00 #2 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #1	340	100	100	MVA				100.71	



AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

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	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT		CONTINGENCY				BASECASE			
OVERLOADED ELEMENT		NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10r_20.sav	pst10r_20sc5.sav	pst10r_20sc7.sav
APT TAP2 115.00-APT MEM 115.00 #1 1	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.57			
	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.68			
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	497.02	497.02	Amps		100.33	103.79	106.2
AULT 345.00-LAR.RIVR 345.00 #1 1	Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	1599.85	1599.85	Amps		111.16		
	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	1599.85	1599.85	Amps			114.49	116.69
AUSTIN_N 115.00-DYER 115.00 #1 1	Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63		100.5	100.93
	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	783.19	783.19	Amps				103.47
B-A 115.00-ENCHNTED 115.00 #1 1	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	783.19	783.19	Amps				103.19
	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	150	193	MVA		105.67	106.32	106.35
BICKNELL 345.00-BICKNELL 230.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27	101.56	101.93	102.12
BIGGS 115.00-NEWMAN 115.00 #1 1	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45	106.15	106.26	106.29
COPPERVR 345.00-COPPERVR 230.00 #1 0	Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	135.76	133.79	132
	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38			
	Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.3	135.18	133.21	131.42
	Open Line MORENCI 230.00-PD-MORNC 230.00 #1	51	200	224	MVA	100.59	100.48	100.52	100.53
	Open Xfmr DANIELPK 230.00-DANIELPK 345.00 #2	320	560	560	MVA		100.61	100.22	
DANIELPK 345.00-DANIELPK 230.00 #1 0	Open Xfmr DANIELPK 230.00-DANIELPK 345.00 #3	321	560	560	MVA		100.61	100.22	
	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	798.25	Amps	102.6			101.23
EAST TAP 115.00-LAWRNCET 115.00 #1 1	Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	200	0	MVA		106.31	100.34	
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	0	MVA		212.11	271.27	311.31
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	0	MVA		110.69	104.85	
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	200	0	MVA		124.11	111.3	
	Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	200	0	MVA		107.43	105.07	100.53
EGYCNTR 230.00-EGYCNTR 500.00 #2 0	Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	200	0	MVA		106.31	100.34	
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	0	MVA		212.11	271.27	311.31
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	0	MVA		110.69	104.85	
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	200	0	MVA		124.11	111.3	
	Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	200	0	MVA		107.43	105.07	100.53
EGYCNTR 230.00-LAMAR CO 230.00 #1 1	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	1538.01	1538.01	Amps				101.26
EGYCNTR 500.00-EGYCNTR 230.00 #1 0	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	200	0	MVA		107.39	105.08	100.65
	Open Line LAMAR CO 230.00-LAMAR DC 230.00 #1	149	200	0	MVA		104.19		
EGYCNTR 500.00-EGYCNTR 230.00 #2 0	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	200	0	MVA		107.39	105.08	100.65
	Open Line LAMAR CO 230.00-LAMAR DC 230.00 #1	149	200	0	MVA		104.19		
FLAGSTAF 345.00-PINPKBRB 345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.02	140.05	135.3	131.96
FLAGSTAF 345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.8	137.54	132.88	129.59
FLAGSTAF 345.00-PINPKBRB 345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.81	Amps	102.32	115.56	111.64	108.88
FLAGSTAF 345.00-PINPKBRB 345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.79	137.54	132.87	129.59
FOURC1AA 100.00-FOURCORN 500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.01			
FOURCORN 345.00-FOURC1AA 100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.49			
FT.CRAIG 345.00-FT.CRAIG 500.00 #1 0	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	840	1200	MVA				102.13
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	110.76	109.51	108.41
	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.19	110.65	109.38	108.26
	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	113.11	111.78	110.61
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.25	113.92	112.59	111.42
	Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	110.56	109.27	108.13
	Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	110.56	109.27	108.13
	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.71	111.22	109.94	108.82
	Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	111.21	109.94	108.82
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	280	280	MVA	110.56	110.56	109.84	109.25
	Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	110.69	109.44	108.33
	Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	116.1	114.52	113.13
	Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.66	111.31	109.99	108.84
	Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	110.6	109.29	108.14
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	115.75	114.26	112.96
	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	113.06	111.72	110.55
	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	280	280	MVA				108.18
	Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	110.73	109.51	108.44
	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.85	111.3	110.11	109.05
	Open Line DANIELPK 230.00-BRICKCTR 230.00 #1	240	280	280	MVA		110.38		
	Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.45	110.86	109.61	108.51
	Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	110.92	109.6	108.45
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22	111.52	110.17	109.01
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	120.07	118.57	117.26
	Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	124.56	122.95	121.55
	Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93			
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	280	280	MVA			109.44	

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE				
							pre10hs17.sav	pst10r_20.sav	pst10r_20sc5.sav	pst10r_20sc7.sav	
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.96	119.84	118.24	116.85	
		Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	113.29	111.86	110.58	
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	111.54	110.25	109.1	
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.7	111.27	109.98	108.85	
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	112.08	110.77	109.62	
		Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	111.09	109.78	108.63	
		Open Line GREENWD 230.00-MONACOT2 230.00 #1	256	280	280	MVA	103.41	110.81	109.56	108.45	
		Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	280	280	MVA				108.2	
		Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	110.51	109.23	108.11	
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	280	280	MVA		111.73	111.33	111.01	
		Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	280	280	MVA		110.5	110	109.44	
		Open Line LEETSDAL 230.00-MONACOT2 230.00 #1	263	280	280	MVA	103.27	110.66	109.41	108.31	
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	103.89	112.15	110.67	109.38	
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	105.72	114	112.51	111.21	
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	112.15	110.67	109.38	
		Open Line MEADOWHIL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	110.53	109.26	108.14	
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	110.56	109.25	108.11	
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	110.89	109.66	108.58	
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	116.44	114.94	113.64	
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	113.42	112.04	110.83	
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	113.42	112.04	110.83	
		Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	110.73	109.47	108.36	
		Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	110.71	109.46	108.34	
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	118.65	117.15	115.84	
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06	110.46	109.17	108.03	
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	113.52	112.19	111.02	
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	111.13	109.84	108.71	
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	111.5	110.2	109.06	
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	111.5	110.2	109.06	
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	103.66	111.23	109.94	108.81	
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	111.25	109.96	108.82	
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91				
		Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	110.4	109.14	108.02	
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	103.69	111.26	109.97	108.84	
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	108.36	116.64	115.14	113.84	
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	296	280	280	MVA	107.55	116.68	115	113.53	
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	126.81	125.08	123.57	
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	123.84	122.23	120.83	
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	280	280	MVA		110.97	110.7	110.45	
		Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	111.13	109.88	108.77	
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	110.43	109.17	108.06	
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92	110.4	109.14	108.02	
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92	110.4	109.14	108.02	
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	113.53	112.25	111.11	
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.29	112.03	110.75	109.61	
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.28	112.02	110.74	109.6	
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.11	110.58	109.33	108.22	
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.11	110.58	109.33	108.22	
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.11	110.58	109.33	108.22	
		Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	111.21	109.96	108.85	
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.01	110.51	109.25	108.13	
		Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	111.85	110.61	109.5	
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	110.74	109.51	108.42	
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	110.53	109.26	108.13	
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	110.53	109.26	108.13	
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	110.53	109.26	108.13	
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.24	110.71	109.47	108.36	
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.25	110.72	109.48	108.37	
		Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	110.63	109.38	108.27	
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.81	113.5	112.22	111.09	
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.81	113.5	112.22	111.09	
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	110.83	109.6	108.52	
		Gladston 115.00-SPRINGER 115.00 #1 1	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	599.94	599.94	Amps		117.22		
			Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps		148.72	116.89	
			Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps		123.79	102.62	
			Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	599.94	599.94	Amps		117.31		

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT		CONTINGENCY				BASECASE				
OVERLOADED ELEMENT		NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10r_20.sav	pst10r_20sc5.sav	pst10r_20sc7.sav	
GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	599.94	599.94	Amps		117.05			
	Open Line CF&IFURN 230.00-COMANCHE 230.00 #1	145	599.94	599.94	Amps		118.9			
	Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	599.94	599.94	Amps		116.95			
	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	599.94	599.94	Amps		162.11	167.01	171.45	
	Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	599.94	599.94	Amps		118.21			
	Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	599.94	599.94	Amps		118.26			
	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	599.94	599.94	Amps		119.25	105.17		
	Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	599.94	599.94	Amps		117.4			
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	599.94	599.94	Amps		163.16	167.74	171.98	
	Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	599.94	599.94	Amps		116.62	102.98		
	Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	599.94	599.94	Amps		117.74			
	Open Line OJO 345.00-TAOS 345.00 #1	92	599.94	599.94	Amps		120.53	101.63		
	Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	599.94	599.94	Amps		117.49			
	Open Line SAN_JUAN 345.00-OJO 345.00 #1	358	599.94	599.94	Amps		141.72	124.18	111.44	
	Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	599.94	599.94	Amps		120.99			
	Open Line WINCHSTR 345.00-VAIL 345.00 #1	37	599.94	599.94	Amps		114.77			
	Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps		121.06			
	Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	599.94	599.94	Amps		130	101.95		
	GLADSTON 230.00-GLADSTON 115.00 #1 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	200	200	MVA		105.11	107.4	
	GLADSTON 230.00-GLADSTON 115.00 #2 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	200	200	MVA		105.11	107.4	
GLENCANY 345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1680.17	Amps	122.75	138.86	134.04	130.65	
GLENCANY 345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86	115.22	111.22	108.41	
GLENCANY 345.00-FLAGSTAF 345.00 #2 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1680.17	Amps	122.53	138.64	133.82	130.43	
GLENCANY 345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.67	115.04	111.04	108.22	
GR 115.00-VISTA # 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	151.58	151.84	151.6	
GREEN-AE 345.00-GREEN-AE 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	108.55	108.67	108.7	
	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	157.07	154.77	152.68	
	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	156.73	154.44	152.35	
	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.74				
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	133.48	131.15	129	
GUADLUPE 345.00-B-A 345.00 #1 1	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	1800.66	1800.66	Amps			113.36	122.93	
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	1800.66	1800.66	Amps			113.77	123.26	
JLGREEN 230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps		101.25			
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps		103.72	101.13		
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps		103.34	100.49		
	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps		101.07			
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100	111.39	108.53	106.21	
	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	1242.56	1242.56	Amps		100.02			
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps		108.72	105.86	103.55	
	Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps		102.48			
	Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	1242.56	1242.56	Amps		100.3			
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps		104.12	101.27		
	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps		104.08	101.55		
	LAJUNTAW 115.00-LAJUNTAW 69.00 #1 0	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	25	25	MVA			107.45	115.5
	LAMAR CO 230.00-LAMAR CO 115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.02			
	Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	100	100	MVA	112.11				
	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.74				
	Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.9				
	Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.28				
	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.65				
	Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.06				
	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.32				
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.66				
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.34	115.4	111.22	109.4	
	Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.03				
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	100	100	MVA		106.23	109.03		
	Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.22				
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	100	100	MVA		126.12	128.57	130.32	
	Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	113.99				
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112				
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112				
	Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.53	111.95	109.69	108.85	
	Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.89				
	Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.92				
	Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	100	100	MVA		106.77	103.52	101.35	
LAR.RIVR 345.00-AULT 345.00 #1 1	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	1599.85	1599.85	Amps		113.21			

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10r_20.sav	pst10r_20sc5.sav	pst10r_20sc7.sav
	LAR_RIVR 500.00-LAR_RIVR 345.00 #1 0	Open Line LAR_RIVR 500.00-WRAY 500.00 #1	389	840	1200	MVA		105.14	109.96	113.03
	LUDLOTAP 115.00-WALSENBG 115.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	350.93	350.93	Amps		107.37	107.92	110.3
	LUNA 345.00-LUNA 115.00 #1 0	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	224	224	MVA				
	MIDWAYBR 230.00-RD_NIXON 230.00 #1 1	Open Line B_SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps		100.16		
		Open Line B_SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps				
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps				
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps				
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps				
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps				
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps				
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps				
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	1209.93	1209.93	Amps		101.5		
		Open Line GREENVAL 230.00-B_SANDY 230.00 #1	141	1209.93	1209.93	Amps				
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	1209.93	1209.93	Amps		103.45	104.87	105.89
	N_YUMA 230.00-WRAY 230.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	705.37	705.37	Amps				103.08
	NEWMAN 115.00-NEWMAN_B 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	107.22	106.42	103.57
	NEWMAN_B 345.00-NEWMAN 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	106.42	105.5	102.69
	OJO 345.00-OJO 115.00 #1 0	Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46			
		Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.43			
	P_VALLEY 115.00-TODD CRE 115.00 #1 1	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	103.83	103.84	103.94
	PINPK 230.00-PNPKAPS 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps			111.72	
	PNPKAPS 230.00-CACTUS 230.00 #1 1	Open Line PNPKAPS 230.00-OCOTILLO 230.00 #1	15	931.29	1157.21	Amps		120.55		
	PNPKAPS 230.00-PINPK 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps	113.5	112.73		111.23
	PRESCOTT 230.00-WILOWLKW 230.00 #1 1	Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	672.99	672.99	Amps				109.1
	RD_NIXON 230.00-MIDWAYBR 230.00 #1 1	Open Line B_SANDY 230.00-BEAVERCK 230.00 #1	176	1209.93	1209.93	Amps	100.27			
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.6			
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.77			
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps		102.83	102.8	102.96
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1209.93	1209.93	Amps	100.19			
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.24	124.77	125.17	125.65
		Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.57			
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.17			
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.33			
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.33			
		Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.11			
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.04			
		Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.68			
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.11			
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.11			
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.11			
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.89			
		Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.76			
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.93			
	RIO GRAN 115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65			
	ROCKISLD 115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.84			
	ROGERS 230.00-ROGSWAPA 230.00 #1 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps			105.53	
	ROGERS 230.00-ROGSWAPA 230.00 #2 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps			105.53	
	ROGSWAPA 230.00-ROGERS 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37	108.59	108.04	107.39
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	106.33		104.75
	ROGSWAPA 230.00-ROGERS 230.00 #2 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37	108.59	108.04	107.39
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	106.33		104.75
	SHIPROCK 230.00-SHIPROCK 345.00 #1 0	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	300	300	MVA				105.81
		Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	300	300	MVA				101.62
		Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA			103.39	111.31
	SILVSADL 230.00-REUNION 230.00 #1 1	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	818.33	818.33	Amps		101.82		
		Open Line B_SANDY 230.00-125ROAD 230.00 #1	177	818.33	818.33	Amps		100.24		
		Open Line BUCKLY12 230.00-SMOKYHIL 230.00 #1	224	818.33	818.33	Amps		100.8		
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps		105.45	103.14	101.39
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps		105.45	103.14	101.39
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	818.33	818.33	Amps		100.29		
		Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	818.33	818.33	Amps		100.76		
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.96	108.35	105.65	103.57
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.94	107.73	105.17	103.22
		Open Line CLARK 230.00-JORDAN 230.00 #1	233	818.33	818.33	Amps		100.15		
		Open Line CORONA 500.00-FT CRAIG 500.00 #2	395	818.33	818.33	Amps		100.17		
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	818.33	818.33	Amps		100.45		

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT		CONTINGENCY				BASECASE			
OVERLOADED ELEMENT		NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10r_20.sav	pst10r_20sc5.sav	pst10r_20sc7.sav
SILVSADL 230.00-REUNION 230.00 #1 1	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	818.33	818.33	Amps	101.7	101.7		
	Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	818.33	818.33	Amps	102.19	100.02		
	Open Line DENVTM 230.00-WESTPS 230.00 #1	243	818.33	818.33	Amps	100.14			
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	818.33	818.33	Amps	101.44			
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.53	114.41	111.84	109.88
	Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.67	121.2	118.48	116.39
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	818.33	818.33	Amps		103.47	103.27	
	Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.41	113.87	111.16	109.07
	Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.12	107.13	104.72	102.9
	Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps		105.63	103.26	101.47
	Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.75	110.03	107.54	105.66
	Open Line GREENWD 230.00-MONACO12 230.00 #1	256	818.33	818.33	Amps		102.49	100.31	
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	818.33	818.33	Amps		100.25		
	Open Line HOMESTEAD 230.00-MURPHY 230.00 #1	296	818.33	818.33	Amps		100.14		
	Open Line JEWELL2 230.00-LEETSDAL 230.00 #1	259	818.33	818.33	Amps		100.25		
	Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	818.33	818.33	Amps		101.51		
	Open Line JORDAN 230.00-ORCHARD 230.00 #1	261	818.33	818.33	Amps		100.32		
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	818.33	818.33	Amps		106.68	106.63	106.63
	Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	818.33	818.33	Amps		101.8		
	Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	818.33	818.33	Amps		101.31		
	Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	818.33	818.33	Amps		103.28	100.83	
	Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	818.33	818.33	Amps		101.31		
	Open Line LOOKOUT 230.00-RIDGE 230.00 #1	266	818.33	818.33	Amps		100.88		
	Open Line LOOKOUT 230.00-WESTPS 230.00 #1	267	818.33	818.33	Amps		100.52		
	Open Line MEADOWHL 230.00-ORCHARD 230.00 #1	269	818.33	818.33	Amps		101.2		
	Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	818.33	818.33	Amps		102.38	100.08	
	Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	818.33	818.33	Amps		100.2		
	Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	818.33	818.33	Amps		100.79		
	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps		106.09	103.63	101.76
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	818.33	818.33	Amps		100.67		
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	818.33	818.33	Amps		100.67		
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.35	112.19	109.63	107.67
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps		104.88	102.51	100.73
	Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.86	106.87	104.46	102.64
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.87	106.88	104.47	102.65
	Open Line SMOKYHIL 230.00-MURPHY 230.00 #1	282	818.33	818.33	Amps		100.17		
	Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.18	107.19	104.78	102.96
	Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.3	107.32	104.9	103.08
	Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.39	107.4	104.99	103.17
	Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.02	106.36	103.9	102.03
	Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	818.33	818.33	Amps		103.46	100.89	
	Open Line VALMONT 230.00-SIMMS 230.00 #1	292	818.33	818.33	Amps		100.27		
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.68	110.52	107.94	106
	Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.44	119.97	117.25	115.16
	Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.26	108.02	105.72	103.97
	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.02	105.88	103.6	101.87
	Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	818.33	818.33	Amps		100.31		
	Open Xfmr REUNION 115.00/REUNION 230.00 #1	353	818.33	818.33	Amps		103	100.79	
	Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	818.33	818.33	Amps		100.63		
SPRINGER 115.00-GLADSTON 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	599.94	599.94	Amps		286.82	294.91	
SPRINGER 115.00-STORRIE 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	512.08	512.08	Amps		103.81	105.01	
SPRINGER 115.00-YORKCANY 115.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	330.85	330.85	Amps		100.5		
STEGALL 230.00-SIDNEY 230.00 #1 1	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	800.76	800.76	Amps		103.83	109.45	114.43
VERDE S 230.00-COCONINO 230.00 #1 1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	123.42	123.13	122.91
W CANON 230.00-MIDWAYBR 230.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	599.94	599.94	Amps		108.93	108.06	
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	599.94	599.94	Amps		110.07	108.23	108.08
WALSENBG 230.00-COMANCHE 230.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	1114.54	1114.54	Amps		123.18	125.37	127.75
WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line SPRINGER 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps		105.25	111.49	114.03
	Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps			106.22	122.04
WINCHSTR 345.00-VAIL 345.00 #1 2	Open Line SPRINGER 345.00-VAIL2 345.00 #1	34	1499.44	2024.91	Amps			102.27	104.61
	Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1499.44	2024.91	Amps				111.95
WINCHSTR 345.00-VAIL 345.00 #1 3	Open Line SPRINGER 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps		105.25	111.49	114.03
	Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps			106.22	122.04
WRAY 230.00-N.YUMA 230.00 #1 1	Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	705.37	705.37	Amps				105.29
WRAY 230.00-WRAY 115.00 #1 0	Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	0	MVA			110.39	121.03

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10b_30.sav	pst10b_30sc5.sav	pst10b_30sc7.sav
APT TAP2 115.00-APT MEM 115.00 #1 1		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.57			
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.68			
AULT 345.00-LAR.RIVR 345.00 #1 1		Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	1599.85	1599.85	Amps		106.79		
		Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	1599.85	1599.85	Amps		103.21		
AUSTIN_N 115.00-DYER 115.00 #1 1		Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63		101.28	
		Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	448	448	MVA		101.41		
B-A 345.00-B-A 115.00 #1 0		Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	150	193	MVA		105.75	105.79	105.41
BICKNELL 345.00-BICKNELL 230.00 #1 0		Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27		102.37	101.18
BIGGS 115.00-NEWMAN 115.00 #1 1		Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45		106.22	106.12
COPPERVR 345.00-COPPERVR 230.00 #1 0		Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	134.39	130.34	127.28
		Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38			
DANIELPK 345.00-DANIELPK 230.00 #1 0		Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.3	133.81	129.76	126.71
		Open Line MORENCI 230.00-PD-MORNC 230.00 #1	51	200	224	MVA	100.59	100.56	100.5	100.46
EGYCNR 230.00-EGYCNR 500.00 #1 0		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	560	560	MVA		100.31	100.24	100.27
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	560	560	MVA		100.31	100.24	100.27
EGYCNR 230.00-EGYCNR 500.00 #2 0		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	0	MVA		117.56	106.04	
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	0	MVA		167.37	173.55	164.95
EGYCNR 230.00-EGYCNR 500.00 #2 0		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	0	MVA		103.35		
		Open Line EGYCNR 500.00-BOONE 500.00 #1	202	200	0	MVA		115.6		
FLAGSTAF 345.00-PINPKBRB 345.00 #1 1		Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	0	MVA		117.56	106.04	
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	0	MVA		167.37	173.55	164.95
FLAGSTAF 345.00-PINPKBRB 345.00 #1 2		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	0	MVA		103.35		
		Open Line EGYCNR 500.00-BOONE 500.00 #1	202	200	0	MVA		115.6		
FLAGSTAF 345.00-PINPKBRB 345.00 #2 1		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.02		134.27	129.24
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.8		138.89	131.86
FLAGSTAF 345.00-PINPKBRB 345.00 #2 2		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.97	Amps	102.32		116.68	106.62
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.79		138.89	131.86
FOURC1AA 100.00-FOURCORN 500.00 #1 0		Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.01			
FOURCORN 345.00-FOURC1AA 100.00 #1 0		Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.49			
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	110.64	108.8	107.5
		Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.19	110.64	108.74	107.4
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line B.SANDY 500.00-BOONE 500.00 #1	377	280	280	MVA		111.1	109.65	108.44
		Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	112.96	110.99	109.6
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.25	113.76	111.79	110.4
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	110.53	108.59	107.22
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	110.53	108.59	107.22
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.71	111.12	109.23	107.89
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	111.12	109.23	107.89
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	280	280	MVA		110.48	108.83	107.56
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	110.56	108.73	107.43
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	116.17	113.78	112.09
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.66	111.33	109.34	107.95
		Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	110.58	108.63	107.26
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	115.77	113.53	111.95
		Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	112.89	110.92	109.53
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	110.78	109	107.74
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.85	111.48	109.75	108.51
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line DANIELPK 230.00-BRICKCTR 230.00 #1	240	280	280	MVA		110.33		
		Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.45	110.74	108.9	107.6
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	110.94	108.96	107.57
		Open Line EGYCNR 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22	110.69	108.47	
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	120.06	117.79	116.2
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	124.57	122.12	120.41
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93			
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.96	119.88	117.46	115.77
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	113.87	111.59	109.96
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	111.48	109.54	108.17
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.7	111.21	109.28	107.92
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	112.01	110.05	108.66
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	111.07	109.1	107.7
		Open Line GREENWD 230.00-MONACO12 230.00 #1	256	280	280	MVA	103.41	110.65	108.82	107.52
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0		Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	110.42	108.53	107.18
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	280	280	MVA		111.36	109.33	107.82

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10b_30.sav	pst10b_30sc5.sav	pst10b_30sc7.sav
	FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	280	280	MVA	103.27	110.33	109.05	107.75
		Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	280	280	MVA	103.89	110.51	108.67	107.37
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	105.72	112.13	109.91	108.35
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	103.89	113.97	111.73	110.17
		Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	112.13	109.91	108.35
		Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	110.48	108.58	107.23
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	110.53	108.58	107.21
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA	103.58	110.77	108.47	107.16
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	108.16	110.77	108.99	107.74
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	105.55	116.39	114.15	112.58
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	113.21	111.1	109.62
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	113.21	111.1	109.62
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	280	280	MVA	103.26	111.71	110.54	109.42
		Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.24	110.62	108.74	107.41
		Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	110.18	110.61	108.73	107.39
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	103.06	118.65	116.38	114.79
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	105.85	110.39		
		Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	103.56	113.36	111.39	110
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.9	111.07	109.14	107.78
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	111.43	109.49	108.12
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	111.43	109.49	108.12
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	102.91	111.18	109.25	107.88
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	102.91	111.2	109.27	107.9
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.92			
		Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	103.69	110.33	108.45	107.12
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	108.36	111.21	109.28	107.92
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	107.55	116.59	114.35	112.78
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	280	280	MVA	107.55	116.6	114.06	112.27
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	126.7	124.07	122.23
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	123.86	121.42	119.71
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	280	280	MVA	103.65	110.49	108.89	107.62
		Open Xfmr ARAPAHOB 115.00/ARAPAOE 230.00 #T5	311	280	280	MVA	103.65	111.03	109.17	107.85
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	110.35	108.47	107.14
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92	110.32		
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92	110.32		
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	113.35	111.45	110.1
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.29	111.75	109.87	108.52
		Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.28	111.74	109.86	108.51
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.11	110.51	108.64	107.31
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.11	110.51	108.64	107.31
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.11	110.51	108.64	107.31
		Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	111.07	109.21	107.89
		Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	280	280	MVA				107.12
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.01	110.44	108.55	107.2
		Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	111.63	109.8	108.5
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	110.62	108.84	107.59
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	110.46	108.55	107.2
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	110.46	108.55	107.2
		Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	110.46	108.55	107.2
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.24	110.64	108.78	107.46
		Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.25	110.65	108.79	107.47
		Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	110.56	108.7	107.38
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.81	113.38	111.45	110.09
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.81	113.38	111.45	110.09
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	110.7	108.94	107.68
	GLADSTON 115.00-CLAPHAM 115.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	601.95	601.95	Amps		106.91		
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	601.95	601.95	Amps		102.9		
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	601.95	601.95	Amps		102.9		
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	601.95	601.95	Amps		108.88		
	GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps		149.07	111.76	
		Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps		128.6	101.16	
		Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	599.94	599.94	Amps		121.24		
		Open Line CF&IFURN 230.00-COMANCHE 230.00 #1	145	599.94	599.94	Amps		122.59		

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency
At least a 3% decrease from previous case
Change of less than +/- 3% from previous case
At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE					
							pre10hs17.sav	pst10b_30.sav	pst10b_30sc5.sav	pst10b_30sc7.sav		
GLADSTON	115.00-SPRINGER 115.00 #1 1	Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	599.94	599.94	Amps		123.67				
		Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	599.94	599.94	Amps		131.43		100.7		
		Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	599.94	599.94	Amps		131.43		100.7		
		Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	599.94	599.94	Amps		122.33				
		Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	599.94	599.94	Amps		122.38				
		Open Line FT.CRAIG 345.00-ARROYO 345.00 #1	369	599.94	599.94	Amps		120.09				
		Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	599.94	599.94	Amps		125.42		100.45		
		Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	599.94	599.94	Amps		123.45				
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	599.94	599.94	Amps		123.99				
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps		145.47		108.99		
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	599.94	599.94	Amps		145.47		108.99		
		Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	599.94	599.94	Amps		128.05				
		Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	599.94	599.94	Amps		128.05				
		Open Line HIDALGO 345.00-GREENLEE 345.00 #1	99	599.94	599.94	Amps		119.17				
		Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	599.94	599.94	Amps		122.24				
		Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	599.94	599.94	Amps		121.89				
		Open Line OJO 345.00-TAOS 345.00 #1	92	599.94	599.94	Amps		122.87				
		Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	599.94	599.94	Amps		121.66				
		Open Line SAN_JUAN 345.00-OJO 345.00 #1	358	599.94	599.94	Amps		143.05		120.96		
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	599.94	599.94	Amps		124.61				
		Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	599.94	599.94	Amps		119.82				
		Open Line SPRINGR 500.00-SES 500.00 #1	383	599.94	599.94	Amps		119.91				
		Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	599.94	599.94	Amps		120.72				
		Open Line WINCHSTR 345.00-VAIL 345.00 #1	37	599.94	599.94	Amps		119.77				
		Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	599.94	599.94	Amps		123.58				
		Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps		128.3				
		Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	599.94	599.94	Amps		135.84				
		GLENCANY	345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1999.97	Amps	103.13	117.79	111.7	107.43
		GLENCANY	345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86	116.33	110.32	106.11
		GLENCANY	345.00-FLAGSTAF 345.00 #2 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1680.17	Amps	122.53	139.99	132.74	127.65
		GLENCANY	345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.67	116.15	110.14	105.92
		GR	115.00-VISTA # 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	152.88	152.12	149.48
		GREEN-AE	345.00-GREEN-AE 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	108.77	108.62	108.51
				Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	155.46	150.74	147.18
				Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	155.13	150.4	146.84
				Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.74			
				Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	131.88	127.01	123.35
				JLGREEN	230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps		102.26
				Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps		104.72		100.63
				Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps		104.87		100.29
				Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps		102.07		
				Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100	112.87	108.25	105.19
				Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	1242.56	1242.56	Amps		101.34		
				Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps		110.21	105.61	102.55
				Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps		103.48		
				Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	1242.56	1242.56	Amps		101.62		
				Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps		105.4		100.84
				Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps		105.32	101.25	
LAMAR CO	230.00-LAMAR CO 115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.02					
		Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	100	100	MVA	112.11					
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.74	101.4				
		Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.9					
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.28					
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.65	101.86				
		Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.06					
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.32					
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.66					
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.34	106.85	100.33			
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.03					
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.22					
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	100	100	MVA		121.79		113.96		
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	113.99					
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112					



AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

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At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	pst10b_30.sav	pst10b_30sc5.sav	pst10b_30sc7.sav
	LAMAR CO 230.00-LAMAR CO 115.00 #1 0	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112			
		Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.53	111.24	109.39	109.23
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.89			
		Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.92			
		Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	100	100	MVA		108.56	104.39	102.21
	LAR_RIVR 345.00-AULT 345.00 #1 1	Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	1599.85	1599.85	Amps	100.96			
	LAR_RIVR 500.00-LAR_RIVR 345.00 #1 0	Open Line LAR_RIVR 500.00-WRAY 500.00 #1	389	840	1200	MVA	103.83			
	LUNA 345.00-LUNA 115.00 #1 0	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	224	224	MVA	103.32			
	MIDWAYBR 230.00-RD_NIXON 230.00 #1 1	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps	107.21			
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps	102.82			
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps	103.44			
		Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps	100.31			
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps	101.85			
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps	105.66			
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps	110.61			
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps	101.06			
		Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	1209.93	1209.93	Amps	103.41			
	NEWMAN 115.00-NEWMAN B 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	110.46	106.62	103.59
	NEWMAN B 345.00-NEWMAN 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	109.31	105.64	102.74
	OJO 345.00-OJO 115.00 #1 0	Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46			
		Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.43			
	P_VALLEY 115.00-TODD CRE 115.00 #1 1	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	104.49	104.52	104.61
	PNPKAPS 230.00-PINK 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps	113.5	112.61	111.9	111.59
	RD_NIXON 230.00-MIDWAYBR 230.00 #1 1	Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	1209.93	1209.93	Amps	100.27			
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.6			
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.77			
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1209.93	1209.93	Amps	100.19			
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.24	116.04	118.48	120.62
		Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.57			
		Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.17			
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.33			
		Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.33			
		Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.11			
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.04			
		Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.68			
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.11			
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.11			
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.11			
		Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.89			
		Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.76			
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.93			
	RIO GRAN 115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65			
	ROCKISLD 115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.84			
	ROGERS 230.00-ROGSWAPA 230.00 #1 1	Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps			103.01	
	ROGERS 230.00-ROGSWAPA 230.00 #2 1	Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps			103.01	
	ROGSWAPA 230.00-ROGERS 230.00 #1 1	Open Line CORONADO 500.00-SILVERKRG 500.00 #1	23	1001.58	1001.58	Amps	100.37	110.44	108.05	106.22
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps		105.08		101.47
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	107.01	104.74	103.08
	ROGSWAPA 230.00-ROGERS 230.00 #2 1	Open Line CORONADO 500.00-SILVERKRG 500.00 #1	23	1001.58	1001.58	Amps	100.37	110.44	108.05	106.22
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps		105.08		101.47
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19	107.01	104.74	103.08
	SHIPROCK 230.00-SHIPROCK 345.00 #1 0	Open Line CORONADO 500.00-SILVERKRG 500.00 #1	23	300	300	MVA				100.36
		Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	300	300	MVA				101.42
		Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA			105.45	110.52
	SILVSADL 230.00-REUNION 230.00 #1 1	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps		102.24		
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps		102.24		
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.96	105.57	102.1	
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.94	104.88	101.63	
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.53	111.57	108.28	106.25
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.67	118.42	114.89	112.68
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.41	111.1	107.59	105.4
		Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.12	104.02	101.01	
		Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps		102.53		

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hst17.sav	pst10b_30.sav	pst10b_30sc5.sav	pst10b_30sc7.sav
SILVSADL 230.00-REUNION 230.00 #1 1		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.75	106.88	103.74	101.83
		Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	818.33	818.33	Amps		100.3		
		Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps		103.11	100.01	
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.35	109.35	106.08	104.06
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps		101.78		
		Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.86	103.75	100.74	
		Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.87	103.76	100.75	
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.18	104.17	101.13	
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.3	104.3	101.26	
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.39	104.38	101.34	
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.02	103.38	100.28	
		Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	818.33	818.33	Amps		100.43		
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.68	107.47	104.16	102.13
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.44	117.2	113.66	111.46
		Open Xfmr CHAMBERS 115.00-CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.26	104.68	101.87	100.17
Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.02	102.86	100.03			
SPKHILT 230.00-COOLIDGE 230.00 #1 1		Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	800.76	853.47	Amps				100.04
		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	800.76	853.47	Amps		101.51	108.04	112.6
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	800.76	853.47	Amps			100.39	104.81
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	800.76	853.47	Amps			101.96	106.28
		Open Line RACEWAY 500.00-PNPKAPS 500.00 #r1	109	800.76	853.47	Amps				104.48
Open Line SNTAROSA 230.00-DBG 230.00 #1	22	800.76	853.47	Amps			100.15	105.33		
VERDE S 230.00-COCONINO 230.00 #1 1		Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	123.63	123.07	122.72
		Open Xfmr WALSENBG 230.00-WALSENBG 115.00 #1 0	341	100	100	MVA				102.92
WALSENBG 230.00-WALSENBG 115.00 #2 0		Open Xfmr WALSENBG 230.00-WALSENBG 115.00 #1	340	100	100	MVA			103.16	
WINCHSTR 345.00-VAIL 345.00 #1 1		Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1547.97	1857.56	Amps			102.87	105.55
		Open Line BUTERFLD 230.00-G.SLOAN 230.00 #1	44	1547.97	1857.56	Amps				100.23
		Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps		110.55	115.41	116.77
		Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps			109.06	116.26
WINCHSTR 345.00-VAIL 345.00 #1 2		Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1499.44	2024.91	Amps		101.42	105.87	107.12
		Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1499.44	2024.91	Amps			100.04	106.65
WINCHSTR 345.00-VAIL 345.00 #1 3		Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1547.97	1857.56	Amps			102.87	105.55
		Open Line BUTERFLD 230.00-G.SLOAN 230.00 #1	44	1547.97	1857.56	Amps				100.23
		Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps		110.55	115.41	116.77
		Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps			109.06	116.26
WRAY 230.00-WRAY 115.00 #1 0		Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	186	0	MVA		132.41	135.92	138.29
		Drop Generator at DJ GEN 2 16.00 #1, 500 MW Dropped	405	186	0	MVA		132.41	135.92	138.29
		Drop Generator at DJ GEN 3 16.00 #1, 500 MW Dropped	406	186	0	MVA		132.41	135.92	138.29
		Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	186	0	MVA		132.46	135.83	138.17
		Drop Generator at LR GEN 2 16.00 #1, 500 MW Dropped	410	186	0	MVA		132.46	135.83	138.17
		Drop Generator at LR GEN 3 16.00 #1, 500 MW Dropped	411	186	0	MVA		132.46	135.83	138.17
		Open Line ARCHER 345.00-STORY 345.00 #1	181	186	0	MVA		130.63	134.75	137.54
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	186	0	MVA		138.66		142.01
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	186	0	MVA		130.76		
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	186	0	MVA		131.5	135.39	138.08
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	186	0	MVA		137.2	139.33	140.9
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	186	0	MVA		132.27	136.51	139.05
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	186	0	MVA		130.28	134.37	137.26
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	186	0	MVA		130.72	134.8	137.67
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	186	0	MVA		130.35		
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	186	0	MVA		130.32		
		Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	186	0	MVA		130.32		
		Open Line LAMAR CO 500.00-GUADLUPE 500.00 #1	392	186	0	MVA		131.44	136.49	139.51
		Open Line LAR_RIVR 230.00-STEGALL 230.00 #1	180	186	0	MVA		130.75	134.89	137.74
		Open Line LAR_RIVR 345.00-ARCHER 345.00 #1	182	186	0	MVA		131.05	135.93	138.83
		Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	186	0	MVA		130.61	134.79	137.37
		Open Line N.YUMA 230.00-WRAY 230.00 #1	184	186	0	MVA		135.02	140.92	144.92
		Open Line PAWNEE 230.00-STORY 230.00 #1	158	186	0	MVA			134.86	138.09
		Open Line SIDNEY 230.00-STEGALL 230.00 #1	187	186	0	MVA		133.67	137.89	140.68
		Open Line STORY 345.00-ARCHER 345.00 #1	191	186	0	MVA		130.63	134.75	137.54
		Open Line STORY 230.00-PAWNEE 230.00 #1	306	186	0	MVA			134.86	138.09
		Open Line WESTHILL 230.00-STEGALL 230.00 #1	179	186	0	MVA		130.25	134.4	137.29
Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	0	MVA		143.59	153.71	155.76		

<b>AREA</b>	(All)
<b>ZONE</b>	(All)
<b>TYPE</b>	(All)
<b>NOTES</b>	EMERGENCY RATING VIOLATION

	High Plains Express Contingency
	At least a 3% decrease from previous case
	Change of less than +/- 3% from previous case
	At least a 3% increase from previous case

<b>E PCT</b>								<b>BASECASE</b>				
<b>OVERLOADED ELEMENT</b>				<b>CONTINGENCY</b>	<b>NO</b>	<b>N RATE</b>	<b>E RATE</b>	<b>UNIT</b>	<b>pre10hs17.sav</b>	<b>pst10b_30.sav</b>	<b>pst10b_30sc5.sav</b>	<b>pst10b_30sc7.sav</b>
WRAY	230.00-WRAY	115.00 #1	0	Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	186	0	MVA		130.23		
				Open Xfmr LAR.RIVR 500.00/LAR.RIVR 345.00 #1	399	186	0	MVA			135.53	137.9
				Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	186	0	MVA		133.06	137.19	140.05



AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project	11b30c7	3000 MW gen	70% Comp	11b35c7	3500 MW gen	70% Comp	11b40c7	4000 MW gen	70% Comp	11b45c7	4500 MW gen	70% Comp	11b50c7	5000 MW gen	70% Comp
ZONE	(All)	At least a 3% decrease from previous case																	
TYPE	(All)	Change of less than ± 3% from previous case																	
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case																	
E PCT		BASECASE																	
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav								
DEERVALY 230.00-PINPKSRP 230.00 #1 1	Open Line PNPKAPS 230.00-OCOTILLO 230.00 #1	15	1199.88	1199.88	Amps														100.88
EGYCNTN 230.00-EGYCNTN 500.00 #1 0	Open Line EGYCNTN 500.00-BOONE 500.00 #1	202	200	200	MVA														100.77
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA														104.77
	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	200	MVA														133.03
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA		164.98	183.42	204.45	220.81	241.71								104.77
EGYCNTN 230.00-EGYCNTN 500.00 #2 0	Open Line EGYCNTN 500.00-BOONE 500.00 #1	202	200	200	MVA														100.77
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	200	200	MVA														104.77
	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	200	200	MVA			100.58	112.43	119.41	133.03								133.03
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	200	200	MVA		164.98	183.42	204.45	220.81	241.71								241.71
FLAGSTAF 345.00-PINPKBRB 345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	1650.05	Amps	124.02	129.26	132.49	135.97	137.99	141.85								
FLAGSTAF 345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1250.09	1680.17	Amps	121.8	126.94	130.12	133.53	135.52	139.3								
FLAGSTAF 345.00-PINPKBRB 345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1999.97	1999.97	Amps	102.32	106.64	109.31	112.18	113.85	117.03								
FLAGSTAF 345.00-PINPKBRB 345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.09	1680.17	Amps	121.79	126.94	130.11	133.53	135.51	139.3								
FOURC1AA 100.00-FOURCORN 500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.01													
FOURCORN 345.00-FOURC1AA 100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.49													
FT.CRAIG 345.00-FT.CRAIG 500.00 #1 0	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	840	1200	MVA									105.53	110.27				
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	103.89	108.34	108.93	109.42	109.93	110.67								
	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA		107.15	107.64	108.01	108.42	109.07								
	Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	107.21	107.72	108.11	108.55	109.22								
	Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	107.21	107.72	108.11	108.55	109.22								
	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.85	108.5	108.99	109.37	109.75	110.39								
	Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	107.74	108.21	108.57	108.97	109.61								
	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.19	107.39	107.89	108.26	108.68	109.33								
	Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	107.2	107.71	108.1	108.53	109.2								
	Open Line EGYCNTN 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22													
	Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	107.49	107.97	108.33	108.74	109.38								
	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.71	107.89	108.38	108.76	109.18	109.83								
	Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	107.89	108.38	108.76	109.18	109.83								
	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	109.59	110.11	110.51	110.95	111.63								
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.25	110.39	110.91	111.32	111.76	112.44								
	Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	109.95	110.58	111.12	111.66	112.47								
	Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.7	107.91	108.42	108.81	109.24	109.92								
	Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	107.69	108.21	108.63	109.07	109.76								
	Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	108.16	108.67	109.07	109.5	110.18								
	Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	108.65	109.17	109.58	110.02	110.71								
	Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	107.42	107.9	108.26	108.66	109.29								
	Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.3	112.09	112.73	113.27	113.82	114.64								
	Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.66	107.94	108.47	108.88	109.33	110.02								
	Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	107.26	107.77	108.16	108.6	109.25								
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	111.94	112.54	113.03	113.54	114.32								
	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	109.53	110.05	110.45	110.89	111.57								
	Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.45	107.59	108.07	108.43	108.84	109.48								
	Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	107.56	108.09	108.5	108.95	109.63								
	Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	120.4	121.06	121.63	122.18	123.02								
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	116.19	116.8	117.3	117.81	118.6								
	Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.96	115.76	116.41	116.96	117.51	118.34								
	Open Line GREENWD 230.00-MONACO12 230.00 #1	256	280	280	MVA	103.41	107.51	107.99	108.34	108.75	109.38								
	Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	107.18	107.67	108.05	108.47	109.13								
	Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	280	280	MVA	103.27	107.36	107.84	108.2	108.6	109.24								
	Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	105.72	110.16	110.76	111.24	111.75	112.5								
	Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	108.34	108.93	109.42	109.93	110.67								
	Open Line MEADOWHIL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	107.23	107.73	108.11	108.54	109.2								
	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	112.57	113.17	113.66	114.17	114.92								
	Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	107.39	107.88	108.26	108.67	109.33								
	Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	107.4	107.9	108.27	108.69	109.35								
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	114.79	115.39	115.89	116.41	117.19								
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	107.77	108.28	108.67	109.1	109.77								
	Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.9	108.11	108.62	109.02	109.45	110.13								
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.9	108.11	108.63	109.02	109.46	110.13								
	Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	107.9	108.41	108.8	109.23	109.91								
	Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	103.66													

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project	11b30c7	3000 MW gen	70% Comp	11b35c7	3500 MW gen	70% Comp	11b40c7	4000 MW gen	70% Comp	11b45c7	4500 MW gen	70% Comp	11b50c7	5000 MW gen	70% Comp	
ZONE	(All)	At least a 3% decrease from previous case																		
TYPE	(All)	Change of less than ± 3% from previous case																		
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case																		
E PCT		BASECASE																		
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav									
FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	122.22	122.94	123.52	124.13	125.03									
	Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.9	119.7	120.36	120.92	121.47	122.31									
	Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	103.69	107.91	108.42	108.81	109.25	109.92									
	Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	107.11	107.61	107.98	108.4	109.06									
	Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	109.99	110.51	110.92	111.35	112.04									
	Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93														
	Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	107.73	108.19	108.53	108.91	109.53									
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	109.61	110.17	110.6	111.07	111.79									
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	109.61	110.17	110.6	111.07	111.79									
	Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	107.84	108.33	108.7	109.11	109.76									
	Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.29	108.51	109	109.38	109.79	110.47									
	Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.28	108.5	108.99	109.37	109.78	110.46									
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.11	107.31	107.8	108.18	108.59	109.25									
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.11	107.31	107.8	108.18	108.59	109.25									
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.11	107.31	107.8	108.18	108.59	109.25									
	Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.7	107.89	108.37	108.73	109.14	109.8									
	Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	108.49	108.96	109.32	109.72	110.37									
	Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	107.58	108.04	108.37	108.76	109.38									
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103	107.19	107.69	108.08	108.5	109.17									
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103	107.19	107.69	108.08	108.5	109.17									
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103	107.19	107.69	108.08	108.5	109.17									
	Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.24	107.45	107.94	108.3	108.72	109.37									
	Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.25	107.46	107.95	108.31	108.73	109.38									
	Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	107.37	107.86	108.23	108.65	109.3									
	Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.81	110.08	110.58	110.93	111.36	112.04									
	Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.81	110.08	110.58	110.93	111.36	112.04									
	Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	107.67	108.13	108.46	108.85	109.45									
	Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	110.09	110.59	110.98	111.39	112.07									
	Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92														
	Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92														
	Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	107.14	107.63	108.01	108.43	109.08									
	Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.01	107.2	107.69	108.07	108.49	109.15									
	Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	280	280	MVA		107.11	107.61	108	108.42	109.08									
	Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	280	280	MVA		109.41	110.38	111.17	112.05	113.07									
	Open Line B.SANDY 500.00-BOONE 500.00 #1	377	280	280	MVA		108.43	109.19	109.85	110.56	111.51									
	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	280	280	MVA					108.42	109.25									
	Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	280	280	MVA		107.74	108.32	108.76	109.1	109.55									
	Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	280	280	MVA		107.62	108.23	108.75	109.28	109.97									
	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	280	280	MVA		107.55	108.16	108.67	109.2	109.99									
	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	280	280	MVA		107.81	108.52	109.17	109.84										
	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	280	280	MVA						109.11									
	Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06														
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	280	280	MVA						109.07									
	Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	280	280	MVA						109.12									
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	280	280	MVA						109.07									
	Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91														
	GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	599.94	599.94	Amps						108.58								
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps			100.77	113.75	123.12	134.53								
Open Line B-A 345.00-NORTON 345.00 #1		85	599.94	599.94	Amps				103.52	110.71	116.44									
Open Line SAN_JUAN 345.00-RIOPUERCO 345.00 #1		113	599.94	599.94	Amps					102.53	110.53									
Open Line CF&FURN 230.00-COMANCHE 230.00 #1		145	599.94	599.94	Amps					101.92	109.42									
Open Line COMANCHE 230.00-WALSENBG 230.00 #1		148	599.94	599.94	Amps					105.66	112.47									
Open Line FOURCORN 345.00-WESTMESA 345.00 #1		357	599.94	599.94	Amps						109.01									
Open Line SAN_JUAN 345.00-OJO 345.00 #1		358	599.94	599.94	Amps			107.04	113.94	122.01	126.91	128.77								
Open Line FT.CRAIG 500.00-LUNA 500.00 #1		396	599.94	599.94	Amps					108.23	117.27	130.9								
Open Line LUNA 500.00-WINCHSTR 500.00 #1		397	599.94	599.94	Amps					104.76	113.02	124.53								
Open Line WINCHSTR 500.00-PINAL_S 500.00 #1		398	599.94	599.94	Amps						103.47	111.17								
Open Line SNTAROSA 500.00-PINAL_W 500.00 #1		26	599.94	599.94	Amps						100.97	108.26								
Open Line SPRINGR 345.00-CORONADO 345.00 #1		32	599.94	599.94	Amps						102.08	109.42								
Open Line OJO 345.00-TAOS 345.00 #1		92	599.94	599.94	Amps				101.26	106.98	110.98									
Open Line WESTMESA 345.00-SANDIA 345.00 #1		95	599.94	599.94	Amps							108.64								
Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1		186	599.94	599.94	Amps					102.96	111.03									
Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1		368	599.94	599.94	Amps					102.14	109.77									

AREA	(All)	High Plains Express Contingency	pre10s17	Pre Project	3000 MW gen	70% Comp	3500 MW gen	70% Comp	4000 MW gen	70% Comp	4500 MW gen	70% Comp	5000 MW gen	70% Comp		
ZONE	(All)	At least a 3% decrease from previous case	11b30c7	11b35c7	11b40c7	11b45c7	11b50c7	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav	11b30c7.sav	11b35c7.sav		
TYPE	(All)	Change of less than ± 3% from previous case	11b30c7	11b35c7	11b40c7	11b45c7	11b50c7	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav	11b30c7.sav	11b35c7.sav		
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	11b30c7	11b35c7	11b40c7	11b45c7	11b50c7	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav	11b30c7.sav	11b35c7.sav		
E PCT		BASECASE														
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10s17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav
GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	599.94	599.94	Amps						107.8				116.67	
	Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	599.94	599.94	Amps						105.27				112.93	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	599.94	599.94	Amps					110.7					132.52	
	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	599.94	599.94	Amps				104.04						123.42	
	Open Line FT.CRAIG 500.00-SPRINGER 500.00 #1	382	599.94	599.94	Amps				106.3						130.76	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	599.94	599.94	Amps				110.7						132.52	
	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	599.94	599.94	Amps				104.04						123.42	
	Open Xfmr WINCHSTR 500.00/WINCHSTR 345.00 #1	401	599.94	599.94	Amps							101.62			109.03	
	Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	599.94	599.94	Amps							105.79			112.6	
	Open Line WINCHSTR 345.00-VAIL 345.00 #1	37	599.94	599.94	Amps							102.35			109.83	
	Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	599.94	599.94	Amps										108.59	
	Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	599.94	599.94	Amps							101.56			109.34	
	Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	599.94	599.94	Amps							101.57			109.37	
	Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	599.94	599.94	Amps							101.3			109	
	Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	599.94	599.94	Amps							101.21			108.81	
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	599.94	599.94	Amps				100.46			108.57			118.12	
	Open Line SPRINGER 500.00-SES 500.00 #1	383	599.94	599.94	Amps							104.91			113.29	
	Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	599.94	599.94	Amps							109			109	
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	599.94	599.94	Amps				100.46			108.57			118.12	
	Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	599.94	599.94	Amps							102.25			110.41	
GLADSTON 500.00-GUADLUPE 500.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps				100.91		112.33			124.92		
GLADSTON 500.00-GUADLUPE 500.00 #1 2	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps				100.91		112.33			124.92		
GLADSTON 500.00-GUADLUPE 500.00 #1 3	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps				100.91		112.33			124.92		
GLADSTON 500.00-GUADLUPE 500.00 #2 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps				100.91		112.33			124.92		
GLADSTON 500.00-GUADLUPE 500.00 #2 2	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps				100.91		112.33			124.92		
GLADSTON 500.00-GUADLUPE 500.00 #2 3	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps				100.91		112.33			124.92		
GLADSTON 500.00-LAMAR CO 500.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	3464.1	3810.51	Amps									124.02		
GLADSTON 500.00-LAMAR CO 500.00 #1 2	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	3464.1	3810.51	Amps									124.02		
GLADSTON 500.00-LAMAR CO 500.00 #1 3	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	3464.1	3810.51	Amps									124.02		
GLENCANY 230.00-GLENCANY 345.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	350	350	MVA									100.88		
GLENCANY 230.00-GLENCANY 345.00 #2 0	Open Line RME 500.00-FCW 500.00 #1	71	350	350	MVA									100.88		
GLENCANY 345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1999.97	1999.97	Amps	103.13	107.41	110.11	113.01	115.02	118.22					
GLENCANY 345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1840.83	2024.91	Amps	101.86	106.09	108.76	111.62	113.6	116.77					
GLENCANY 345.00-FLAGSTAF 345.00 #2 1	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1250.09	1680.17	Amps	122.53	127.63	130.85	134.31	136.69	140.51					
GLENCANY 345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1840.83	2024.91	Amps	101.67	105.9	108.57	111.44	113.42	116.58					
GR 115.00-VISTA # 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	151.41	148.21	149.12	149.67	150.8					
GREEN-AE 345.00-GREEN-AE 230.00 #1 0	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	146.81	147.74	148.67	146.05	147.62					
	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	147.16	148.07	148.99	146.26	147.81					
	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	108.51	109.02	109.61	104.97	105.73					
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	123.32	124.31	125.3	124.24	125.93					
	Open Line RED TAIL 230.00-DOSCONDO 230.00 #1	55	150	193	MVA			100.01	100.46							
Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.74											
GUADLUPE 345.00-ARGONNE4 138.00 #1 0	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	60	80	MVA										112.9	
GUADLUPE 500.00-CORONA 500.00 #1 1	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps						106.91			118.89		
GUADLUPE 500.00-CORONA 500.00 #1 2	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps						106.91			118.89		
GUADLUPE 500.00-CORONA 500.00 #1 3	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps						106.91			118.89		
GUADLUPE 500.00-CORONA 500.00 #2 1	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps						106.91			118.89		
GUADLUPE 500.00-CORONA 500.00 #2 2	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps						106.91			118.89		
GUADLUPE 500.00-CORONA 500.00 #2 3	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps						106.91			118.89		
JLGREEN 230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps									100.42		
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps									102.89		
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps					100.16		101.33		102.81		
	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	1242.56	1242.56	Amps									100.23		
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100	105.18	106.55	108.14	109.31	110.82					
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps		102.54	103.91	105.49	106.66	108.16					
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps					100.71	101.84	103.34				
	Open Line SILVSADL 230.00-REUNION 230.00 #1	302	1242.56	1242.56	Amps						100.31	101.64				
Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps						101.13	102.15			103.49		
LAJUNTAW 69.00-PHILPS TP 69.00 #1 1	Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	200.82	200.82	Amps			143.24								
LAJUNTAW 115.00-BOONE 115.00 #1 1	Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	200.82	200.82	Amps			127.11								
LAJUNTAW 115.00-LAJUNTAW 69.00 #1 0	Open Xfmr LAMAR CO 230.00/LAMAR CO 115.00 #1	356	25	25	MVA			185.03								
LAMAR CO 230.00-LAMAR CO 115.00 #1 0	Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.22										
	Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.9										

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project											
ZONE	(All)	At least a 3% decrease from previous case	11b30c7	3000 MW gen	70% Comp										
TYPE	(All)	Change of less than ± 3% from previous case	11b35c7	3500 MW gen	70% Comp										
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	11b40c7	4000 MW gen	70% Comp										
			11b45c7	4500 MW gen	70% Comp										
			11b50c7	5000 MW gen	70% Comp										
<b>E PCT</b>															
<b>OVERLOADED ELEMENT</b>															
		<b>CONTINGENCY</b>	<b>NO</b>	<b>N RATE</b>	<b>E RATE</b>	<b>UNIT</b>	<b>BASECASE</b>								
							pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav			
LAMAR CO	230.00-LAMAR CO	115.00 #1 0	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.02							
			Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.28							
			Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	113.99							
			Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.65							
			Open Line EGYCNR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.34							
			Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.74							
			Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.66							
			Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112							
			Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112							
			Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.89							
			Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.92							
			Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.53	109.66	110.03	110.45	110.27	103.93		
			Open Line B.SANDY 500.00-BOONE 500.00 #1	377	100	100	MVA								
			Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	100	100	MVA		114.11	117.91	122.15	125.48			
			Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	100	100	MVA		102.37	103.81	105.23	105.47	102		
			Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	100	100	MVA	112.11							
			Open Line BURLNGTN 500.00-BURLSC1 500.00 #1	199	100	100	MVA	114.06							
			Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	100	100	MVA	117.32							
			Open Line EGYCNR 500.00-BURLSC2 500.00 #1	203	100	100	MVA	118.03							
LAMAR CO	500.00-GLADSTON	500.00 #1 1	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	3464.1	3810.51	Amps				100.23	111.21			
LAMAR CO	500.00-GLADSTON	500.00 #1 2	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	3464.1	3810.51	Amps				100.23	111.21			
LAMAR CO	500.00-GLADSTON	500.00 #1 3	Open Line BOONE 500.00-GLADSTON 500.00 #1	378	3464.1	3810.51	Amps				100.23	111.21			
LAR.RIVR	345.00-AULT	345.00 #1 1	Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	1599.85	1599.85	Amps							102.79	
LAR.RIVR	500.00-WRAY	500.00 #1 1	Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	3464.1	3810.51	Amps							102.27	
LAR.RIVR	500.00-WRAY	500.00 #1 2	Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	3464.1	3810.51	Amps							102.27	
LAR.RIVR	500.00-WRAY	500.00 #1 3	Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	3464.1	3810.51	Amps							102.27	
LUNA	345.00-LUNA	115.00 #1 0	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	224	224	MVA	103.32							
MIDWAYBR	230.00-RD_NIXON	230.00 #1 1	Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	1209.93	1209.93	Amps	103.41							
			Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1209.93	1209.93	Amps	101.85							
			Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps							116.66	
			Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	1209.93	1209.93	Amps	110.61							
			Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	1209.93	1209.93	Amps	105.66							
			Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	1209.93	1209.93	Amps	107.21							
			Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	1209.93	1209.93	Amps	103.44							
			Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	1209.93	1209.93	Amps	102.82							
			Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	1209.93	1209.93	Amps	100.31							
			Open Line EGYCNR 500.00-BURLSC2 500.00 #1	203	1209.93	1209.93	Amps	101.06							
MURPHY	230.00-SMOKYHIL	230.00 #1 1	Open Line DANIELPK 230.00-SURREYRG 230.00 #1	235	853.47	853.47	Amps							100.07	
NEWMAN	115.00-BIGGS	115.00 #1 1	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps							103.37	
NEWMAN	115.00-NEWMAN_B	345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	101.84	102.77	105.8	107.6	106.66	113.16		
NEWMAN_B	345.00-NEWMAN	345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1	75	184	230	MVA	100.98	101.93	104.67	106.19	105.23	111.05		
OJO	345.00-OJO	115.00 #1 0	Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357	180	180	MVA	103.46							
			Open Line OJO 345.00-TAOS 345.00 #1	92	180	180	MVA	107.43							
P.VALLEY	115.00-TODD CRE	115.00 #1 1	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	676.75	676.75	Amps	105.04	104.62	104.66	104.34	104.35	104.28		
PINPK	230.00-PNPKAPS	230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps		111.44						
PNPKAPS	230.00-PINPK	230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1691.89	1998.13	Amps	113.5		112.13	112.93	112	113.24		
RD_NIXON	230.00-MIDWAYBR	230.00 #1 1	Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	1209.93	1209.93	Amps	104.57							
			Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	1209.93	1209.93	Amps	135.24	120.71	119.82	118.96	117.79			
			Open Line TARRYALL 230.00-HARTSELT 230.00 #1	161	1209.93	1209.93	Amps	100.11							
			Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	1209.93	1209.93	Amps	100.6							
			Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1209.93	1209.93	Amps	100.04							
			Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	1209.93	1209.93	Amps	108.17							
			Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.33							
			Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.33							
			Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.68							
			Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.11							
			Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.11							
			Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.11							
			Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.89							
			Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.76							
			Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.93							
			Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1209.93	1209.93	Amps	100.19							
			Open Line B.SANDY 230.00-BEAVERCK 230.00 #1	176	1209.93	1209.93	Amps	100.27							



AREA	(All)		High Plains Express Contingency	pre10hs17	Pre Project										
ZONE	(All)		At least a 3% decrease from previous case	11b30c7	3000 MW gen	70% Comp									
TYPE	(All)		Change of less than ± 3% from previous case	11b35c7	3500 MW gen	70% Comp									
NOTES	EMERGENCY RATING VIOLATION		At least a 3% increase from previous case	11b40c7	4000 MW gen	70% Comp									
				11b45c7	4500 MW gen	70% Comp									
				11b50c7	5000 MW gen	70% Comp									
E PCT				BASECASE											
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav				
RD_NIXON 230.00-MIDWAYBR 230.00 #1 1	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	1209.93	1209.93	Amps	100.77									
RIO GRAN 115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	720.93	982	Amps	100.65									
ROCKISLD 115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	798.25	798.25	Amps	100.84									
ROGERS 230.00-ROGSWAPA 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps		106.47								
ROGERS 230.00-ROGSWAPA 230.00 #2 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps		106.47								
ROGSWAPA 230.00-ROGERS 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37		106.42	107.75	102.63	103.33				
	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19		103.32	101.89	100.85					
	Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps		101.71	100.19							
ROGSWAPA 230.00-ROGERS 230.00 #2 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1001.58	1001.58	Amps	100.37		106.42	107.75	102.63	103.33				
	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1001.58	1001.58	Amps	110.19		103.32	101.89	100.85					
	Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	1001.58	1001.58	Amps		101.71	100.19							
SHIPROCK 230.00-SHIPROCK 345.00 #1 0	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	300	300	MVA		100.96	101.26	101.83	103.59					
	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	300	300	MVA			100.07	100.53	102.24					
	Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA										
SHIPROCK 345.00-SHIPROCK 230.00 #1 0	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	300	300	MVA										100.53
	Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA		110.01	110.89	112.14	114.47					112.13
SILVSADL 230.00-REUNION 230.00 #1 1	Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	818.33	818.33	Amps										100.61
	Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	818.33	818.33	Amps										100.61
	Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	818.33	818.33	Amps										100.87
	Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.12			100.88	101.44	102.33				
	Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.75	101.83	102.65	103.62	104.2	105.15				
	Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.96		100.84	101.92	102.6	103.64				
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.94		100.47	101.47	102.1	103.06				
	Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.67		112.68	113.63	114.76	115.44				116.5
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.53	106.24	107.12	108.14	108.77	109.77				
	Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.41	105.4	106.33	107.43	108.11	109.17				
	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	818.33	818.33	Amps					100.45	101.37				
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.35	104.05	104.92	105.94	106.56	107.55				
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	818.33	818.33	Amps						100.12				
	Open Line SKYRANCH 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.86			100.62	101.17	102.07				
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.87			100.63	101.18	102.08				
	Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.3		100.2	101.14	101.71	102.62				
	Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.18		100.08	101.02	101.58	102.49				
	Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.02			100.14	100.72	101.64				
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.68	102.13	103.01	104.02	104.62	105.6				
	Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.44	111.45	112.4	113.52	114.21	115.27				
	Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.39		100.29	101.23	101.79	102.7				
	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.02				100.4	101.26				
	Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.26	100.17	100.88	101.74	102.23	103.08				
SPKHILT 230.00-COOLIDGE 230.00 #1 1	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	800.76	853.47	Amps				100.31						
	Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	800.76	853.47	Amps				100.4	100.56					
	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	800.76	853.47	Amps		112.55	114.97	118.75						121.07
	Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	800.76	853.47	Amps		106.33	108	109.79	107.24	109.09				
	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	800.76	853.47	Amps				100.44	100.53	102.37				
	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	800.76	853.47	Amps				100.43	100.53	102.36				
	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	800.76	853.47	Amps				100.25	100.33	102.16				
	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	800.76	853.47	Amps				100.26	100.34	102.16				
	Open Line RME 500.00-FCW 500.00 #1	71	800.76	853.47	Amps				101.7						
	Open Line RACEWAY 500.00-PNPKAPS 500.00 #r1	109	800.76	853.47	Amps		104.45	106.02	107.57	106.97	108.58				
	Open Line SNTAROSA 230.00-DBG 230.00 #1	22	800.76	853.47	Amps		105.28	107.37	109.41						
	Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	800.76	853.47	Amps		104.85	106.5	108.19	106.36	108.05				
	Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	800.76	853.47	Amps				101.52	103.36					
	Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	800.76	853.47	Amps				101.89	103.74					
	Open Line BROWNING 500.00-KYRENE 500.00 #1	25	800.76	853.47	Amps										101.6
	Open Line SNTAROSA 500.00-PINAL W 500.00 #1	26	800.76	853.47	Amps					103.49					
	Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	800.76	853.47	Amps			100.41	102.34						
	Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	800.76	853.47	Amps					100.48					
	Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63	800.76	853.47	Amps					100.13					
VERDE S 230.00-COCONINO 230.00 #1 1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	122.8	123.17	123.61	123.06	123.58				
WALSENBG 230.00-WALSENBG 115.00 #1 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #2	341	100	100	MVA		103.65	101.49	100.16						
WALSENBG 230.00-WALSENBG 115.00 #2 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #1	340	100	100	MVA		103.88	101.73	100.38						
WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	1547.97	1857.56	Amps				102.38	105.91	111.4				
	Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	1547.97	1857.56	Amps				102.1	105.53	110.94				

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project	11b30c7	3000 MW gen	70% Comp	11b35c7	3500 MW gen	70% Comp	11b40c7	4000 MW gen	70% Comp	11b45c7	4500 MW gen	70% Comp	11b50c7	5000 MW gen	70% Comp	
ZONE	(All)	At least a 3% decrease from previous case																		
TYPE	(All)	Change of less than ± 3% from previous case																		
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case																		
E PCT			BASECASE																	
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav									
WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line FOURCORN 345.00-CHOLLA 345.00 #1	8	1547.97	1857.56	Amps				101.51	105.01	110.35									
	Open Line FOURCORN 345.00-CHOLLA 345.00 #2	9	1547.97	1857.56	Amps				101.5	105	110.33									
	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	1547.97	1857.56	Amps				100.79	104.23	109.53									
	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1547.97	1857.56	Amps				104.17	107.21	113.31									
	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	1547.97	1857.56	Amps				100.86	104.31	109.61									
	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps			116.71	121.09	125.7	129.15	135.24								
	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	1547.97	1857.56	Amps				100.82	104.27	109.57									
	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1547.97	1857.56	Amps			105.51	109.26	113.15	116.26	121.6								
	Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	1547.97	1857.56	Amps				100.75	104.2	109.49									
	Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	1547.97	1857.56	Amps				100.75	104.2	109.49									
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	1547.97	1857.56	Amps				100.7	104.14	109.42									
	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1547.97	1857.56	Amps				101.11	104.52	109.87									
	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1547.97	1857.56	Amps				101.1	104.51	109.86									
	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1547.97	1857.56	Amps				101.05	104.46	109.8									
	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1547.97	1857.56	Amps				101.05	104.46	109.8									
	Open Line RME 500.00-FCW 500.00 #1	71	1547.97	1857.56	Amps				103.61	107.22	112.9									
	Open Line LUNA 345.00-DIABLO 345.00 #1	76	1547.97	1857.56	Amps				101.13	104.57	109.97									
	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	1547.97	1857.56	Amps				102.58	106.3	112.07									
	Open Line CF&FURN 230.00-COMANCHE 230.00 #1	145	1547.97	1857.56	Amps				101.17	104.61	109.93									
	Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1547.97	1857.56	Amps				100.92	104.35	109.63									
	Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	1547.97	1857.56	Amps				100.7	104.14	109.42									
	Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	1547.97	1857.56	Amps				100.9	104.36	109.66									
	Open Line SNTAROSA 230.00-DBG 230.00 #1	22	1547.97	1857.56	Amps				101.17	104.58	109.89									
	Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps			116.2	123.87	131.71	138.32	148.73								
	Open Line CHOLLA 500.00-SAGUARO 500.00 #1	1	1547.97	1857.56	Amps				103.94	107.27	112.79									
	Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	1547.97	1857.56	Amps				101.39	104.85	110.21									
	Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	1547.97	1857.56	Amps				101.14	104.58	109.94									
	Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	1547.97	1857.56	Amps				101.21	104.65	110.01									
	Open Line BROWNING 500.00-KYRENE 500.00 #1	25	1547.97	1857.56	Amps				101.77	105.34	110.79									
	Open Line SNTAROSA 500.00-PINAL W 500.00 #1	26	1547.97	1857.56	Amps				105.53	110.06	117.22									
	Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	1547.97	1857.56	Amps				102.49	106.14	111.7									
	Open Line PINALWES 345.00-SOUTH 345.00 #1	38	1547.97	1857.56	Amps				102.11	104.29										
	Open Line BUTERFLD 230.00-G SLOAN 230.00 #1	44	1547.97	1857.56	Amps			100.19	103.96	107.84	111.21	116.56								
	Open Line G.SLOAN 230.00-PANTANO 230.00 #1	45	1547.97	1857.56	Amps				102.01	105.89	109.34	114.69								
	Open Line BUTERFLD 230.00-SAN RAF 230.00 #1	46	1547.97	1857.56	Amps				100.9	104.32	109.6									
	Open Line PANTANO 230.00-NEWTUCSN 230.00 #1	52	1547.97	1857.56	Amps				103.72	107.25	112.6									
	Open Line GLEN PS 230.00-NAVAJO 230.00 #1	61	1547.97	1857.56	Amps				101.18	104.69	110.06									
	Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	1547.97	1857.56	Amps				101.41	104.92	110.31									
	Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63	1547.97	1857.56	Amps				101.29	104.8	110.18									
	Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65	1547.97	1857.56	Amps				101.18	104.69	110.06									
Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	1547.97	1857.56	Amps				101.55	104.99	110.32										
Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368	1547.97	1857.56	Amps				101	104.51	109.93										
Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	1547.97	1857.56	Amps				101.07	104.64											
Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	1547.97	1857.56	Amps				100.85	104.53	109.86										
Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1547.97	1857.56	Amps				104.57	109.73	114.42	121.64									
Open Line NEWMAN 345.00-AFTON 345.00 #1	80	1547.97	1857.56	Amps				101.56	105	110.46										
Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1547.97	1857.56	Amps				100.99	104.43	109.71										
Open Xfmr REUNION 115.00/REUNION 230.00 #1	353	1547.97	1857.56	Amps					104.09											
Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	1547.97	1857.56	Amps				100.85	104.31	109.64										
Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	1547.97	1857.56	Amps				100.96	104.44	109.8										
Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	1547.97	1857.56	Amps				100.96	104.45	109.8										
Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	1547.97	1857.56	Amps				100.87	104.36	109.72										
Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	1547.97	1857.56	Amps				100.83	104.31	109.65										
Open Line SPRINGR 500.00-SES 500.00 #1	383	1547.97	1857.56	Amps				103.56	107.03	112.71										
Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	1547.97	1857.56	Amps				100.74	104.31	109.71										
Open Line NEWTUCSN 230.00-SAHUARIT 230.00 #1	53	1547.97	1857.56	Amps				103.14	106.68	112.02										
Open Line SILVERKG 500.00-BROWNING 500.00 #1	24	1547.97	1857.56	Amps				101.53	104.99	110.36										
Open Line SAHUARIT 230.00-BICKNELL 230.00 #1	56	1547.97	1857.56	Amps				102.01	105.58	110.92										
Open Line MOENKOPI 500.00-RME 500.00 #1	67	1547.97	1857.56	Amps				100.98	104.41	109.73										
Open Line NAVAJO 500.00-RME 500.00 #1	68	1547.97	1857.56	Amps				100.67	104.16	109.49										
Open Line LUNA 345.00-AFTON 345.00 #1	78	1547.97	1857.56	Amps				101.19	104.66	110.06										
Open Xfmr LUNA 500.00/LUNA 345.00 #1	400	1547.97	1857.56	Amps				100.84	104.42	109.87										
Open Line HACKBERY 230.00-MORENCI 230.00 #1	48	1547.97	1857.56	Amps				101.01	104.44	109.75										

AREA	ZONE	TYPE	NOTES	High Plains Express Contingency	11b30c7	11b35c7	11b40c7	11b45c7	11b50c7
(All)	(All)	(All)	EMERGENCY RATING VIOLATION	At least a 3% decrease from previous case	3000 MW gen	3500 MW gen	4000 MW gen	4500 MW gen	5000 MW gen
				Change of less than ± 3% from previous case	70% Comp	70% Comp	70% Comp	70% Comp	70% Comp
				At least a 3% increase from previous case	Pre Project				

  

E PCT				BASECASE							
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav
WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	1547.97	1857.56	Amps				101.1	104.62	110.01
	Open Line SHIPROCK 345.00-SAN_JUAN 345.00 #1	105	1547.97	1857.56	Amps				100.69	104.15	109.44
	Open Line GUNBARRE 230.00-NIWOT 230.00 #1	258	1547.97	1857.56	Amps				100.69	104.12	
	Open Line SAGUARO 230.00-CASGRAPS 230.00 #1	19	1547.97	1857.56	Amps					104.05	
	Open Line CASPERPP 230.00-DAVEJOHN 230.00 #1	124	1547.97	1857.56	Amps					104.11	
	Open Line FT.CRAIG 345.00-SPRINGR 345.00 #1	370	1547.97	1857.56	Amps					104.44	109.87
WINCHSTR 345.00-VAIL 345.00 #1 2	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	1499.44	2024.91	Amps						102.19
	Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	1499.44	2024.91	Amps						101.77
	Open Line FOURCORN 345.00-CHOLLA 345.00 #1	8	1499.44	2024.91	Amps						101.23
	Open Line FOURCORN 345.00-CHOLLA 345.00 #2	9	1499.44	2024.91	Amps						101.22
	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	1499.44	2024.91	Amps						100.48
	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1499.44	2024.91	Amps						103.95
	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	1499.44	2024.91	Amps						100.56
	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1499.44	2024.91	Amps		107.07	111.08	115.32	118.48	124.06
	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	1499.44	2024.91	Amps						100.52
	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1499.44	2024.91	Amps			100.23	103.8	106.65	111.55
	Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	1499.44	2024.91	Amps						100.44
	Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	1499.44	2024.91	Amps						100.44
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	1499.44	2024.91	Amps						100.38
	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1499.44	2024.91	Amps						100.79
	Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1499.44	2024.91	Amps						100.78
	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1499.44	2024.91	Amps						100.73
	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1499.44	2024.91	Amps						100.72
	Open Line RME 500.00-FCW 500.00 #1	71	1499.44	2024.91	Amps						103.57
	Open Line LUNA 345.00-DIABLO 345.00 #1	76	1499.44	2024.91	Amps						100.88
	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	1499.44	2024.91	Amps						102.8
	Open Line CF&IFURN 230.00-COMANCHE 230.00 #1	145	1499.44	2024.91	Amps						100.84
	Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1499.44	2024.91	Amps						100.57
	Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	1499.44	2024.91	Amps						100.38
	Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	1499.44	2024.91	Amps						100.59
	Open Line SNTAROSA 230.00-DBG 230.00 #1	22	1499.44	2024.91	Amps						100.81
	Open Line WINCHSTR 500.00-PINAL_S 500.00 #1	398	1499.44	2024.91	Amps		106.59	113.63	120.83	126.89	136.44
	Open Line CHOLLA 500.00-SAGUARO 500.00 #1	1	1499.44	2024.91	Amps						103.47
	Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	1499.44	2024.91	Amps						101.1
	Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	1499.44	2024.91	Amps						100.85
	Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	1499.44	2024.91	Amps						100.92
	Open Line BROWNING 500.00-KYRENE 500.00 #1	25	1499.44	2024.91	Amps						101.63
	Open Line SNTAROSA 500.00-PINAL_W 500.00 #1	26	1499.44	2024.91	Amps				100.97		107.53
	Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	1499.44	2024.91	Amps						102.47
	Open Line BUTERFLD 230.00-G.SLOAN 230.00 #1	44	1499.44	2024.91	Amps					102.02	106.93
	Open Line G.SLOAN 230.00-PANTANO 230.00 #1	45	1499.44	2024.91	Amps				100.3		105.21
	Open Line BUTERFLD 230.00-SAN RAF 230.00 #1	46	1499.44	2024.91	Amps						100.55
	Open Line PANTANO 230.00-NEWTUCSN 230.00 #1	52	1499.44	2024.91	Amps						103.29
	Open Line GLEN PS 230.00-NAVAJO 230.00 #1	61	1499.44	2024.91	Amps						100.97
	Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	1499.44	2024.91	Amps						101.2
	Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63	1499.44	2024.91	Amps						101.07
	Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65	1499.44	2024.91	Amps						100.97
	Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	1499.44	2024.91	Amps						101.2
	Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368	1499.44	2024.91	Amps						100.85
	Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	1499.44	2024.91	Amps						100.78
	Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1499.44	2024.91	Amps				100.66	104.96	111.59
	Open Line NEWMAN 345.00-AFTON 345.00 #1	80	1499.44	2024.91	Amps						101.33
Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1499.44	2024.91	Amps						100.65	
Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	1499.44	2024.91	Amps						100.58	
Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	1499.44	2024.91	Amps						100.72	
Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	1499.44	2024.91	Amps						100.73	
Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	1499.44	2024.91	Amps						100.65	
Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	1499.44	2024.91	Amps						100.59	
Open Line SPRINGR 500.00-SES 500.00 #1	383	1499.44	2024.91	Amps						103.39	
Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	1499.44	2024.91	Amps						100.65	
Open Line NEWTUCSN 230.00-SAHUARIT 230.00 #1	53	1499.44	2024.91	Amps						102.76	
Open Line SILVERKG 500.00-BROWNING 500.00 #1	24	1499.44	2024.91	Amps						101.24	
Open Line SAHUARIT 230.00-BICKNELL 230.00 #1	56	1499.44	2024.91	Amps						101.76	

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project	11b30c7	3000 MW gen	70% Comp					
ZONE	(All)	At least a 3% decrease from previous case	11b35c7	3500 MW gen	70% Comp							
TYPE	(All)	Change of less than ± 3% from previous case	11b40c7	4000 MW gen	70% Comp							
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	11b45c7	4500 MW gen	70% Comp							
			11b50c7	5000 MW gen	70% Comp							
E PCT				BASECASE								
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav	
WINCHSTR 345.00-VAIL 345.00 #1 2	Open Line MOENKOPI 500.00-RME 500.00 #1	67	1499.44	2024.91	Amps						100.66	
	Open Line NAVAJO 500.00-RME 500.00 #1	68	1499.44	2024.91	Amps						100.45	
	Open Line LUNA 345.00-AFTON 345.00 #1	78	1499.44	2024.91	Amps						100.97	
	Open Xfmr LUNA 500.00/LUNA 345.00 #1	400	1499.44	2024.91	Amps						100.79	
	Open Line HACKBERY 230.00-MORENCI 230.00 #1	48	1499.44	2024.91	Amps						100.68	
	Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	1499.44	2024.91	Amps						100.92	
	Open Line SHIPROCK 345.00-SAN_JUAN 345.00 #1	105	1499.44	2024.91	Amps						100.39	
	Open Line FT.CRAIG 345.00-SPRINGR 345.00 #1	370	1499.44	2024.91	Amps						100.79	
	WINCHSTR 345.00-VAIL 345.00 #1 3	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	1547.97	1857.56	Amps				102.38	105.91	111.4
		Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	1547.97	1857.56	Amps				102.1	105.53	110.94
Open Line FOURCORN 345.00-CHOLLA 345.00 #1		8	1547.97	1857.56	Amps				101.51	105.01	110.35	
Open Line FOURCORN 345.00-CHOLLA 345.00 #2		9	1547.97	1857.56	Amps				101.5	105	110.33	
Open Line CHOLLA 230.00-LEUPP 230.00 #1		12	1547.97	1857.56	Amps				100.79	104.23	109.53	
Open Line CORONADO 500.00-SILVERKG 500.00 #1		23	1547.97	1857.56	Amps				104.17	107.21	113.31	
Open Line GREENLEE 345.00-COPPERVR 345.00 #1		29	1547.97	1857.56	Amps				100.86	104.31	109.61	
Open Line SPRINGR 345.00-VAIL2 345.00 #1		34	1547.97	1857.56	Amps				125.7	129.15	135.24	
Open Line COPPERVR 230.00-FRISCO 230.00 #1		39	1547.97	1857.56	Amps		116.71	121.09	100.82	104.27	109.57	
Open Line APACHE 230.00-BUTERFLD 230.00 #1		40	1547.97	1857.56	Amps		105.51	109.26	113.15	116.26	121.6	
Open Line GREEN-AE 345.00-GREENLEE 345.00 #1		49	1547.97	1857.56	Amps				100.75	104.2	109.49	
Open Line MORENCI 230.00-GREEN-AE 230.00 #1		50	1547.97	1857.56	Amps				100.75	104.2	109.49	
Open Line PD-MORNC 230.00-FRISCO 230.00 #1		54	1547.97	1857.56	Amps				100.7	104.14	109.42	
Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1		57	1547.97	1857.56	Amps				101.11	104.52	109.87	
Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2		58	1547.97	1857.56	Amps				101.1	104.51	109.86	
Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1		59	1547.97	1857.56	Amps				101.05	104.46	109.8	
Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2		60	1547.97	1857.56	Amps				101.05	104.46	109.8	
Open Line RME 500.00-FCW 500.00 #1		71	1547.97	1857.56	Amps				103.61	107.22	112.9	
Open Line LUNA 345.00-DIABLO 345.00 #1		76	1547.97	1857.56	Amps				101.13	104.57	109.97	
Open Line B-A 345.00-GUADLUPE 345.00 #1		84	1547.97	1857.56	Amps				102.58	106.3	112.07	
Open Line CF&FURN 230.00-COMANCHE 230.00 #1		145	1547.97	1857.56	Amps				101.17	104.61	109.93	
Open Line COMANCHE 230.00-WALSENBG 230.00 #1		148	1547.97	1857.56	Amps				100.92	104.35	109.63	
Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1		352	1547.97	1857.56	Amps				100.7	104.14	109.42	
Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1		374	1547.97	1857.56	Amps				100.9	104.36	109.66	
Open Line SNTAROSA 230.00-DBG 230.00 #1		22	1547.97	1857.56	Amps				101.17	104.58	109.89	
Open Line WINCHSTR 500.00-PINAL_S 500.00 #1		398	1547.97	1857.56	Amps		116.2	123.87	131.71	138.32	148.73	
Open Line CHOLLA 500.00-SAGUARO 500.00 #1		1	1547.97	1857.56	Amps				103.94	107.27	112.79	
Open Line YAVAPAI 500.00-WESTWING 500.00 #1		5	1547.97	1857.56	Amps				101.39	104.85	110.21	
Open Line CHOLLA 345.00-PNPKAPS 345.00 #1		6	1547.97	1857.56	Amps				101.14	104.58	109.94	
Open Line CHOLLA 345.00-PREHCYN 345.00 #1		7	1547.97	1857.56	Amps				101.21	104.65	110.01	
Open Line BROWNING 500.00-KYRENE 500.00 #1		25	1547.97	1857.56	Amps				101.77	105.34	110.79	
Open Line SNTAROSA 500.00-PINAL_W 500.00 #1		26	1547.97	1857.56	Amps				105.53	110.06	117.22	
Open Line SPRINGR 345.00-CORONADO 345.00 #1		32	1547.97	1857.56	Amps				102.49	106.14	111.7	
Open Line PINALWES 345.00-SOUTH 345.00 #1		38	1547.97	1857.56	Amps				102.11	104.29		
Open Line BUTERFLD 230.00-G.SLOAN 230.00 #1		44	1547.97	1857.56	Amps		100.19	103.96	107.84	111.21	116.56	
Open Line G.SLOAN 230.00-PANTANO 230.00 #1		45	1547.97	1857.56	Amps			102.01	105.89	109.34	114.69	
Open Line BUTERFLD 230.00-SAN RAF 230.00 #1		46	1547.97	1857.56	Amps				100.9	104.32	109.6	
Open Line PANTANO 230.00-NEWTUCSN 230.00 #1		52	1547.97	1857.56	Amps				103.72	107.25	112.6	
Open Line GLEN PS 230.00-NAVAJO 230.00 #1		61	1547.97	1857.56	Amps				101.18	104.69	110.06	
Open Line KAYENTA 230.00-SHIPROCK 230.00 #1		62	1547.97	1857.56	Amps				101.41	104.92	110.31	
Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63	1547.97	1857.56	Amps				101.29	104.8	110.18		
Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65	1547.97	1857.56	Amps				101.18	104.69	110.06		
Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	1547.97	1857.56	Amps				101.55	104.99	110.32		
Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368	1547.97	1857.56	Amps				101	104.51	109.93		
Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	1547.97	1857.56	Amps				101.07	104.64			
Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	1547.97	1857.56	Amps				100.85	104.53	109.86		
Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1547.97	1857.56	Amps			104.57	109.73	114.42	121.64		
Open Line NEWMAN 345.00-AFTON 345.00 #1	80	1547.97	1857.56	Amps				101.56	105	110.46		
Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1547.97	1857.56	Amps				100.99	104.43	109.71		
Open Xfmr REUNION 115.00/REUNION 230.00 #1	353	1547.97	1857.56	Amps					104.09			
Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	1547.97	1857.56	Amps				100.85	104.31	109.64		
Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	1547.97	1857.56	Amps				100.96	104.44	109.8		
Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	1547.97	1857.56	Amps				100.96	104.45	109.8		
Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	1547.97	1857.56	Amps				100.87	104.36	109.72		
Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	1547.97	1857.56	Amps				100.83	104.31	109.65		

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project	11b30c7	3000 MW gen	70% Comp	11b35c7	3500 MW gen	70% Comp	11b40c7	4000 MW gen	70% Comp	11b45c7	4500 MW gen	70% Comp	11b50c7	5000 MW gen	70% Comp
ZONE	(All)	At least a 3% decrease from previous case																	
TYPE	(All)	Change of less than ± 3% from previous case																	
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case																	
E PCT																			
OVERLOADED ELEMENT		CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE												
							pre10hs17.sav	11b30c7.sav	11b35c7.sav	11b40c7.sav	11b45c7.sav	11b50c7.sav							
WINCHSTR	345.00-VAIL 345.00 #1 3	Open Line SPRINGR 500.00-SES 500.00 #1	383	1547.97	1857.56	Amps				103.56	107.03	112.71							
		Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	1547.97	1857.56	Amps				100.74	104.31	109.71							
		Open Line NEWTUCSN 230.00-SAHUARIT 230.00 #1	53	1547.97	1857.56	Amps				103.14	106.68	112.02							
		Open Line SILVERKG 500.00-BROWNING 500.00 #1	24	1547.97	1857.56	Amps				101.53	104.99	110.36							
		Open Line SAHUARIT 230.00-BICKNELL 230.00 #1	56	1547.97	1857.56	Amps				102.01	105.58	110.92							
		Open Line MOENKOPI 500.00-RME 500.00 #1	67	1547.97	1857.56	Amps				100.98	104.41	109.73							
		Open Line NAVAJO 500.00-RME 500.00 #1	68	1547.97	1857.56	Amps				100.67	104.16	109.49							
		Open Line LUNA 345.00-AFTON 345.00 #1	78	1547.97	1857.56	Amps				101.19	104.66	110.06							
		Open Xfmr LUNA 500.00/LUNA 345.00 #1	400	1547.97	1857.56	Amps				100.84	104.42	109.87							
		Open Line HACKBERY 230.00-MORENCI 230.00 #1	48	1547.97	1857.56	Amps				101.01	104.44	109.75							
		Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	1547.97	1857.56	Amps				101.1	104.62	110.01							
		Open Line SHIPROCK 345.00-SAN JUAN 345.00 #1	105	1547.97	1857.56	Amps				100.69	104.15	109.44							
		Open Line GUNBARRE 230.00-NIWOT 230.00 #1	258	1547.97	1857.56	Amps				100.69	104.12								
		Open Line SAGUARO 230.00-CASGRAPS 230.00 #1	19	1547.97	1857.56	Amps					104.05								
		Open Line CASPERPP 230.00-DAVEJOHN 230.00 #1	124	1547.97	1857.56	Amps					104.11								
		Open Line FT.CRAIG 345.00-SPRINGR 345.00 #1	370	1547.97	1857.56	Amps					104.44	109.87							
		Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	840	1200	MVA					105.01	112.11							
WRAY	230.00-N.YUMA 230.00 #1 1	Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	705.37	705.37	Amps						106.8							
WRAY	230.00-WRAY 115.00 #1 0	Open Line PAWNEE 230.00-STORY 230.00 #1	158	186	186	MVA		138.08	135.35	132.14	130.63	118.86							
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	186	186	MVA		137.66	134.99	131.9	130.53	119.17							
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	186	186	MVA		137.24	134.56	131.47	130.07	118.66							
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	186	186	MVA		138.07	135.57	132.69	131.41	120.44							
		Open Line WESTHILL 230.00-STEGALL 230.00 #1	179	186	186	MVA		137.27	134.61	131.53	130.12	118.75							
		Open Line LAR.RIVR 230.00-STEGALL 230.00 #1	180	186	186	MVA		137.72	135.1	132.08	130.73	119.43							
		Open Line ARCHER 345.00-STORY 345.00 #1	181	186	186	MVA		137.52	134.92	131.91	130.58	119.33							
		Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	186	186	MVA		138.82	136.25	133.18	131.96	120.86							
		Open Line N.YUMA 230.00-WRAY 230.00 #1	184	186	186	MVA		144.91	141.23	137.19	135.14	123.09							
		Open Line SIDNEY 230.00-STEGALL 230.00 #1	187	186	186	MVA		140.66	138.15	135.21	133.98	122.89							
		Open Line STORY 345.00-ARCHER 345.00 #1	191	186	186	MVA		137.52	134.92	131.91	130.58	119.33							
		Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	186	186	MVA		140.89	138.34	135.56	134.19	123.2							
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	186	186	MVA					130.05	118.93							
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	186	186	MVA		142.01	139.45	136.83	135.27	124.33							
		Open Line STORY 230.00-PAWNEE 230.00 #1	306	186	186	MVA		138.08	135.35	132.14	130.63	118.86							
		Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	186	186	MVA		140.04	137.25	133.93	132.54	120.97							
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	186	MVA		155.76	159.84	165.59	170.05	170.05							
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	186	186	MVA		139.03	136.66	133.81	133.67	123.09							
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	186	186	MVA		139.5	137.38	135.15	134.65								
		Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	186	186	MVA		137.35	134.73	131.71	130.37	118.77							
		Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	186	186	MVA		138.28	135.93	133.31	131.97	120.85							
		Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	186	186	MVA		138.16	135.79	133.19	131.85	120.72							
		Open Xfmr LAR.RIVR 500.00/LAR.RIVR 345.00 #1	399	186	186	MVA		137.89	135.25	132.24	130.9	120.13							
		Drop Generator at DJ GEN 2 16.00 #1, 500 MW Dropped	405	186	186	MVA		138.28	135.93	133.31	131.97	120.85							
		Drop Generator at LR GEN 2 16.00 #1, 500 MW Dropped	410	186	186	MVA		138.16	135.79	133.19	131.85	120.72							
		Open Line DAVEJOHN 230.00-STEGALL 230.00 #1	134	186	186	MVA						118.61							
		Drop Generator at DJ GEN 3 16.00 #1, 500 MW Dropped	406	186	186	MVA		138.28	135.93	133.31	131.97	120.85							
		Drop Generator at LR GEN 3 16.00 #1, 500 MW Dropped	411	186	186	MVA		138.16	135.79	133.19	131.85	120.72							
		Drop Generator at DJ GEN 4 16.00 #1, 500 MW Dropped	407	186	186	MVA			135.93	133.31	131.97	120.85							
		Open Line STEGALDC 230.00-STEGALL 230.00 #1	189	186	186	MVA				131.46	130.04	118.68							
		Drop Generator at LR GEN 4 16.00 #1, 500 MW Dropped	412	186	186	MVA				133.19	131.85	120.72							
		Drop Generator at DJ GEN 5 16.00 #1, 500 MW Dropped	408	186	186	MVA					131.97	120.85							
		Drop Generator at LR GEN 5 16.00 #1, 500 MW Dropped	413	186	186	MVA						120.72							

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project																
ZONE	(All)	At least a 3% decrease from previous case	pst10b_30	3000 MW gen	70% Comp	12b40c7d1d	4000 MW gen	70% Comp, 1d												
TYPE	(All)	Change of less than ± 3% from previous case	11b10c7d1a	3000 MW gen	70% Comp, 1a	11b10c7d1a	1000 MW gen	70% Comp, 2a												
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	11b20c7d1b	2000 MW gen	70% Comp, 1b	11b20c7d1b	2000 MW gen	70% Comp, 2b												
			11b30c7d1c	3000 MW gen	70% Comp, 1c	11b30c7d1c	1000 MW gen	70% Comp, 3a												
E PCT		BASECASE																		
OVERLOADED ELEMENT		CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10b_30.sav	pst10b_30sc7.sav	11b10c7d1a.sav	11b20c7d1b.sav	11b30c7d1c.sav	12b40c7d1d.sav	11b10c7d2a.sav	11b20c7d2b.sav	11b10c7d3a.sav				
APT TAP2	115.00-APT MEM	115.00 #1 1	Open Line BURLNGTN 500.00-BSNDYSYC1 500.00 #1	200	497.02	497.02	Amps	101.68												
			Open Line B.SANDY 500.00-BSNDYSYC1 500.00 #1	200	497.02	497.02	Amps	100.57												
ASPEN	115.00-JOSEPH	115.00 #1 1	Open Line WESTMESA345.00-SANDIA 345.00 #1	95	1616.58	1616.58	Amps						110.75	105.3	120.59					118.96
AULT	345.00-LAR RIVR	345.00 #1 1	Open Line LAR RIVR 345.00-ARCHER 345.00 #1	182	1599.85	1599.85	Amps													
			Open Line LAR RIVR 500.00-WRAY 500.00 #1	389	1599.85	1599.85	Amps													
AUSTIN N	115.00-DYER	115.00 #1 1	Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63												
AVILA_T	115.00-NO_BERN	115.00 #1 1	Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	778.17	778.17	Amps						103.99	104.72	102.14				103.28	108.74
			Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	778.17	778.17	Amps							102.33					102.59	113.04
B-A	115.00-NO_BERN	115.00 #1 1	Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	778.17	778.17	Amps												102.59	113.04
B-A	345.00-B-A	115.00 #1 0	Open Line B-A 345.00-NORTON 345.00 #1	85	448	448	MVA							101.23	102.79	105.35			106.58	104.85
			Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	448	448	MVA								101.41	106.47	107.84		112.46	108.58
			Open Line WESTMESA345.00-SANDIA 345.00 #1	95	448	448	MVA												101.13	102.02
BICKNELL	345.00-BICKNELL	230.00 #1 0	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	150	193	MVA												105.75	105.41
BIGGS	115.00-NEWMAN	115.00 #1 1	Open Line NCI 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27											105.75	105.41
BOONRAIG	500.00-GLADSTON	500.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	3464.1	3810.51	Amps	101.27											102.54	101.18
BOONE	500.00-GLADSTON	500.00 #1 2	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	3464.1	3810.51	Amps													
BOONE	500.00-GLADSTON	500.00 #1 3	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	3464.1	3810.51	Amps													
BRANDOW	230.00-KYRENE	230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1600.01	1600.01	Amps													
CENTRALP	115.00-WESTMS	1 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps													
COOLDIDGE	230.00-SPKHILTP	230.00 #1 1	Open Line SNTAROSA 230.00-SPKHILTP 230.00 #1	22	800.76	853.47	Amps													
			Open Line SNTAROSA 500.00-PINAL W 500.00 #1	26	800.76	853.47	Amps													
			Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	800.76	853.47	Amps													
			Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	800.76	853.47	Amps													
COPPERVR	345.00-COPPERVR	230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45											106.35	106.12
			Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88											134.39	127.28
			Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.81											133.81	126.71
			Open Line MORENCI 230.00-PD-MORING 230.00 #1	51	200	224	MVA	100.56											100.56	100.46
			Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38												
CORONA	500.00-FT.CRAIG	500.00 #1 1	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	3464.1	3810.51	Amps													
CORONA	500.00-FT.CRAIG	500.00 #1 2	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	3464.1	3810.51	Amps													
CORONA	500.00-FT.CRAIG	500.00 #1 3	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	3464.1	3810.51	Amps													
CORONA	500.00-FT.CRAIG	500.00 #2 1	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	3464.1	3810.51	Amps													
CORONA	500.00-FT.CRAIG	500.00 #2 2	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	3464.1	3810.51	Amps													
CORONA	500.00-FT.CRAIG	500.00 #2 3	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	3464.1	3810.51	Amps													
CTRYCLUB	230.00-LINCSTR	230.00 #1 1	Open Line REACH 230.00-PNPKAPS 230.00 #1	14	1399.95	2035.03	Amps													
DANIELPK	345.00-DANIELPK	230.00 #1 0	Open Xlmr DANIELPK 230.00-DANIELPK 345.00 #2	320	560	560	MVA												100.31	100.27
			Open Xlmr DANIELPK 230.00-DANIELPK 345.00 #3	321	560	560	MVA												100.31	100.27
EGYCINTR	230.00-EGYCINTR	500.00 #1 0	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	600	600	MVA												103.14	103.11
EGYCINTR	230.00-EGYCINTR	500.00 #2 0	Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	600	600	MVA												137.4	135.06
EMBUDO	115.00-TRAMWAY	115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	717.92	717.92	Amps													
FLAGSTAF	345.00-PINPKBRB	345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1496.01	1647	Amps	124.25											141.69	129.47
			Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1496.01	1647	Amps	122.03											139.15	127.16
FLAGSTAF	345.00-PINPKBRB	345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1247	1677	Amps	122.03											125.03	127.16
			Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.34	1676.99	Amps	124.24											141.69	129.47
FLAGSTAF	345.00-PINPKBRB	345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1496.01	1647	Amps	124.24											141.69	129.47
FLAGSTAF	345.00-PINPKBRB	345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1247	1677	Amps	122.02											139.15	127.15
			Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1250.34	1676.99	Amps	124.24											141.69	129.47
FOURCIAA	100.00-FOURCORN	500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.01												
FOURCORN	345.00-FOURCIAA	100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.49												
FOURHILL	115.00-LAWRNCET	115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps													
FT CRAIG	345.00-ARROYO	345.00 #1 1	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	840	1200	MVA													
FT.CRAIG	345.00-FT.CRAIG	500.00 #1 0	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	840	1200	MVA													
FT.CRAIG	500.00-FT.CRAIG	345.00 #1 0	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	840	1200	MVA													
FTLUPTON	230.00-FTLUPTON	115.00 #13 0	Open Line LEGGETT 230.00-PLNENSS 230.00 #1	153	280	280	MVA	103.89											112.13	108.35
			Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA												107.16	104.2
			Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97											110.53	107.22
			Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	110.53											107.22	104.15
			Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.85											105.16	105.16
			Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	111.48											108.51	105.85
			Open Line B.SANDY 230.00-LINCOLNT 230.00 #1	175	280	280	MVA												107.74	106.73









Appendix A: Power Flow Summary Results  
Eastern and Western Corridors - Renewables Dispatch Scenarios

All Contingencies

AREA	ZONE	TYPE	NOTES	(All)	(All)	(All)	High Plains Express Contingency	At least a 3% decrease from previous case	Change of less than ± 3% from previous case	At least a 3% increase from previous case	pre10hs17 pst10b_30 pst10b_30sc7 11b10c7d1a 11b20c7d1b 11b30c7d1c	Pre Project 3000 MW gen 3000 MW gen 1000 MW gen 2000 MW gen 3000 MW gen	70% Comp	70% Comp, 1a	70% Comp, 1b	70% Comp, 1c	12b40c7d1d 11b10c7d2a 11b20c7d2b 11b10c7d3a	4000 MW gen 1000 MW gen 2000 MW gen 1000 MW gen	70% Comp, 1d 70% Comp, 2a 70% Comp, 2b 70% Comp, 3a								
E PCT				BASECASE																							
OVERLOADED ELEMENT				CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10b_30.sav	pst10b_30sc7.sav	11b10c7d1a.sav	11b20c7d1b.sav	11b30c7d1c.sav	12b40c7d1d.sav	11b10c7d2a.sav	11b20c7d2b.sav	11b10c7d3a.sav									
RD_NIXON	230.00-MIDWAYBR	230.00 #1	1	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	1209.93	1209.93	Amps	100.33												103.52						
				Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	1209.93	1209.93	Amps	100.33														103.52				
				Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	1209.93	1209.93	Amps																	101.04		
				Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	1209.93	1209.93	Amps																		101.05	
				Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1	318	1209.93	1209.93	Amps	100.68																	102.16	
				Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	1209.93	1209.93	Amps	100.11																	101.52	
				Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	1209.93	1209.93	Amps	100.11																	101.52	
				Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	1209.93	1209.93	Amps	100.11																		101.52
				Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1209.93	1209.93	Amps																			101.2
				Open Xfmr MIDWAYPS 115.00/MIDWAYPS 230.00 #T1	327	1209.93	1209.93	Amps																			100.65
				Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	1209.93	1209.93	Amps	107.89									102.54	101.04								108.49
				Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	1209.93	1209.93	Amps																			100.62
				Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	1209.93	1209.93	Amps																			100.62
				Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	1209.93	1209.93	Amps																			100.82
				Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1	337	1209.93	1209.93	Amps	100.76																		102.33
				Open Xfmr WATERTON 115.00/WATERTON 230.00 #T1	342	1209.93	1209.93	Amps																			100.45
				Open Xfmr WATERTON 115.00/WATERTON 230.00 #T2	343	1209.93	1209.93	Amps																			100.45
				Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	1209.93	1209.93	Amps	107.93																		108.73
				Open Xfmr SULPHUR 115.00/SULPHUR 230.00 #T1	346	1209.93	1209.93	Amps																			100.49
				Open Xfmr SULPHUR 115.00/SULPHUR 230.00 #T2	347	1209.93	1209.93	Amps																			100.49
				Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #T1	348	1209.93	1209.93	Amps																			100.45
				Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #T1	349	1209.93	1209.93	Amps																			100.63
				Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	1209.93	1209.93	Amps																			100.63
				Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	1209.93	1209.93	Amps																			100.99
				Open Xfmr BOONE 115.00/BOONE 230.00 #T1	355	1209.93	1209.93	Amps																			100.74
				Open Line BOONE 500.00-GLADSTON 500.00 #T1	379	1209.93	1209.93	Amps																			101.7
				Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #T1	387	1209.93	1209.93	Amps										101.13	100.1								109.14
				Open Line FT CRAIG 500.00-LUNA 500.00 #T1	396	1209.93	1209.93	Amps																			101.26
				Open Line LUNA 500.00-WINCHSTR 500.00 #T1	397	1209.93	1209.93	Amps																			100.79
				Open Xfmr WRAY 500.00/WRAY 230.00 #T1	402	1209.93	1209.93	Amps																			100.84
				Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	1209.93	1209.93	Amps																			100.41
				Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	1209.93	1209.93	Amps																			100.42
				Open Xfmr LAR RIVR 500.00/LAR RIVR 345.00 #T1	399	1209.93	1209.93	Amps																			100.72
				Open Line GLADSTON 500.00-GUADLUPE 500.00 #T1	379	1209.93	1209.93	Amps																			100.6
				Open Line CORONA 500.00-FT CRAIG 500.00 #T1	381	1209.93	1209.93	Amps																			100.67
				Open Line FT CRAIG 500.00-SPRINGR 500.00 #T1	382	1209.93	1209.93	Amps																			100.83
				Open Line GLADSTON 500.00-GUADLUPE 500.00 #T2	393	1209.93	1209.93	Amps																			100.6
				Open Line CORONA 500.00-FT CRAIG 500.00 #T2	395	1209.93	1209.93	Amps																			100.67
				Open Line GLADSTON 230.00/WALSLENGB 230.00 #T1	115	1209.93	1209.93	Amps	100.19																		100.76
				Open Line BOONE 230.00/COMANCHE 230.00 #T1	142	1209.93	1209.93	Amps																			100.76
				Open Line B.SANDY 230.00-BEAVERCK 230.00 #T1	176	1209.93	1209.93	Amps	100.27																		
				Open Line BURLNGTN 500.00-BURLSC2 500.00 #T1	201	1209.93	1209.93	Amps	100.77																		
				Open Line SPRINGR 500.00-SES 500.00 #T1	383	1209.93	1209.93	Amps																			100.53
				Drop Generator at PN GEN 2 16.00 #1, 500 MW Dropped	416	1209.93	1209.93	Amps																			100.27
				Open Line ARCHER 230.00-AULT 230.00 #T1	168	1209.93	1209.93	Amps																			100.42
				Open Line ARCHER 230.00-SITEGALL 230.00 #T1	169	1209.93	1209.93	Amps																			100.41
				Open Line BEAVERCK 230.00-HOYT 230.00 #T1	195	1209.93	1209.93	Amps																			100.44
				Drop Generator at PN GEN 3 16.00 #1, 500 MW Dropped	417	1209.93	1209.93	Amps																			100.27
				Open Line WESTMESA 345.00-SANDIA 345.00 #T1	95	783.19	783.19	Amps																			102.25
				Open Line NEWMAN 345.00-AFTON 345.00 #T1	80	720.93	982	Amps	100.65																		100.33
Open Line MIDWAYPS 230.00-FULLER 230.00 #T1	157	798.25	798.25	Amps	100.84																		100.33				
Open Line CORONADO 500.00-SILVERKGS 500.00 #T1	23	1099.3	1099.3	Amps																			100.82				
Open Line JOJOBA 500.00-KYRENE 500.00 #T1	27	1099.3	1099.3	Amps	100.39																		100.62				
Open Line CORONADO 500.00-SILVERKGS 500.00 #T1	23	1099.3	1099.3	Amps																			100.62				
Open Line JOJOBA 500.00-KYRENE 500.00 #T1	27	1099.3	1099.3	Amps	100.39																		100.62				
Open Line RIOPUERCO 345.00-WESTMESA 345.00 #T2	89	778.17	778.17	Amps																			100.36				
Open Line WESTMESA 345.00-SANDIA 345.00 #T1	95	778.17	778.17	Amps																			104.3				
Open Line WESTMESA 345.00-SANDIA 345.00 #T1	95	783.19	783.19	Amps																			103.65				
Open Line SAN JUAN 345.00-RIOPUERCO 345.00 #T1	113	1616.58	1616.58	Amps																			102.42				
Open Line WESTMESA 345.00-SANDIA 345.00 #T1	95	1616.58	1616.58	Amps																			101.77				
Open Line WESTMESA 345.00-SANDIA 345.00 #T1	95	1616.58	1616.58	Amps																			115.94				
Open Line WESTMESA 345.00-SANDIA 345.00 #T1	95	1616.58	1616.58	Amps																			110.5				
Open Line FOURCORN 500.00-MOENKOPF 50																											



Appendix A: Power Flow Summary Results  
Eastern and Western Corridors - Renewables Dispatch Scenarios

AREA	(All)	High Plains Express Contingency	pre10hs17 pst10b_30	Pre Project 3000 MW gen																		
ZONE	(All)	At least a 3% decrease from previous case	11b10c7d1a	11b10c7d1a	70% Comp	12b40c7d1d	4000 MW gen	70% Comp, 1d														
TYPE	(All)	Change of less than ± 3% from previous case	11b10c7d1a	11b10c7d1a	70% Comp, 1a	11b10c7d2a	1000 MW gen	70% Comp, 2a														
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	11b20c7d1b	2000 MW gen	70% Comp, 1b	11b20c7d2b	2000 MW gen	70% Comp, 2b														
			11b30c7d1c	3000 MW gen	70% Comp, 1c	11b10c7d3a	1000 MW gen	70% Comp, 3a														
E PCT			BASECASE																			
OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	pst10b_30.sav	pst10b_30sc7.sav	11b10c7d1a.sav	11b20c7d1b.sav	11b30c7d1c.sav	12b40c7d1d.sav	11b10c7d2a.sav	11b20c7d2b.sav	11b10c7d3a.sav							
WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line HACKBERRY 230.00-MORENCI 230.00 #1	48	1547.97	1857.56	Amps											100.91						
	Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	1547.97	1857.56	Amps											101.12						
	Open Line SHIPROCK 345.00-SAN JUAN 345.00 #1	105	1547.97	1857.56	Amps											100.64						
	Open Line GUNBARRE 230.00-NIWOT 230.00 #1	258	1547.97	1857.56	Amps											100.65						
WINCHSTR 345.00-VAIL 345.00 #1 2	Open Line FT.CRAIG 345.00-SPRINGR 345.00 #1	370	1547.97	1857.56	Amps											100.9						
	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1499.44	2024.91	Amps											100.9						
	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1499.44	2024.91	Amps											100.9						
	Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1499.44	2024.91	Amps											100.9						
WINCHSTR 345.00-VAIL 345.00 #1 3	Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1499.44	2024.91	Amps											100.9						
	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	1547.97	1857.56	Amps											100.9						
	Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	1547.97	1857.56	Amps											100.9						
	Open Line FOURCORN 345.00-CHOLLA 345.00 #1	8	1547.97	1857.56	Amps											100.9						

AREA	(All)	High Plains Express Contingency	pre10hs17	Pre Project														
ZONE	(All)	At least a 3% decrease from previous case	pst10b_30	3000 MW gen	70% Comp	12b40c7d1d	4000 MW gen	70% Comp, 1d										
TYPE	(All)	Change of less than ± 3% from previous case	pst10b_30sc7	3000 MW gen	70% Comp, 1a	11b10c7d1a	1000 MW gen	70% Comp, 2a										
NOTES	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	11b20c7d1b	2000 MW gen	70% Comp, 1b	11b20c7d2b	2000 MW gen	70% Comp, 2b										
			11b30c7d1c	3000 MW gen	70% Comp, 1c	11b10c7d3a	1000 MW gen	70% Comp, 3a										
<b>E PCT</b>																		
<b>OVERLOADED ELEMENT</b>																		
WRAY	230.00-WRAY	115.00 #1 0																
			<b>CONTINGENCY</b>	<b>NO</b>	<b>N RATE</b>	<b>E RATE</b>	<b>UNIT</b>	<b>BASECASE</b>	<b>pre10hs17.sav</b>	<b>pst10b_30.sav</b>	<b>pst10b_30sc7.sav</b>	<b>11b10c7d1a.sav</b>	<b>11b20c7d1b.sav</b>	<b>11b30c7d1c.sav</b>	<b>12b40c7d1d.sav</b>	<b>11b10c7d2a.sav</b>	<b>11b20c7d2b.sav</b>	<b>11b10c7d3a.sav</b>
			Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	186	186	MVA		137.2	140.9	151.25	152.02	149.75	127.85	152.63	151.99	156.26	
			Open Line EGYCNTR 500.00-POONE 500.00 #1	202	186	186	MVA		130.35					124.09		148.13		
			Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	186	186	MVA		138.66	142.01	152.01	152.77	150.47	128.44	153.13	152.47	156.74	
			Open Line STORY 230.00-PAWNEE 230.00 #1	306	186	186	MVA			138.09	148.07	148.43			149.36	148.17	152.64	
			Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	186	186	MVA										152.05	
			Open Xlrm MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	186	186	MVA										152	
			Open Xlrm WATERTON 230.00/WATERTON 345.00 #T1	344	186	186	MVA										152.02	
			Open Xlrm GLADSTON 500.00/GLADSTON 230.00 #1	374	186	186	MVA										152.05	
			Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	186	186	MVA				148.03				149.16	148.26	152.27	
			Open Xlrm PAWNEE 500.00/PAWNEE 230.00 #1	387	186	186	MVA		133.06	140.05	154.92	155.81	153.56	131.86	157.11	156.57	163.16	
			Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	186	MVA		143.59	155.76	156.08	165.17	171.63	164.67	154.37	164.55	154.58	
			Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	186	186	MVA		132.27	139.05	149.32	149.73	148.09	127.36	149.93	149.92	152.4	
			Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	186	186	MVA		131.44	139.51	149.77	151.01	149.84	129.74	151.45	152.13	154.85	
			Open Line FT CRAIG 500.00-LUNA 500.00 #1	396	186	186	MVA						146.2		148.06	148.36	152.18	
			Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	186	186	MVA		130.61	137.37				124.23		148.19	152.06	
			Open Xlrm LAMAR CO 500.00/LAMAR CO 230.00 #1	403	186	186	MVA				148.29	148.94	146.09					
			Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	186	186	MVA		132.41	138.29		148.59	146.38	124.44				
			Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	186	186	MVA		132.46	138.17		148.43	146.19	124.25				
			Drop Generator at PN GEN 1 18.00 #1, 300 MW Dropped	415	186	186	MVA							123.97				
			Open Xlrm LAR RIVR 500.00/LAR RIVR 345.00 #1	399	186	186	MVA				137.9	148.78	148.51	126.26		149.37	148.83	153.17
			Drop Generator at DJ GEN 2 16.00 #1, 500 MW Dropped	405	186	186	MVA		132.41	138.29		148.59	146.38	124.44				
			Drop Generator at LR GEN 2 16.00 #1, 500 MW Dropped	410	186	186	MVA		132.46	138.17		148.43	146.19	124.25				
			Open Line DAVEJOHN 230.00-STEGALL 230.00 #1	134	186	186	MVA						146.09	124.01				
			Open Xlrm GUADLUPE 500.00/GUADLUPE 345.00 #1	373	186	186	MVA		130.23									
			Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	186	186	MVA		130.32									
			Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	186	186	MVA		130.32									
			Drop Generator at DJ GEN 3 16.00 #1, 500 MW Dropped	406	186	186	MVA		132.41	138.29			146.38	124.44				
			Drop Generator at LR GEN 3 16.00 #1, 500 MW Dropped	411	186	186	MVA		132.46	138.17			146.19	124.25				
			Drop Generator at DJ GEN 4 16.00 #1, 500 MW Dropped	407	186	186	MVA							124.44				
			Drop Generator at LR GEN 4 16.00 #1, 500 MW Dropped	412	186	186	MVA							124.25				















Appendix A: Power Flow Summary Results  
Eastern and Western Corridors - 500 kV Double Circuit Tower Line Transfer Capability Studies

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency:	pre10hs17	Pre Project							
HPX N-2 Contingency	12b40c7d1d	4000 MW gen	70% Comp, 1d	12b60c7d1d	6000 MW gen	70% Comp, 1d			
At least a 3% decrease from previous case	12b55c7d1d	4500 MW gen	70% Comp, 1d	12b65c7d1d	6500 MW gen	70% Comp, 1d			
Change of less than ± 3% from previous case	12b50c7d1d	5000 MW gen	70% Comp, 1d	12b70c7d1d	7000 MW gen	70% Comp, 1d			
At least a 3% increase from previous case	12b55c7d1d	5500 MW gen	70% Comp, 1d	12b75c7d1d	7500 MW gen	70% Comp, 1d			

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE																		
							pre10hs17.sav	12b40c7d1d.sav	13b40c7d1e.sav	13b45c7d1e.sav	13b50c7d1e.sav	13b55c7d1e.sav	13b60c7d1e.sav	13b65c7d1e.sav	13b70c7d1e.sav	13b75c7d1e.sav									
SPKHILTP	230.00-COOLIDGE 230.00 #1	Open Line FOURCORN 345.00-CHOLLA 345.00 #2	9	800.76	853.47	Amps			108.2																
		Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	800.76	853.47	Amps			108.68		111.11	113.87													
		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	800.76	853.47	Amps		116.41	126.18		129.27	132.7	137.48	145.26											
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	800.76	853.47	Amps		107.6	116.5	118.49	120.77	123.32	125.95	128.22	132.18										
		Open Line APACHE 230.00-RED TAIL 230.00 #1	41	800.76	853.47	Amps				108.31	110.7	113.41													
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	800.76	853.47	Amps				109.88	112.31	115.07	117.59	120.13	123.24	127	133.08								
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	800.76	853.47	Amps				109.87	112.3	115.06	117.57	120.12	123.23	126.99	132.93								
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	800.76	853.47	Amps				109.7	112.12	114.87	117.38	119.91	123.03	126.78	132.13								
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	800.76	853.47	Amps				109.7	112.12	114.88	117.38	119.92	123.04	126.79	132.12								
		Open Line RME 500.00-FCW 500.00 #1	71	800.76	853.47	Amps		101.03	111.23	113.83	116.79				126.54	131.55									
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	800.76	853.47	Amps				109.15															
		Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	800.76	853.47	Amps		106.62	116.53	118.74	121.2	123.46	125.82	128.55	132.19	136.67									
		Open Line CFBURN 230.00-COMANCHE 230.00 #1	145	800.76	853.47	Amps				108.48	110.87	113.59													
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	800.76	853.47	Amps			106.39	115.69	120.09	122.47	125.06	127.25	131.07	135.07									
		Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	800.76	853.47	Amps				109.98	113.74														
		Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	800.76	853.47	Amps			102.78	112.91	115.48	118.39	121.06	127.46	131.45										
		Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	800.76	853.47	Amps			103.14	113.29	115.87	118.78			127.62	131.55									
		Open Line SAGUARO 230.00-TATMOMLI 230.00 #1	20	800.76	853.47	Amps				108.71	111.17	113.96													
		Open Line SNTAROSA 230.00-TATMOMLI 230.00 #1	21	800.76	853.47	Amps				108.57	111.03	113.82													
		Open Line BROWNING 500.00-KYRENE 500.00 #1	25	800.76	853.47	Amps				108.38	111.5	114.36	117.01	119.85	122.52	126.47									
		Open Line VAIL 345.00-SOUTH 345.00 #1	35	800.76	853.47	Amps				109.13	111.62														
		Open Line WESTWING 345.00-PINALWES 345.00 #1	36	800.76	853.47	Amps				109.61	112.17	115.08													
		Open Line PINALWES 345.00-SOUTH 345.00 #1	38	800.76	853.47	Amps						113.51													
		Open Line APACHE 230.00-WINCHSTR 230.00 #1	42	800.76	853.47	Amps				108.25	110.65	113.36													
		Open Line BUTERFLD 230.00-SAN RAF 230.00 #1	46	800.76	853.47	Amps				108.73	111.13	113.86													
		Open Line GLEN PS 230.00-NAVAJO 230.00 #1	61	800.76	853.47	Amps				109.37															
		Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65	800.76	853.47	Amps				109.37															
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	800.76	853.47	Amps				108.83	111.21														
		Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368	800.76	853.47	Amps				108.62	111.05														
		Open Xfmr FT.CRAIG 500.00-FT.CRAIG 345.00 #1	372	800.76	853.47	Amps				108.37															
		Open Xfmr GUADLUPE 500.00-GUADLUPE 345.00 #1	373	800.76	853.47	Amps						113.4													
		Open Xfmr WINCHSTR 500.00-WINCHSTR 345.00 #1	401	800.76	853.47	Amps						108.54													
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	800.76	853.47	Amps					110.74	113.45													
		Open Xfmr LUNA 500.00-LUNA 345.00 #1	400	800.76	853.47	Amps				108.3															
		Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	800.76	853.47	Amps					110.69	113.44													
		SPKHILTP	230.00-ROGSWAPA 230.00 #1	Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	1099.48	1099.48	Amps														100.29			
				Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1099.48	1099.48	Amps				100.35	103.01	106.72	112.76										
				Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	1099.48	1099.48	Amps																	
				Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1099.48	1099.48	Amps																103.3	
				Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1099.48	1099.48	Amps																103.18	
				Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1099.48	1099.48	Amps																	102.56
				Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1099.48	1099.48	Amps																	102.56
				Open Line RME 500.00-FCW 500.00 #1	71	1099.48	1099.48	Amps																	102.12
				Open Line RACEWAY 500.00-PNPKAPS 500.00 #1	109	1099.48	1099.48	Amps																	102.62
				Open Line SNTAROSA 230.00-DBS 230.00 #1	22	1099.48	1099.48	Amps								102.05	104.17	107.56	111.41						
Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28			1099.48	1099.48	Amps																	101.74		
Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6			1099.48	1099.48	Amps																	102.04		
Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7			1099.48	1099.48	Amps																	102.12		
Open Line SNTAROSA 500.00-PINAL W 500.00 #1	26			1099.48	1099.48	Amps							102.23	106.32	109.87	115.29									
Open Line SPRINGR 345.00-CORONADO 345.00 #1	32			1099.48	1099.48	Amps																	101.41		
Open Line VAIL 345.00-SOUTH 345.00 #1	35			1099.48	1099.48	Amps																	100.4		
Open Line WESTWING 345.00-PINALWES 345.00 #1	36			1099.48	1099.48	Amps																	101.57		
Open Line PINALWES 345.00-SOUTH 345.00 #1	38			1099.48	1099.48	Amps																	100.38		
Open Line GLEN PS 230.00-NAVAJO 230.00 #1	61			1099.48	1099.48	Amps																	100.83		
Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62			1099.48	1099.48	Amps																	101.56		
Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63			1099.48	1099.48	Amps																	101.15		
Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65			1099.48	1099.48	Amps																	100.81		
Open Line VAIL 345.00-SOUTH 345.00 #1	35			1488.98	1488.98	Amps																	102.38		
VERDE N 230.00-YAVAPAI 230.00 #1	1			12	800.01	1000.07	Amps																101.78		
VERDE S 230.00-COCOMINO 230.00 #1	1			12	529.66	529.66	Amps	121.99	122.98	121.98	122.29	122.58	123.05	123.57	124.07	123.98									
WALSENBG 230.00-WALSENBG 115.00 #1	0			Open Xfmr WALSENBG 230.00-WALSENBG 115.00 #2	341	100	100	MVA	103.57	112.15	111.11	110.46	109.21	107.89	106.52	104.72	102.99								
WALSENBG 230.00-WALSENBG 115.00 #2	0			Open Xfmr WALSENBG 230.00-WALSENBG 115.00 #1	340	100	100	MVA	103.8																











Appendix A: Power Flow Summary Results  
Eastern and Western Corridors - 500 kV Double Circuit Tower Line Transfer Capability Studies

AREA	(All)
ZONE	(All)
TYPE	(All)
NOTES	EMERGENCY RATING VIOLATION

High Plains Express Contingency	pre10hs17	Pre Project												
HPX N-2 Contingency	12b40c7d1d	4000 MW gen	70% Comp, 1d	12b60c7d1d	6000 MW gen	70% Comp, 1d								
At least a 3% decrease from previous case	12b45c7d1d	4500 MW gen	70% Comp, 1d	12b65c7d1d	6500 MW gen	70% Comp, 1d								
Change of less than ± 3% from previous case	12b50c7d1d	5000 MW gen	70% Comp, 1d	12b70c7d1d	7000 MW gen	70% Comp, 1d								
At least a 3% increase from previous case	12b55c7d1d	5500 MW gen	70% Comp, 1d	12b75c7d1d	7500 MW gen	70% Comp, 1d								

E PCT				BASECASE														
OVERLOADED ELEMENT				CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	12b40c7d1d.sav	13b40c7d1e.sav	13b45c7d1e.sav	13b50c7d1e.sav	13b55c7d1e.sav	13b60c7d1e.sav	13b65c7d1e.sav	13b70c7d1e.sav	13b75c7d1e.sav
WRAY	230.00-WRAY	115.00 #1	0	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	186	186	MVA	124.09									
				Open Line B SANDY 500.00-BSNDYSC1 500.00 #1	205	186	186	MVA	128.44									
				Open Line STORY 230.00-PAWNEE 230.00 #1	306	186	186	MVA	128.33	130.26	130.16	130.18	129.03	127.95	126.43	125.03	125.06	
				Open Xfmr PAWNEE 500.00-PAWNEE 230.00 #1	387	186	186	MVA	131.86	135.81	135.81	135.82	134.72	133.57	132.05	130.34	130.09	
				Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	186	186	MVA	164.67	129.37	129.36	129.62	128.87	128.22	127.1	125.92	125.84	
				Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	186	186	MVA	127.36				126.71	125.65	124.14	122.59	122.57	
				Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	186	186	MVA	129.74	128.39	128.44	128.45	127.51	126.51	124.97	123.44	123.37	
				Open Line LUNA 500.00-WINCHSTR 500.00 #1	397	186	186	MVA	124.23									
				Open Xfmr LAMAR CO 500.00-LAMAR CO 230.00 #1	403	186	186	MVA		128.44	128.15	128.16	126.67					
				Drop Generator at DJ GEN 1 16.00 #1, 500 MW Dropped	404	186	186	MVA	124.44	128.02	127.95	127.99	126.86	125.73	124.4	123.18	123.24	
				Drop Generator at LR GEN 1 16.00 #1, 500 MW Dropped	409	186	186	MVA	124.25			127.88	126.74	125.61	124.27	123.05	123.11	
				Drop Generator at PN GEN 1 18.00 #1, 300 MW Dropped	415	186	186	MVA	123.97						123.94	122.56	122.43	
				Open Xfmr LAR RIVR 500.00-LAR RIVR 345.00 #1	399	186	186	MVA	126.26	128.97	128.92	129.04	127.91	126.86	125.26	124.33	123.94	
				Drop Generator at DJ GEN 2 16.00 #1, 500 MW Dropped	405	186	186	MVA	124.44	128.02	127.95	127.99	126.95	125.73	124.4	123.18	123.24	
				Drop Generator at LR GEN 2 16.00 #1, 500 MW Dropped	410	186	186	MVA	124.25			127.88	126.74	125.61	124.27	123.05	123.11	
				Open Line DAVEJOHN 230.00-STEGALL 230.00 #1	134	186	186	MVA	124.01	127.99	127.87	127.85	126.69	125.5	123.95	122.36	122.01	
				Drop Generator at DJ GEN 3 16.00 #1, 500 MW Dropped	406	186	186	MVA	124.44	128.02	127.95	127.99	126.86	125.73	124.4	123.18	123.24	
				Drop Generator at LR GEN 3 16.00 #1, 500 MW Dropped	411	186	186	MVA	124.25			127.88	126.74	125.61	124.27	123.05	123.11	
				Drop Generator at DJ GEN 4 16.00 #1, 500 MW Dropped	407	186	186	MVA	124.44	128.02	127.95	127.99	126.86	125.73	124.4	123.18	123.24	
				Drop Generator at LR GEN 4 16.00 #1, 500 MW Dropped	412	186	186	MVA	124.25			127.88	126.74	125.61	124.27	123.05	123.11	
				Open Line LAMAR CO 230.00-LAMAR DC 230.00 #1	149	186	186	MVA		128.23	127.95	127.98						
				Drop Generator at BS GEN 1 18.00 #1, 300 MW Dropped	419	186	186	MVA									122.3	122.15
				Drop Generator at DJ GEN 5 16.00 #1, 500 MW Dropped	408	186	186	MVA			127.95	127.99	126.86	125.73	124.4	123.18	123.24	
				Drop Generator at LR GEN 5 16.00 #1, 500 MW Dropped	413	186	186	MVA				127.88	126.74	125.61	124.27	123.05	123.11	
				Drop Generator at DJ GEN 6 16.00 #1, 500 MW Dropped	436	186	186	MVA					126.86	125.73	124.4	123.18	123.24	
				Drop Generator at LR GEN 6 16.00 #1, 500 MW Dropped	441	186	186	MVA						125.61	124.27	123.05	123.11	
				Open Line STEGALDC 230.00-STEGALL 230.00 #1	189	186	186	MVA										121.96
				Drop Generator at DJ GEN 7 16.00 #1, 500 MW Dropped	437	186	186	MVA							124.4	123.18	123.24	
				Drop Generator at LR GEN 7 16.00 #1, 500 MW Dropped	442	186	186	MVA								123.05	123.11	
				Drop Generator at DJ GEN 8 16.00 #1, 500 MW Dropped	438	186	186	MVA										123.24
				Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1&2	446	186	186	MVA		128.76	128.52	128.33	126.81					
				Open Line WRAY 500.00-BURLNGTN 500.00 #1&2	457	186	186	MVA		157.12	161.01	166.03	170.29	175.66	180.05	184.36	189.06	
				Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1&2	458	186	186	MVA		131.38	131.88	131.99	131.55	131.15	130.05	128.87	130.95	
				Open Line LAMAR CO 500.00-GLADSTON 500.00 #1&2	459	186	186	MVA		133.12	133.84	134.23	134.09	134.02	133.19			

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
	APT TAP2 115.00-APT MEM 115.00 #1 1	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	497.02	497.02	Amps	101.68			
		Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	497.02	497.02	Amps	100.57			
	ASPEN 115.00-S.JOSEPH 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	1616.58	1616.58	Amps		105.30	105.78	105.54
	AUSTIN_N 115.00-DYER 115.00 #1 1	Open Line LUNA 345.00-DIABLO 345.00 #1	76	590.91	800.26	Amps	101.63			
	AVILA_T 115.00-NO_BERN 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	778.17	778.17	Amps		102.59	102.67	102.49
	B-A 115.00-NO_BERN 115.00 #1 1	Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	778.17	778.17	Amps		112.66	112.18	112.07
	B-A 345.00-B-A 115.00 #1 0	Open Line B-A 345.00-NORTON 345.00 #1	85	448	448	MVA		106.58	105.99	106.03
		Open Line RIOPUERC 345.00-WESTMESA 345.00 #2	89	448	448	MVA		112.68	111.74	111.79
		Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	448	448	MVA		100.87	100.30	100.34
	BICKNELL 345.00-BICKNELL 230.00 #1 0	Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	150	193	MVA		106.13	106.10	106.13
	BIGGS 115.00-NEWMAN 115.00 #1 1	Open Line NC1 345.00-NEWMAN 345.00 #1	75	590.91	800.26	Amps	101.27	101.63	101.34	101.29
	BOONE 500.00-GLADSTON 500.00 #1 1	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	3464.1	3810.51	Amps		101.76		
	BOONE 500.00-GLADSTON 500.00 #1 2	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	3464.1	3810.51	Amps		101.76		
	BOONE 500.00-GLADSTON 500.00 #1 3	Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	3464.1	3810.51	Amps		101.76		
	CENTRALP 115.00-WESTMS 1 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1	95	783.19	783.19	Amps		104.10	104.56	104.31
	COOLIDGE 230.00-SPKHILT 230.00 #1 1	Open Line SNTAROSA 230.00-DBG 230.00 #1	22	800.76	853.47	Amps		109.04	108.53	108.60
		Open Line SNTAROSA 500.00-PINAL_W 500.00 #1	26	800.76	853.47	Amps		103.19		
		Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	800.76	853.47	Amps		102.15	101.66	101.73
		Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	800.76	853.47	Amps		100.00		
	COPPERVR 345.00-COPPERVR 230.00 #1 0	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	200	224	MVA	106.45	102.45	102.29	102.26
		Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	200	224	MVA	134.88	124.17	124.07	124.10
		Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	200	224	MVA	134.30	123.55	123.45	123.48
		Open Line MORENCI 230.00-PD-MORN 230.00 #1	51	200	224	MVA	100.59	100.63	100.56	100.55
		Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	200	224	MVA	101.38			
	CORONA 500.00-FT.CRAIG 500.00 #1 1	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	3464.1	3810.51	Amps		116.38	112.87	112.59
	CORONA 500.00-FT.CRAIG 500.00 #1 2	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	3464.1	3810.51	Amps		116.38	112.87	112.59
	CORONA 500.00-FT.CRAIG 500.00 #1 3	Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395	3464.1	3810.51	Amps		116.38	112.87	112.59
	CORONA 500.00-FT.CRAIG 500.00 #2 1	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	3464.1	3810.51	Amps		116.38	112.87	112.59
	CORONA 500.00-FT.CRAIG 500.00 #2 2	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	3464.1	3810.51	Amps		116.38	112.87	112.59
	CORONA 500.00-FT.CRAIG 500.00 #2 3	Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381	3464.1	3810.51	Amps		116.38	112.87	112.59
	DANIELPK 345.00-DANIELPK 230.00 #1 0	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	560	560	MVA		101.13		
		Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	560	560	MVA		101.13		
	FLAGSTAF 345.00-PINPKBRB 345.00 #1 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1496	1647	Amps	124.25			
				1496.01	1647	Amps		134.62	135.46	135.40
	FLAGSTAF 345.00-PINPKBRB 345.00 #1 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1247	1677	Amps	122.03			
				1250.34	1676.99	Amps		132.22	133.03	132.98
	FLAGSTAF 345.00-PINPKBRB 345.00 #2 1	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1496	1647	Amps	124.24			
				1496.01	1647	Amps		134.62	135.45	135.40
	FLAGSTAF 345.00-PINPKBRB 345.00 #2 2	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1247	1677	Amps	122.02			
				1250.34	1676.99	Amps		132.21	133.03	132.98
	FOURC1AA 100.00-FOURCORN 500.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.01			
	FOURCORN 345.00-FOURC1AA 100.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	840	840	MVA	116.49			
	FT.CRAIG 345.00-FT.CRAIG 500.00 #1 0	Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	840	1200	MVA		123.11	120.99	121.12
	FTLUPTON 230.00-FTLUPTON 115.00 #T3 0	Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	153	280	280	MVA	103.89	109.38	110.13	110.20
		Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1	156	280	280	MVA			108.65	108.73
		Open Line MIDWAYPS 230.00-FULLER 230.00 #1	157	280	280	MVA		107.95	108.66	108.73
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #1	162	280	280	MVA	102.97	108.02	108.74	108.81
		Open Line BRICKCTR 345.00-DANIELPK 345.00 #2	163	280	280	MVA	102.97	108.02	108.74	108.81
		Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	280	280	MVA	103.85	109.28	109.85	109.91
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	280	280	MVA	103.27	108.51	109.14	109.20
		Open Line B.SANDY 230.00-LINCOLNT 230.00 #1	175	280	280	MVA		108.02	108.63	108.70
		Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	280	280	MVA	103.19	108.22	108.88	108.95
		Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	280	280	MVA	103.09	108.04	108.64	108.71
		Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	280	280	MVA	104.22		108.73	108.81
		Open Line ARAPAHOE 230.00-SANTEFE 230.00 #1	212	280	280	MVA	103.36	108.31	109.04	109.11
		Open Line BUCKLY34 230.00-SMOKYHIL 230.00 #1	213	280	280	MVA	103.71	108.70	109.43	109.50
		Open Line BUCKLY34 230.00-TOLGATE 230.00 #1	214	280	280	MVA	103.71	108.70	109.43	109.50
		Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	280	280	MVA	105.45	111.22	111.97	112.03

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
						pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
FTLUPTON 230.00-FTLUPTON 115.00#T3 0	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	280	280	MVA	106.25	110.82	111.57	111.64
	Open Line GREENVAL 230.00-FTLUPTON 230.00 #1	217	280	280	MVA	104.66	111.19	111.91	111.99
	Open Line GREENVAL 230.00-SKYRANCH 230.00 #1	218	280	280	MVA	103.70	108.70	109.42	109.49
	Open Line GREENVAL 230.00-ST.VRAIN 230.00 #1	219	280	280	MVA	103.34	108.59	109.29	109.35
	Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	280	280	MVA	103.95	108.95	109.67	109.74
	Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	280	280	MVA	104.44	109.45	110.17	110.24
	Open Line CHATFLD 230.00-WATERTON 230.00 #1	226	280	280	MVA	103.33	108.25	108.99	109.06
	Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	280	280	MVA	107.30	113.30	114.12	114.20
	Open Line CHEROKEE 230.00-LACOMBE 230.00 #1	228	280	280	MVA	103.66	108.70	109.41	109.47
	Open Line CHEROKEE 230.00-RIDGE 230.00 #1	229	280	280	MVA	103.05	108.05	108.78	108.85
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	280	280	MVA	107.33	113.03	113.82	113.89
	Open Line CHEROKEE 230.00-SILVSADL 230.00 #1	231	280	280	MVA	105.39	109.95	110.70	110.77
	Open Line DANIELPK 230.00-SANTEFE 230.00 #1	239	280	280	MVA	103.45	108.41	109.14	109.21
	Open Line DENVTM 230.00-LACOMBE 230.00 #1	243	280	280	MVA	103.28	108.32	109.03	109.09
	Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	280	280	MVA	115.61	121.66	122.46	122.54
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	280	280	MVA	111.58	117.30	118.08	118.16
	Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	280	280	MVA	110.96	116.99	117.81	117.89
	Open Line GREENWD 230.00-MONACO12 230.00 #1	256	280	280	MVA	103.41	108.34	109.08	109.14
	Open Line JEWELL2 230.00-TOLGATE 230.00 #1	260	280	280	MVA	103.01	108.00	108.73	108.79
	Open Line LEETSDAL 230.00-MONACO12 230.00 #1	263	280	280	MVA	103.27	108.19	108.93	109.00
	Open Line LEGGETT 230.00-NIWOT 230.00 #1	264	280	280	MVA	105.72	111.21	111.95	112.02
	Open Line LEGGETT 230.00-PLNENDSS 230.00 #1	265	280	280	MVA	103.89	109.38	110.13	110.20
	Open Line MEADOWHL 230.00-SMOKYHIL 230.00 #1	270	280	280	MVA	103.02	108.02	108.73	108.80
	Open Line NIWOT 230.00-ISABELLE 230.00 #1	272	280	280	MVA	108.16	113.62	114.35	114.42
	Open Line QUINCY 230.00-SMOKYHIL 230.00 #1	274	280	280	MVA	103.24	108.20	108.90	108.97
	Open Line QUINCY 230.00-BRICKCTR 230.00 #1	275	280	280	MVA	103.26	108.21	108.92	108.99
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	280	280	MVA	110.18	115.89	116.68	116.75
	Open Line SKYRANCH 230.00-SPRUCE 230.00 #1	277	280	280	MVA	103.56	108.56	109.28	109.35
	Open Line SKYRANCT 230.00-IMBODEN 230.00 #1	278	280	280	MVA	103.90	108.90	109.62	109.69
	Open Line SKYRANCT 230.00-SPRUCE 230.00 #1	279	280	280	MVA	103.90	108.91	109.62	109.69
	Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	280	280	MVA	103.68	108.69	109.40	109.47
	Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	280	280	MVA	103.66	108.67	109.38	109.45
	Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	280	280	MVA	108.36	113.82	114.55	114.62
	Open Line ST.VRAIN 230.00-SPNDLE 230.00 #1	286	280	280	MVA	107.55	113.52	114.31	114.39
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	280	280	MVA	117.58	123.55	124.32	124.39
	Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	280	280	MVA	114.90	120.95	121.76	121.83
	Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	280	280	MVA	103.69	108.70	109.41	109.48
	Open Line SPRUCE 230.00-CHAMBERS 230.00 #1	300	280	280	MVA	102.92	107.91	108.62	108.69
	Open Line SILVSADL 230.00-REUNION 230.00 #1	302	280	280	MVA	105.85	110.42	111.17	111.24
	Open Line FULLER 230.00-DANIELPK 230.00 #1	307	280	280	MVA	102.93		108.71	108.78
	Open Line MIDWAYPS 345.00-WATERTON 345.00 #1	308	280	280	MVA	103.58	108.58	109.43	109.50
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	280	280	MVA	105.55	110.47	111.18	111.25
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	280	280	MVA	105.55	110.47	111.18	111.25
	Open Xfmr ARAPAHOB 115.00/ARAPAHOE 230.00 #T5	311	280	280	MVA	103.65	108.63	109.36	109.42
	Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A1	312	280	280	MVA	104.29	109.25	110.02	110.09
	Open Xfmr CHEROKEE 115.00/CHEROKEE 230.00 #A2	313	280	280	MVA	104.28	109.24	110.01	110.08
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1	319	280	280	MVA	103.11	108.10	108.79	108.86
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2	320	280	280	MVA	103.11	108.10	108.79	108.86
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3	321	280	280	MVA	103.11	108.10	108.79	108.86
	Open Xfmr DENVTM 115.00/DENVTM 230.00 #T2	322	280	280	MVA	103.70	108.66	109.39	109.46
	Open Xfmr LEETSDAL 115.00/LEETSDAL 230.00 #T4	324	280	280	MVA	104.34	109.27	110.02	110.09
	Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1	328	280	280	MVA	103.43	108.44	109.29	109.35
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #1	329	280	280	MVA	103.00	107.99	108.71	108.78
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #3	330	280	280	MVA	103.00	107.99	108.71	108.78
	Open Xfmr PAWNEE 230.00/PAWNEE 345.00 #2	331	280	280	MVA	103.00	107.99	108.71	108.78
	Open Xfmr RIDGE 115.00/RIDGE 230.00 #T1	332	280	280	MVA	103.24	108.22	108.94	109.01
	Open Xfmr RIDGE 115.00/RIDGE 230.00 #T2	333	280	280	MVA	103.25	108.23	108.95	109.01
	Open Xfmr SODALAKE 115.00/SODALAKE 230.00 #T2	336	280	280	MVA	103.17	108.16	108.87	108.94

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT						BASECASE						
OVERLOADED ELEMENT		CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav		
FTLUPTON	230.00-FTLUPTON 115.00 #T3 0	Open Xfmr VALMONT 115.00/VALMONT 230.00 #T1	338	280	280	MVA	105.81	110.87	111.59	111.66		
		Open Xfmr VALMONT 115.00/VALMONT 230.00 #T2	339	280	280	MVA	105.81	110.87	111.59	111.66		
		Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1	344	280	280	MVA	103.52	108.53	109.38	109.45		
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	280	280	MVA	105.92	110.89	111.63	111.70		
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #1	349	280	280	MVA	102.92					
		Open Xfmr BRICKCTR 230.00/BRICKCTR 345.00 #2	350	280	280	MVA	102.92					
		Open Xfmr BRICKCTR 115.00/BRICKCTR 230.00 #T1	351	280	280	MVA	102.96	107.93	108.64	108.70		
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	280	280	MVA	103.01	108.00		108.80		
		Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	280	280	MVA		108.00				
		Open Line PAWNEE 500.00-B.SANDY 500.00 #1	376	280	280	MVA		110.46	110.96	111.01		
		Open Line B.SANDY 500.00-BOONE 500.00 #1	377	280	280	MVA		109.61				
		Open Line LAR.RIVR 500.00-WRAY 500.00 #1	389	280	280	MVA		108.45	109.28	109.36		
		Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	280	280	MVA		108.66	109.58	109.66		
		Open Line BURLNGTN 500.00-LAMAR CO 500.00 #1	391	280	280	MVA		108.39				
		Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	280	280	MVA		108.96				
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	280	280	MVA	103.06			108.71		
		Open Line BURLNGTN 500.00-BURLSC2 500.00 #1	201	280	280	MVA			110.33	110.37		
		Open Line EGYCNTR 500.00-BURLSC2 500.00 #1	203	280	280	MVA			110.39	110.42		
		Open Line SODALAKE 230.00-CHATFLD 230.00 #1	209	280	280	MVA	102.91					
		Open Line EGYCNTR 500.00-HOLCOMB 500.00 #1	204	280	280	MVA			108.79	108.84		
		Open Line EGYCNTR 500.00-GLADSTON 500.00 #1	436	280	280	MVA			110.99	111.06		
		Open Line MIDWAYRM 500.00-B.SANDY 500.00 #1	437	280	280	MVA			110.77	110.83		
		GLADSTON	115.00-SPRINGER 115.00 #1 1	Open Line B-A 345.00-GUADLUPE 345.00 #1	84	599.94	599.94	Amps		135.38	131.12	130.92
				Open Line B-A 345.00-NORTON 345.00 #1	85	599.94	599.94	Amps		118.96	115.69	115.53
Open Line SAN_JUAN 345.00-RIOPUERCO 345.00 #1	113			599.94	599.94	Amps		111.93	108.52	108.24		
Open Line CF&FURN 230.00-COMANCHE 230.00 #1	145			599.94	599.94	Amps		109.94		106.51		
Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148			599.94	599.94	Amps		114.39	110.34	110.14		
Open Line FOURCORN 345.00-WESTMESA 345.00 #1	357			599.94	599.94	Amps		110.19	106.82	106.63		
Open Line SAN_JUAN 345.00-OJO 345.00 #1	358			599.94	599.94	Amps		135.98	133.60	133.47		
Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387			599.94	599.94	Amps		108.96				
Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396			599.94	599.94	Amps		128.96	125.19	124.80		
Open Line LUNA 500.00-WINCHSTR 500.00 #1	397			599.94	599.94	Amps		120.49	116.90	116.67		
Open Line WINCHSTR 500.00-PINAL_S 500.00 #1	398			599.94	599.94	Amps		111.17	107.81	107.60		
Open Line SNTAROSA 500.00-PINAL_W 500.00 #1	26			599.94	599.94	Amps		108.87	105.59	105.38		
Open Line SPRINGR 345.00-CORONADO 345.00 #1	32			599.94	599.94	Amps		110.08	106.79	106.58		
Open Line OJO 345.00-TAOS 345.00 #1	92			599.94	599.94	Amps		114.46	111.79	111.63		
Open Line WESTMESA 345.00-SANDIA 345.00 #1	95			599.94	599.94	Amps		109.98	106.78	106.55		
Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186			599.94	599.94	Amps		111.02		107.50		
Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368			599.94	599.94	Amps		112.50	109.02	108.82		
Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372			599.94	599.94	Amps		117.96	114.35	114.18		
Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373			599.94	599.94	Amps		116.63	112.61	112.40		
Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379			599.94	599.94	Amps		127.42	123.54	123.22		
Open Line CORONA 500.00-FT.CRAIG 500.00 #1	381			599.94	599.94	Amps		122.70	118.93	118.58		
Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382			599.94	599.94	Amps		125.50	121.24	120.79		
Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393			599.94	599.94	Amps		127.42	123.54	123.22		
Open Line CORONA 500.00-FT.CRAIG 500.00 #2	395			599.94	599.94	Amps		122.70	118.93	118.58		
Open Xfmr WINCHSTR 500.00/WINCHSTR 345.00 #1	401			599.94	599.94	Amps		109.70	106.42	106.20		
Open Line AMBROSIA 230.00-WESTMESA 230.00 #1	83			599.94	599.94	Amps		108.92				
Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115			599.94	599.94	Amps		114.52	110.45	110.25		
Open Line WINCHSTR 345.00-VAIL 345.00 #1	37			599.94	599.94	Amps		110.32	107.06	106.84		
Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126			599.94	599.94	Amps		109.09	105.91	105.68		
Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129			599.94	599.94	Amps		109.51	106.36	106.12		
Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130			599.94	599.94	Amps		109.53	106.38	106.13		
Open Line MUSTANG 230.00-SPENCE 230.00 #1	135			599.94	599.94	Amps		109.22	106.08	105.84		
Open Line RIVERTON 230.00-WYOPO 230.00 #1	137			599.94	599.94	Amps		109.15	105.99	105.75		
Open Line GUADLUPE 500.00-CORONA 500.00 #1	380			599.94	599.94	Amps		116.86	113.23	112.99		
Open Line SPRINGR 500.00-SES 500.00 #1	383	599.94	599.94	Amps		113.15	109.86	109.64				
Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	599.94	599.94	Amps		108.92						

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT						BASECASE				
OVERLOADED ELEMENT		CONTINGENCY	NO	N RATE	E RATE	UNIT	pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
GLADSTON 115.00-SPRINGER 115.00 #1 1	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	599.94	599.94	Amps		116.86	113.23	112.99	
	Open Line FOURCORN 500.00-FCW 500.00 #1	66	599.94	599.94	Amps		108.97	105.74	105.53	
	Open Xfmr LUNA 500.00/LUNA 345.00 #1	400	599.94	599.94	Amps		109.28	106.04	105.81	
	Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	599.94	599.94	Amps		110.15	107.04	106.78	
GLADSTON 500.00-GUADLUPE 500.00 #1 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps		108.10	104.28	104.00	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps		108.10	104.28	104.00	
GLADSTON 500.00-GUADLUPE 500.00 #1 2	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps		108.10	104.28	104.00	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2	393	3464.1	3810.51	Amps		108.10	104.28	104.00	
GLADSTON 500.00-GUADLUPE 500.00 #2 1	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps		108.10	104.28	104.00	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps		108.10	104.28	104.00	
GLADSTON 500.00-GUADLUPE 500.00 #2 2	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps		108.10	104.28	104.00	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps		108.10	104.28	104.00	
GLADSTON 500.00-GUADLUPE 500.00 #2 3	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps		108.10	104.28	104.00	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1	379	3464.1	3810.51	Amps		108.10	104.28	104.00	
GLENCCANY 345.00-FLAGSTAF 345.00 #1 1	Open Line FLAGSTAF 345.00-GLENCCANY 345.00 #2	58	1348	1819	Amps	113.38	122.98	123.77	123.72	
	Open Line FLAGSTAF 345.00-GLENCCANY 345.00 #2	58	1837	2021	Amps	102.05				
GLENCCANY 345.00-FLAGSTAF 345.00 #1 2	Open Line FLAGSTAF 345.00-GLENCCANY 345.00 #1	57	1348	1819	Amps	113.18	122.77	123.56	123.51	
	Open Line FLAGSTAF 345.00-GLENCCANY 345.00 #1	57	1837	2021	Amps	101.87				
GLENCCANY 345.00-FLAGSTAF 345.00 #2 2	Open Line FLAGSTAF 345.00-GLENCCANY 345.00 #1	57	1836.99	2020.99	Amps		110.69	111.40	111.35	
	Open Line FLAGSTAF 345.00-GLENCCANY 345.00 #1	57	1837	2021	Amps	113.18				
GR 115.00-VISTA # 115.00 #1 1	Open Line CALIENTE 345.00-NC1 345.00 #1	74	590.91	800.26	Amps	149.06	149.81	149.25	149.37	
	Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	150	193	MVA	155.75	142.47	142.35	142.39	
GREEN-AE 345.00-GREEN-AE 230.00 #1 0	Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	150	193	MVA	156.07	142.68	142.56	142.60	
	Open Line APACHE 230.00-RED TAIL 230.00 #1	41	150	193	MVA	108.88	104.75	104.59	104.57	
	Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	150	193	MVA	132.42	120.55	120.40	120.43	
	Open Line GREENLEE 345.00-WINCHSTR 345.00 #1	110	150	193	MVA	103.74				
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps		109.41	105.95	105.72	
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps		109.41	105.95	105.72	
GUADLUPE 500.00-CORONA 500.00 #1 1	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps		109.41	105.95	105.72	
	Open Line GUADLUPE 500.00-CORONA 500.00 #2	394	3464.1	3810.51	Amps		109.41	105.95	105.72	
GUADLUPE 500.00-CORONA 500.00 #1 2	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
GUADLUPE 500.00-CORONA 500.00 #2 1	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
GUADLUPE 500.00-CORONA 500.00 #2 2	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
GUADLUPE 500.00-CORONA 500.00 #2 3	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
	Open Line GUADLUPE 500.00-CORONA 500.00 #1	380	3464.1	3810.51	Amps		109.41	105.95	105.72	
JLGREEN 230.00-FTLUPTON 230.00 #1 1	Open Line BARRLAKE 230.00-GREENVAL 230.00 #1	215	1242.56	1242.56	Amps		101.12	102.13	102.19	
	Open Line BARRLAKE 230.00-REUNION 230.00 #1	216	1242.56	1242.56	Amps			100.93	100.99	
	Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	1242.56	1242.56	Amps		101.03	102.09	102.16	
	Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	1242.56	1242.56	Amps	100.00	109.05	110.09	110.15	
	Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	1242.56	1242.56	Amps		106.39	107.44	107.50	
	Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	1242.56	1242.56	Amps		101.59	102.51	102.56	
	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	1242.56	1242.56	Amps		101.89	102.83	102.88	
	Open Line GREENVAL 230.00-B.SANDY 230.00 #1	141	100	100	MVA	114.22				
	Open Line BOONE 230.00-LAMAR CO 230.00 #1	143	100	100	MVA	123.90		108.03		
	Open Line B.SANDY 230.00-125ROAD 230.00 #1	177	100	100	MVA	113.02				
LAMAR CO 230.00-LAMAR CO 115.00 #1 0	Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	100	100	MVA	113.28				
	Open Line LAR.RIVR 345.00-ARCHER 345.00 #1	182	100	100	MVA			100.97		
	Open Line MIDWAYBR 230.00-LINCOLNT 230.00 #1	193	100	100	MVA	113.99		100.77		
	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1	200	100	100	MVA	130.65		101.67		
	Open Line EGYCNTR 500.00-BOONE 500.00 #1	202	100	100	MVA	148.34		106.51		
	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1	205	100	100	MVA	129.74		101.39		
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1	206	100	100	MVA	115.66				
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1	309	100	100	MVA	112.00		101.17		
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2	310	100	100	MVA	112.00		101.17		
	Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A1	314	100	100	MVA	112.89		101.59		
	Open Xfmr COMANCHE 115.00/COMANCHE 230.00 #A2	315	100	100	MVA	112.92		101.62		
	Open Xfmr BOONE 115.00/BOONE 230.00 #1	355	100	100	MVA	132.53	114.81	112.72	104.76	
	Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	100	100	MVA			101.66		
	Open Line DAVEJOHN 500.00-PAWNEE 500.00 #1	375	100	100	MVA			101.95		
	Open Line B.SANDY 500.00-BOONE 500.00 #1	377	100	100	MVA		101.83			
	Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	100	100	MVA			102.91		
Open Line LAMAR CO 500.00-GLADSTON 500.00 #1	392	100	100	MVA		124.08				
Open Line FT.CRAIG 500.00-LUNA 500.00 #1	396	100	100	MVA			101.66			
Open Xfmr LAMAR CO 500.00/LAMAR CO 230.00 #1	403	100	100	MVA		102.10				
Open Xfmr LAR.RIVR 500.00/LAR.RIVR 345.00 #1	399	100	100	MVA			101.11			

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

<b>E PCT</b>						<b>BASECASE</b>				
<b>OVERLOADED ELEMENT</b>		<b>CONTINGENCY</b>	<b>NO</b>	<b>N RATE</b>	<b>E RATE</b>	<b>UNIT</b>	<b>pre10hs17.sav</b>	<b>12b40c7d1d.sav</b>	<b>14b40c7d1d-e.sav</b>	<b>14b40c7d1d-e2.sav</b>
LAMAR CO 230.00-LAMAR CO 115.00 #1 0	Open Line GLADSTON 500.00-GUADLUPE 500.00 #1		379	100	100	MVA			101.27	
	Open Line CORONA 500.00-FT.CRAIG 500.00 #1		381	100	100	MVA			101.02	
	Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1		382	100	100	MVA			101.31	
	Open Line GLADSTON 500.00-GUADLUPE 500.00 #2		393	100	100	MVA			101.27	
	Open Line CORONA 500.00-FT.CRAIG 500.00 #2		395	100	100	MVA			101.02	
	Open Line B.SANDY 230.00-BEAVERCK 230.00 #1		176	100	100	MVA	112.11			
	Open Line BURLNGTN 500.00-BURLSC1 500.00 #1		199	100	100	MVA	114.06			
	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1		201	100	100	MVA	117.32			
	Open Line EGYCNTR 500.00-BURLSC2 500.00 #1		203	100	100	MVA	118.03			
	Open Line LAMAR CO 230.00-EGYCNTR 230.00 #1		151	100	100	MVA			104.63	
	Open Line LAMAR CO 230.00-EGYCNTR 230.00 #2		152	100	100	MVA			104.48	
	Open Line EGYCNTR 500.00-GLADSTON 500.00 #1		436	100	100	MVA			136.78	126.95
	Open Line MIDWAYRM 500.00-B.SANDY 500.00 #1		437	100	100	MVA			106.53	
	Open Line NEWMAN 345.00-AFTON 345.00 #1		80	224	224	MVA	103.32			
MARIPOSA 115.00-WESTMS_2 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1		95	783.19	783.19	Amps		111.26	111.84	111.55
MIDWAYBR 230.00-RD_NIXON 230.00 #1 1	Open Line GREENVAL 230.00-B.SANDY 230.00 #1		141	1209.93	1209.93	Amps	103.41			
	Open Line COMANCHE 230.00-WALSENGB 230.00 #1		148	1209.93	1209.93	Amps	101.85			
	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1		165	1209.93	1209.93	Amps	110.61	101.17		
	Open Line DANIELPK 345.00-COMANCHE 345.00 #2		166	1209.93	1209.93	Amps	105.66			
	Open Line B.SANDY 230.00-125ROAD 230.00 #1		177	1209.93	1209.93	Amps	107.21			
	Open Line BURLNGTN 500.00-BSNDYSC1 500.00 #1		200	1209.93	1209.93	Amps	103.44			
	Open Line B.SANDY 500.00-BSNDYSC1 500.00 #1		205	1209.93	1209.93	Amps	102.82			
	Open Line BURLSC1 500.00-HOLCOMB 500.00 #1		206	1209.93	1209.93	Amps	100.31			
	Open Line EGYCNTR 500.00-BURLSC2 500.00 #1		203	1209.93	1209.93	Amps	101.06			
	Open Line NC1 345.00-NEWMAN 345.00 #1		75	184	230	MVA	101.84	105.33	104.77	104.48
NEWMAN 115.00-NEWMAN_B 345.00 #1 0	Open Line NC1 345.00-NEWMAN 345.00 #1		75	184	230	MVA	100.98	103.99	103.53	103.27
NO_BERN 115.00-AVILA_T 115.00 #1 1	Open Line RIOPUERC 345.00-WESTMESA 345.00 #2		89	778.17	778.17	Amps	104.98	104.49	104.38	
NO_BERN 115.00-B-A 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1		95	778.17	778.17	Amps	110.71	110.82	110.62	
OJO 345.00-OJO 115.00 #1 C	Open Line FOURCORN 345.00-WESTMESA 345.00 #1		357	180	180	MVA	103.46			
Open Line OJO 345.00-TAOS 345.00 #1		92	180	180	MVA	107.43				
P_VALLEY 115.00-TODD CRE 115.00 #1 1	Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3		323	676.75	676.75	Amps	105.04	104.33	104.23	104.19
PARADIS2 115.00-MARIPOSA 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1		95	783.19	783.19	Amps	106.51	107.08	106.80	
PNPKAPS 230.00-PINPK 230.00 #1 1	Open Line RACEWAY 500.00-PNPKAPS 500.00 #r1		109	1599	1998.13	Amps	113.50			
				1599.01	1998.13	Amps		111.97	112.15	112.13
PRAGER 115.00-ASPEN 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1		95	1616.58	1616.58	Amps	101.72	102.19	101.95	
RD_NIXON 230.00-MIDWAYBR 230.00 #1 1	Open Line MIDWAYPS 230.00-MIDWAYBR 230.00 #1		156	1209.93	1209.93	Amps	104.57			
	Open Line MIDWAYPS 230.00-FULLER 230.00 #1		157	1209.93	1209.93	Amps	135.24	124.34		
	Open Line TARRYALL 230.00-HARTSELT 230.00 #1		161	1209.93	1209.93	Amps	100.11			
	Open Line BURLNGTN 230.00-WRAY 230.00 #1		178	1209.93	1209.93	Amps	100.60			
	Open Line VALMONT 230.00-SPNDLE 230.00 #1		293	1209.93	1209.93	Amps	100.04			
	Open Line MIDWAYPS 345.00-WATERTON 345.00 #1		308	1209.93	1209.93	Amps	108.17			
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #1		309	1209.93	1209.93	Amps	100.33			
	Open Line PAWNEE 345.00-BRICKCTR 345.00 #2		310	1209.93	1209.93	Amps	100.33			
	Open Xfmr DANIELPK 115.00/DANIELPK 230.00 #T1		318	1209.93	1209.93	Amps	100.68			
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #1		319	1209.93	1209.93	Amps	100.11			
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #2		320	1209.93	1209.93	Amps	100.11			
	Open Xfmr DANIELPK 230.00/DANIELPK 345.00 #3		321	1209.93	1209.93	Amps	100.11			
	Open Xfmr MIDWAYPS 230.00/MIDWAYPS 345.00 #T1		328	1209.93	1209.93	Amps	107.89			
	Open Xfmr TARRYALL 115.00/TARRYALL 230.00 #T1		337	1209.93	1209.93	Amps	100.76			
	Open Xfmr WATERTON 230.00/WATERTON 345.00 #T1		344	1209.93	1209.93	Amps	107.93			
	Open Line GLADSTON 230.00-WALSENGB 230.00 #1		115	1209.93	1209.93	Amps	100.19			
	Open Line B.SANDY 230.00-BEAVERCK 230.00 #1		176	1209.93	1209.93	Amps	100.27			
	Open Line BURLNGTN 500.00-BURLSC2 500.00 #1		201	1209.93	1209.93	Amps	100.77			
	RIO GRAN 115.00-MESA # 115.00 #1 1	Open Line NEWMAN 345.00-AFTON 345.00 #1		80	720.93	982	Amps	100.65		
ROCKISLD 115.00-KELKER W 115.00 #1 1	Open Line MIDWAYPS 230.00-FULLER 230.00 #1		157	798.25	798.25	Amps	100.84			
ROGSWAPA 230.00-ROGERS 230.00 #1 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1		27	1099.3	1099.3	Amps	100.39			
ROGSWAPA 230.00-ROGERS 230.00 #2 1	Open Line JOJOBA 500.00-KYRENE 500.00 #1		27	1099.3	1099.3	Amps	100.39			
S_JOSEPH 115.00-WESTMS_2 115.00 #1 1	Open Line WESTMESA 345.00-SANDIA 345.00 #1		95	1616.58	1616.58	Amps	110.50	111.01	110.75	

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
	SHIPROCK 230.00-SHIPROCK 345.00 #1 0	Open Line RME 500.00-FCW 500.00 #1	71	300	300	MVA				
	SILVSADL 230.00-REUNION 230.00 #1 1	Open Line GREENVAL 230.00-IMBODEN 230.00 #1	220	818.33	818.33	Amps	101.12			
		Open Line GREENVAL 230.00-SPRUCE 230.00 #1	221	818.33	818.33	Amps	103.75			
		Open Line CHEROKEE 230.00-GLENN PS 230.00 #1	227	818.33	818.33	Amps	100.96			
		Open Line CHEROKEE 230.00-RIVERDAL 230.00 #1	230	818.33	818.33	Amps	100.94			
		Open Line FTLUPTON 230.00-JLGREEN 230.00 #1	251	818.33	818.33	Amps	113.67	103.15	104.54	104.58
		Open Line FTLUPTON 230.00-HENRYLAK 230.00 #1	252	818.33	818.33	Amps	107.53			
		Open Line GLENN PS 230.00-WASHINGT 230.00 #1	253	818.33	818.33	Amps	106.41			
		Open Line RIVERDAL 230.00-HENRYLAK 230.00 #1	276	818.33	818.33	Amps	105.35			
		Open Line SKYRANCT 230.00-IMBODEN 230.00 #1	278	818.33	818.33	Amps	100.86			
		Open Line SKYRANCT 230.00-SPRUCE 230.00 #1	279	818.33	818.33	Amps	100.87			
		Open Line SMOKYHIL 230.00-SPRUCE 230.00 #2	280	818.33	818.33	Amps	101.30			
		Open Line SMOKYHIL 230.00-POWHATON 230.00 #1	281	818.33	818.33	Amps	101.18			
		Open Line ST.VRAIN 230.00-ISABELLE 230.00 #1	285	818.33	818.33	Amps	100.02			
		Open Line VALMONT 230.00-SPNDLE 230.00 #1	293	818.33	818.33	Amps	103.68			
		Open Line WASHINGT 230.00-JLGREEN 230.00 #1	294	818.33	818.33	Amps	112.44	101.95	103.34	103.39
		Open Line SPRUCE 230.00-POWHATON 230.00 #1	299	818.33	818.33	Amps	101.39			
		Open Xfmr FTLUPTON 115.00/FTLUPTON 230.00 #T3	323	818.33	818.33	Amps	100.02			
		Open Xfmr CHAMBERS 115.00/CHAMBERS 230.00 #1	348	818.33	818.33	Amps	102.26			
	SPKHILTP 230.00-COOLIDGE 230.00 #1 1	Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	800.76	853.47	Amps		116.41	115.91	115.99
		Open Line JOJOBA 500.00-KYRENE 500.00 #1	27	800.76	853.47	Amps		107.60	107.10	107.15
		Open Line RME 500.00-FCW 500.00 #1	71	800.76	853.47	Amps		101.03	100.59	100.65
		Open Line RACEWAY 500.00-PNPKAPS 500.00 #r1	109	800.76	853.47	Amps		106.62	106.21	106.28
		Open Line HASSYAMP 500.00-JOJOBA 500.00 #1	28	800.76	853.47	Amps		106.39	105.92	105.98
		Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	800.76	853.47	Amps		102.78	102.34	102.41
		Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	800.76	853.47	Amps		103.14	102.71	102.78
		Open Line SNTAROSA 500.00-PINAL W 500.00 #1	26	800.76	853.47	Amps			102.50	102.59
		Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	529.66	529.66	Amps	121.99	122.98	122.97	122.96
	VERDE S 230.00-COCONINO 230.00 #1 1	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #2	341	100	100	MVA		103.57		
	WALSENBG 230.00-WALSENBG 115.00 #1 0	Open Xfmr WALSENBG 230.00/WALSENBG 115.00 #1	340	100	100	MVA		103.80		
	WALSENBG 230.00-WALSENBG 115.00 #2 0	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	1547.97	1857.56	Amps		102.22	101.19	101.17
	WINCHSTR 345.00-VAIL 345.00 #1 1	Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	1547.97	1857.56	Amps		101.96	100.94	100.92
		Open Line FOURCORN 345.00-CHOLLA 345.00 #1	8	1547.97	1857.56	Amps		101.44	100.43	100.41
		Open Line FOURCORN 345.00-CHOLLA 345.00 #2	9	1547.97	1857.56	Amps		101.43	100.42	100.40
		Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	1547.97	1857.56	Amps		100.74		
		Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1547.97	1857.56	Amps		103.50	102.44	102.41
		Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	1547.97	1857.56	Amps		100.82		
		Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps		125.58	124.46	124.43
		Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	1547.97	1857.56	Amps		100.78		
		Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1547.97	1857.56	Amps		112.65	111.63	111.61
		Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	1547.97	1857.56	Amps		100.71		
		Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	1547.97	1857.56	Amps		100.71		
		Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	1547.97	1857.56	Amps		100.66		
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1547.97	1857.56	Amps		101.02	100.00	
		Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1547.97	1857.56	Amps		101.01		
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1547.97	1857.56	Amps		100.96		
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1547.97	1857.56	Amps		100.95		
		Open Line RME 500.00-FCW 500.00 #1	71	1547.97	1857.56	Amps		103.38	102.34	102.31
		Open Line LUNA 345.00-DIABLO 345.00 #1	76	1547.97	1857.56	Amps		101.03		
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	1547.97	1857.56	Amps		103.18	102.05	102.01
		Open Line CF&IFURN 230.00-COMANCHE 230.00 #1	145	1547.97	1857.56	Amps		101.14		100.11
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1547.97	1857.56	Amps		100.92		
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	1547.97	1857.56	Amps		100.67		
		Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	1547.97	1857.56	Amps		100.96		
		Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	1547.97	1857.56	Amps		100.74		
		Open Line SNTAROSA 230.00-DBG 230.00 #1	22	1547.97	1857.56	Amps		101.10	100.08	100.05
		Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps		131.20	129.28	129.29
		Open Line CHOLLA 500.00-SAGUARO 500.00 #1	1	1547.97	1857.56	Amps		103.67	102.63	102.60

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT				BASECASE							
OVERLOADED ELEMENT				NO	N RATE	E RATE	UNIT	pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
WINCHSTR	345.00-VAIL	345.00 #1	1	Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	1547.97	1857.56	Amps	101.31	100.30	100.27
				Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	1547.97	1857.56	Amps	101.05	100.03	100.01
				Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	1547.97	1857.56	Amps	101.12	100.09	100.07
				Open Line BROWNING 500.00-KYRENE 500.00 #1	25	1547.97	1857.56	Amps	101.73	100.69	100.67
				Open Line SNTAROSA 500.00-PINAL_W 500.00 #1	26	1547.97	1857.56	Amps	105.48	104.20	104.18
				Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	1547.97	1857.56	Amps	102.52	101.45	101.43
				Open Line PINALWES 345.00-SOUTH 345.00 #1	38	1547.97	1857.56	Amps	102.24	101.44	101.39
				Open Line BUTERFLD 230.00-G.SLOAN 230.00 #1	44	1547.97	1857.56	Amps	107.60	106.58	106.56
				Open Line G.SLOAN 230.00-PANTANO 230.00 #1	45	1547.97	1857.56	Amps	105.73	104.70	104.68
				Open Line BUTERFLD 230.00-SAN RAF 230.00 #1	46	1547.97	1857.56	Amps	100.85		
				Open Line PANTANO 230.00-NEWTUCSN 230.00 #1	52	1547.97	1857.56	Amps	103.64	102.61	102.59
				Open Line GLEN PS 230.00-NAVAJO 230.00 #1	61	1547.97	1857.56	Amps	101.12	100.10	100.07
				Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	1547.97	1857.56	Amps	101.34	100.32	100.29
				Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63	1547.97	1857.56	Amps	101.22	100.20	100.18
				Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65	1547.97	1857.56	Amps	101.12	100.10	100.07
				Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	1547.97	1857.56	Amps	101.52		100.46
				Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368	1547.97	1857.56	Amps	101.40	100.31	100.29
				Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	1547.97	1857.56	Amps	101.32	100.27	100.24
				Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	1547.97	1857.56	Amps	101.37	100.27	100.24
				Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1547.97	1857.56	Amps	111.55	110.10	110.08
				Open Line NEWMAN 345.00-AFTON 345.00 #1	80	1547.97	1857.56	Amps	101.40	100.37	100.35
				Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1547.97	1857.56	Amps	100.99		
				Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	1547.97	1857.56	Amps	100.83		
				Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	1547.97	1857.56	Amps	100.95		
				Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	1547.97	1857.56	Amps	100.95		
				Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	1547.97	1857.56	Amps	100.86		
				Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	1547.97	1857.56	Amps	100.82		
				Open Line SPRINGR 500.00-SES 500.00 #1	383	1547.97	1857.56	Amps	103.35	102.33	102.32
				Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	1547.97	1857.56	Amps	100.79		
				Open Line NEWTUCSN 230.00-SAHUARIT 230.00 #1	53	1547.97	1857.56	Amps	103.07	102.04	102.02
				Open Line SILVERKG 500.00-BROWNING 500.00 #1	24	1547.97	1857.56	Amps	101.43	100.40	100.38
				Open Line SAHUARIT 230.00-BICKNELL 230.00 #1	56	1547.97	1857.56	Amps	101.98	100.95	100.93
				Open Line MOENKOPI 500.00-RME 500.00 #1	67	1547.97	1857.56	Amps	100.92		
				Open Line LUNA 345.00-AFTON 345.00 #1	78	1547.97	1857.56	Amps	101.06	100.02	
				Open Line HACKBERRY 230.00-MORENCI 230.00 #1	48	1547.97	1857.56	Amps	100.91		
				Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	1547.97	1857.56	Amps	101.12	100.12	100.10
				Open Line SHIPROCK 345.00-SAN_JUAN 345.00 #1	105	1547.97	1857.56	Amps	100.64		
				Open Line GUNBARRE 230.00-NIWOT 230.00 #1	258	1547.97	1857.56	Amps	100.65		
				Open Line FT.CRAIG 345.00-SPRINGR 345.00 #1	370	1547.97	1857.56	Amps	100.90		
				WINCHSTR	345.00-VAIL	345.00 #1	2	Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1499.44	2024.91
Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1499.44	2024.91					Amps	103.34	102.41	102.39
Open Line WINCHSTR 500.00-PINAL_S 500.00 #1	398	1499.44	2024.91					Amps	120.36	118.60	118.61
Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1499.44	2024.91					Amps	102.34	101.00	100.98
WINCHSTR	345.00-VAIL	345.00 #1	3	Open Line FOURCORN 500.00-MOENKOPI 500.00 #1	2	1547.97	1857.56	Amps	102.22	101.19	101.17
				Open Line MOENKOPI 500.00-YAVAPAI 500.00 #1	3	1547.97	1857.56	Amps	101.96	100.94	100.92
				Open Line FOURCORN 345.00-CHOLLA 345.00 #1	8	1547.97	1857.56	Amps	101.44	100.43	100.41
				Open Line FOURCORN 345.00-CHOLLA 345.00 #2	9	1547.97	1857.56	Amps	101.43	100.42	100.40
				Open Line CHOLLA 230.00-LEUPP 230.00 #1	12	1547.97	1857.56	Amps	100.74		
				Open Line CORONADO 500.00-SILVERKG 500.00 #1	23	1547.97	1857.56	Amps	103.50	102.44	102.41
				Open Line GREENLEE 345.00-COPPERVR 345.00 #1	29	1547.97	1857.56	Amps	100.82		
				Open Line SPRINGR 345.00-VAIL2 345.00 #1	34	1547.97	1857.56	Amps	125.58	124.46	124.43
				Open Line COPPERVR 230.00-FRISCO 230.00 #1	39	1547.97	1857.56	Amps	100.78		
				Open Line APACHE 230.00-BUTERFLD 230.00 #1	40	1547.97	1857.56	Amps	112.65	111.63	111.61
				Open Line GREEN-AE 345.00-GREENLEE 345.00 #1	49	1547.97	1857.56	Amps	100.71		
				Open Line MORENCI 230.00-GREEN-AE 230.00 #1	50	1547.97	1857.56	Amps	100.71		
				Open Line PD-MORNC 230.00-FRISCO 230.00 #1	54	1547.97	1857.56	Amps	100.66		
				Open Line FLAGSTAF 345.00-GLENCANY 345.00 #1	57	1547.97	1857.56	Amps	101.02	100.00	
				Open Line FLAGSTAF 345.00-GLENCANY 345.00 #2	58	1547.97	1857.56	Amps	101.01		



<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT	OVERLOADED ELEMENT	CONTINGENCY	NO	N RATE	E RATE	UNIT	BASECASE			
							pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
WINCHSTR	345.00-VAIL 345.00 #1 3	Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #1	59	1547.97	1857.56	Amps	100.96			
		Open Line FLAGSTAF 345.00-PINPKBRB 345.00 #2	60	1547.97	1857.56	Amps	100.95			
		Open Line RME 500.00-FCW 500.00 #1	71	1547.97	1857.56	Amps	103.38	102.34	102.31	
		Open Line LUNA 345.00-DIABLO 345.00 #1	76	1547.97	1857.56	Amps	101.03			
		Open Line B-A 345.00-GUADLUPE 345.00 #1	84	1547.97	1857.56	Amps	103.18	102.05	102.01	
		Open Line CF&IFURN 230.00-COMANCHE 230.00 #1	145	1547.97	1857.56	Amps	101.14		100.11	
		Open Line COMANCHE 230.00-WALSENBG 230.00 #1	148	1547.97	1857.56	Amps	100.92			
		Open Xfmr HENRYLAK 115.00/HENRYLAK 230.00 #1	352	1547.97	1857.56	Amps	100.67			
		Open Xfmr GLADSTON 500.00/GLADSTON 230.00 #1	374	1547.97	1857.56	Amps	100.96			
		Open Xfmr PAWNEE 500.00/PAWNEE 230.00 #1	387	1547.97	1857.56	Amps	100.74			
		Open Line SNTAROSA 230.00-DBG 230.00 #1	22	1547.97	1857.56	Amps	101.10	100.08	100.05	
		Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	1547.97	1857.56	Amps	131.20	129.28	129.29	
		Open Line CHOLLA 500.00-SAGUARO 500.00 #1	1	1547.97	1857.56	Amps	103.67	102.63	102.60	
		Open Line YAVAPAI 500.00-WESTWING 500.00 #1	5	1547.97	1857.56	Amps	101.31	100.30	100.27	
		Open Line CHOLLA 345.00-PNPKAPS 345.00 #1	6	1547.97	1857.56	Amps	101.05	100.03	100.01	
		Open Line CHOLLA 345.00-PRECHCYN 345.00 #1	7	1547.97	1857.56	Amps	101.12	100.09	100.07	
		Open Line BROWNING 500.00-KYRENE 500.00 #1	25	1547.97	1857.56	Amps	101.73	100.69	100.67	
		Open Line SNTAROSA 500.00-PINAL W 500.00 #1	26	1547.97	1857.56	Amps	105.48	104.20	104.18	
		Open Line SPRINGR 345.00-CORONADO 345.00 #1	32	1547.97	1857.56	Amps	102.52	101.45	101.43	
		Open Line PINALWES 345.00-SOUTH 345.00 #1	38	1547.97	1857.56	Amps	102.24	101.44	101.39	
		Open Line BUTERFLD 230.00-G.SLOAN 230.00 #1	44	1547.97	1857.56	Amps	107.60	106.58	106.56	
		Open Line G.SLOAN 230.00-PANTANO 230.00 #1	45	1547.97	1857.56	Amps	105.73	104.70	104.68	
		Open Line BUTERFLD 230.00-SAN RAF 230.00 #1	46	1547.97	1857.56	Amps	100.85			
		Open Line PANTANO 230.00-NEWTUCSN 230.00 #1	52	1547.97	1857.56	Amps	103.64	102.61	102.59	
		Open Line GLEN PS 230.00-NAVAJO 230.00 #1	61	1547.97	1857.56	Amps	101.12	100.10	100.07	
		Open Line KAYENTA 230.00-SHIPROCK 230.00 #1	62	1547.97	1857.56	Amps	101.34	100.32	100.29	
		Open Line KAYENTA 230.00-LNGHOUSE 230.00 #1	63	1547.97	1857.56	Amps	101.22	100.20	100.18	
		Open Line NAVAJO 230.00-LNGHOUSE 230.00 #1	65	1547.97	1857.56	Amps	101.12	100.10	100.07	
		Open Line SIDNEY 230.00-SIDNEYDC 230.00 #1	186	1547.97	1857.56	Amps	101.52		100.46	
		Open Line FT.CRAIG 345.00-WESTMESA 345.00 #1	368	1547.97	1857.56	Amps	101.40	100.31	100.29	
		Open Xfmr FT.CRAIG 500.00/FT.CRAIG 345.00 #1	372	1547.97	1857.56	Amps	101.32	100.27	100.24	
		Open Xfmr GUADLUPE 500.00/GUADLUPE 345.00 #1	373	1547.97	1857.56	Amps	101.37	100.27	100.24	
		Open Line FT.CRAIG 500.00-SPRINGR 500.00 #1	382	1547.97	1857.56	Amps	111.55	110.10	110.08	
		Open Line NEWMAN 345.00-AFTON 345.00 #1	80	1547.97	1857.56	Amps	101.40	100.37	100.35	
		Open Line GLADSTON 230.00-WALSENBG 230.00 #1	115	1547.97	1857.56	Amps	100.99			
		Open Line CASPERPP 230.00-RIVERTON 230.00 #1	126	1547.97	1857.56	Amps	100.83			
		Open Line DAVEJO&1 230.00-DAVEJOHN 230.00 #1	129	1547.97	1857.56	Amps	100.95			
		Open Line DAVEJO&1 230.00-SPENCE 230.00 #1	130	1547.97	1857.56	Amps	100.95			
		Open Line MUSTANG 230.00-SPENCE 230.00 #1	135	1547.97	1857.56	Amps	100.86			
		Open Line RIVERTON 230.00-WYOPO 230.00 #1	137	1547.97	1857.56	Amps	100.82			
		Open Line SPRINGR 500.00-SES 500.00 #1	383	1547.97	1857.56	Amps	103.35	102.33	102.32	
		Open Xfmr DAVEJOHN 500.00/DAVEJOHN 230.00 #1	386	1547.97	1857.56	Amps	100.79			
		Open Line NEWTUCSN 230.00-SAHUARIT 230.00 #1	53	1547.97	1857.56	Amps	103.07	102.04	102.02	
		Open Line SILVERKG 500.00-BROWNING 500.00 #1	24	1547.97	1857.56	Amps	101.43	100.40	100.38	
		Open Line SAHUARIT 230.00-BICKNELL 230.00 #1	56	1547.97	1857.56	Amps	101.98	100.95	100.93	
Open Line MOENKOPI 500.00-RME 500.00 #1	67	1547.97	1857.56	Amps	100.92					
Open Line LUNA 345.00-AFTON 345.00 #1	78	1547.97	1857.56	Amps	101.06	100.02				
Open Line HACKBERY 230.00-MORENCI 230.00 #1	48	1547.97	1857.56	Amps	100.91					
Open Line DAVEJOHN 230.00-DIFICULT 230.00 #1	131	1547.97	1857.56	Amps	101.12	100.12	100.10			
Open Line SHIPROCK 345.00-SAN JUAN 345.00 #1	105	1547.97	1857.56	Amps	100.64					
Open Line GUNBARRE 230.00-NIWOT 230.00 #1	258	1547.97	1857.56	Amps	100.65					
Open Line FT.CRAIG 345.00-SPRINGR 345.00 #1	370	1547.97	1857.56	Amps	100.90					
WINCHSTR	345.00-WINCHSTR 500.00 #1 0	Open Line WINCHSTR 500.00-PINAL S 500.00 #1	398	840	1200	MVA	101.52	100.09	100.15	
WRAY	230.00-N.YUMA 230.00 #1 1	Open Line WRAY 500.00-BURLNGTN 500.00 #1	390	705.37	705.37	Amps	110.82	110.48	110.50	
WRAY	230.00-WRAY 115.00 #1 0	Open Line DANIELPK 345.00-SQUIRLCR 345.00 #1	165	186	186	MVA	124.69	122.33	122.89	
		Open Line DANIELPK 345.00-COMANCHE 345.00 #2	166	186	186	MVA	124.13	121.79	122.34	
		Open Line BURLNGTN 230.00-WRAY 230.00 #1	178	186	186	MVA	125.88	123.62	124.15	
		Open Line WESTHILL 230.00-STEGALL 230.00 #1	179	186	186	MVA	124.06	121.75	122.29	

<b>AREA</b>	(All)	High Plains Express Contingency	pre10hs17	Pre Project
<b>ZONE</b>	(All)	At least a 3% decrease from previous case	12b40c7d1d	4000 MW gen, 70% Comp, 1d
<b>TYPE</b>	(All)	Change of less than ± 3% from previous case	14b40c7d1d-e	4000 MW gen, 70% Comp, 1d, EPTP Sen
<b>NOTES</b>	EMERGENCY RATING VIOLATION	At least a 3% increase from previous case	14b40c7d1d-e2	4000 MW gen, 70% Comp, 1d, EPTP Sen

E PCT					BASECASE							
OVERLOADED ELEMENT					NO	N RATE	E RATE	UNIT	pre10hs17.sav	12b40c7d1d.sav	14b40c7d1d-e.sav	14b40c7d1d-e2.sav
WRAY	230.00-WRAY	115.00 #1	0		180	186	186	MVA	124.87	122.51	123.07	
	Open Line LAR.RIVR	230.00-STEGALL	230.00 #1		181	186	186	MVA	124.74	122.32	122.87	
	Open Line ARCHER	345.00-STORY	345.00 #1		182	186	186	MVA	126.84	124.07	124.74	
	Open Line LAR.RIVR	345.00-ARCHER	345.00 #1		184	186	186	MVA	138.45	134.83	135.65	
	Open Line N.YUMA	230.00-WRAY	230.00 #1		187	186	186	MVA	127.98	125.60	126.15	
	Open Line SIDNEY	230.00-STEGALL	230.00 #1		191	186	186	MVA	124.74	122.32	122.87	
	Open Line STORY	345.00-ARCHER	345.00 #1		200	186	186	MVA	127.85	124.24	124.97	
	Open Line BURLNGTN	500.00-BSNDYSC1	500.00 #1		202	186	186	MVA	124.09			
	Open Line EGYCNTR	500.00-BOONE	500.00 #1		205	186	186	MVA	128.44	125.09	125.74	
	Open Line B.SANDY	500.00-BSNDYSC1	500.00 #1		308	186	186	MVA		121.74	122.29	
	Open Line MIDWAYPS	345.00-WATERTON	345.00 #1		328	186	186	MVA		121.75	122.29	
	Open Xfmr MIDWAYPS	230.00/MIDWAYPS	345.00 #T1		344	186	186	MVA		121.85	122.38	
	Open Xfmr WATERTON	230.00/WATERTON	345.00 #T1		387	186	186	MVA	131.86	129.35	130.01	
	Open Xfmr PAWNEE	500.00/PAWNEE	230.00 #1		390	186	186	MVA	164.67	165.09	165.08	
	Open Line WRAY	500.00-BURLNGTN	500.00 #1		391	186	186	MVA	127.36			
	Open Line BURLNGTN	500.00-LAMAR CO	500.00 #1		392	186	186	MVA	129.74			
	Open Line LAMAR CO	500.00-GLADSTON	500.00 #1		397	186	186	MVA	124.23	121.99	122.53	
	Open Line LUNA	500.00-WINCHSTR	500.00 #1		404	186	186	MVA	124.44	122.64	123.01	
	Drop Generator at DJ GEN 1	16.00 #1, 500 MW Dropped			409	186	186	MVA	124.25	122.45	122.81	
	Drop Generator at LR GEN 1	16.00 #1, 500 MW Dropped			415	186	186	MVA	123.97	121.89	122.34	
	Drop Generator at PN GEN 1	18.00 #1, 300 MW Dropped			399	186	186	MVA	126.26	123.39	124.09	
	Open Xfmr LAR.RIVR	500.00/LAR.RIVR	345.00 #1		405	186	186	MVA	124.44	122.64	123.01	
	Drop Generator at DJ GEN 2	16.00 #1, 500 MW Dropped			410	186	186	MVA	124.25	122.45	122.81	
	Drop Generator at LR GEN 2	16.00 #1, 500 MW Dropped			134	186	186	MVA	124.01	121.68	122.23	
	Open Line DAVEJOHN	230.00-STEGALL	230.00 #1		406	186	186	MVA	124.44	122.64	123.01	
	Drop Generator at DJ GEN 3	16.00 #1, 500 MW Dropped			411	186	186	MVA	124.25	122.45	122.81	
	Drop Generator at LR GEN 3	16.00 #1, 500 MW Dropped			201	186	186	MVA		125.42	125.74	
	Open Line BURLNGTN	500.00-BURLSC2	500.00 #1		203	186	186	MVA		124.43	124.79	
	Open Line EGYCNTR	500.00-BURLSC2	500.00 #1		407	186	186	MVA	124.44	122.64	123.01	
	Drop Generator at DJ GEN 4	16.00 #1, 500 MW Dropped			412	186	186	MVA	124.25	122.45	122.81	
	Drop Generator at LR GEN 4	16.00 #1, 500 MW Dropped			436	186	186	MVA		126.30	127.02	
	Open Line EGYCNTR	500.00-GLADSTON	500.00 #1									