

# GI-2004-2 CONTINGENCY COMPARISON TABLE

CASE 07 base																								
										07e FROM 07d CO GRN @ 100 MW ADD 2nd Lamar-Boone 230 kV LAMAR hvdc @150 MVAR														
										07f FROM 07d CO GRN2 @ 238 MW ADD 2nd Lamar-Boone 230 kV & hvdc @150 MVAR														
										07g FROM 07f CO GRN2 @ 238 MW ADD 2nd Lamar-Boone & 2nd COMA-Boon														
										07ga FROM 07g CO GRN2 @ 238 MW Lamar-Boone 2& 3 & 2nd COMA- Boon														
										07g1 FROM 07f CO GRN2 @ 238 MW ADD 2nd Lamar-Boone & 2nd Boon-midWAY														
										07g1A FROM 07f CO GRN2 @ 238 MW ADD Lamar-Boone 2&3 &														
										contingency														
---	From Bus	---	---	---	To Bus	---	---	CKT	rating	7f base	Cont	Cunt	Cont	Cont	Cont	Cont	Cont	---	From Bus	---	---	To Bus	---	CKT
#	---name---	-kv-	ar	#	---name---	-kv-	ar	ID	[MVA]	load	load	load	load	load	load	load	load	#	---name---	-kv-	#	---name---	-kv-	ID
70337	"PUEBLO "	14	70	70338	"PUEBLO "	69	70	"1 "	12	4%	190%	190%	190%	190%	190%	190%	190%	70337	PUEBLO	14	70339	PUEBLO	115	"1 "
70353	"READER "	69	70	70352	"READER "	115	70	"1 "	47	97%	169%	171%	171%	171%	171%	169%	168%	70353	READER	69	70352	READER	115	"2 "
70353	"READER "	69	70	70352	"READER "	115	70	"2 "	47	97%	169%	171%	171%	171%	171%	169%	168%	70353	READER	69	70352	READER	115	"1 "
70366	"ROCKYFRD"	69	70	70372	"S FWL TP"	69	70	"1 "	23.9	31%	170%	174%	176%	179%	172%	176%	170%	70060	BOONE	115	70249	LAJUNTAW	115	"1 "
70121	"COMANCHE"	115	70	70122	"COMANCHE"	230	70	"1 "	176	87%	149%	154%	162%	164%	165%	154%	154%	70121	COMANCHE	115	70122	COMANCHE	230	"2 "
70121	"COMANCHE"	115	70	70122	"COMANCHE"	230	70	"2 "	185	83%	143%	147%	154%	156%	157%	146%	146%	70121	COMANCHE	115	70122	COMANCHE	230	"1 "
70121	"COMANCHE"	115	70	70352	"READER "	115	70	"1 "	216.9	118%	133%	137%	147%	150%	150%	137%	135%	70122	COMANCHE	230	70286	MIDWAYPS	230	"1 "
73391	"CTTNWD N"	115	73	73410	"KETTLECK"	115	73	"1 "	132.9	87%	125%	132%	139%	139%	140%	139%	139%	73389	BRIARGAT	115	73391	CTTNWD N	115	"1 "
73460	"BLK SQMV"	115	73	73454	"BLK SQMV"	69	73	"1 "	50	64%	127%	134%	137%	137%	137%	137%	137%	73392	CTTNWD N	230	73391	CTTNWD N	115	"1 "
70054	"BMONT TP"	69	70	70455	"W.STATON"	69	70	"1 "	47.8	34%	134%	132%	134%	134%	133%	133%	132%	70031	APT TAP	115	70301	NTHRIDGE	115	"1 "
70062	"BOONE "	69	70	70060	"BOONE "	115	70	"1 "	33	28%	129%	131%	132%	134%	130%	133%	129%	70060	BOONE	115	70249	LAJUNTAW	115	"1 "
70250	"LAJUNTAW"	69	70	70249	"LAJUNTAW"	115	70	"1 "	25	91%	124%	124%	123%	124%	125%	124%	125%	70062	BOONE	69	70063	BOONE TP	69	"1 "
70132	"CTY LAJ "	69	70	70248	"LAJUNTAT"	69	70	"1 "	39	64%	125%	125%	125%	125%	125%	125%	125%	70247	LAJUNTAT	115	70248	LAJUNTAT	69	"1 "
70042	"ASPEN TP"	69	70	70051	"BLENDE "	69	70	"1 "	47.8	86%	123%	123%	123%	123%	122%	122%	122%	70054	BMONT TP	69	70305	OVERTON	69	"1 "
70701	"CO GRN E"	35	70	70700	"COLO GRN"	230	70	"1 "	83	101%	121%	120%	120%	120%	120%	120%	120%	BASE CASE						
70702	"CO GRN W"	35	70	70700	"COLO GRN"	230	70	"1 "	83	101%	121%	120%	120%	120%	120%	120%	120%	BASE CASE						
70459	"WALSENBG"	230	70	70458	"WALSENBG"	115	70	"1 "	100	62%	116%	120%	125%	124%	125%	116%	117%	70121	COMANCHE	115	70352	READER	115	"1 "
73179	"SIDNEY "	115	73	73180	"SIDNEY "	230	73	"1 "	167	87%	117%	117%	117%	117%	117%	117%	117%	73143	N.YUMA	230	73180	SIDNEY	230	"1 "
73404	"FOUNTAIN"	115	73	73417	"RD_NIXON"	115	73	"1 "	199.2	68%	116%	118%	121%	120%	120%	121%	121%	73407	KELKER	230	73419	RD_NIXON	230	"1 "
70330	"PORTLAND"	115	70	70456	"W.STATON"	115	70	"1 "	119.5	72%	118%	123%	131%	131%	131%	128%	128%	73551	W CANON	230	73413	MIDWAYBR	230	"1 "
73384	"BIRDSALE"	115	73	73386	"BIRDSALS"	35	73	"1 "	27	36%	119%	119%	119%	119%	119%	119%	119%	73386	BIRDSALS	34.5	73383	BIRDSAL3	13.8	"1 "
70469	"WELD "	46	70	70470	"WELD PS"	115	70	"1 "	46.7	115%	115%	115%	115%	115%	115%	115%	115%	BASE CASE						
73398	"DRAKE S "	115	73	73396	"DRAKE E "	35	73	"1 "	67	38%	115%	115%	115%	115%	115%	115%	115%	73396	DRAKE E	34.5	73427	DRAKE 5	13.8	"1 "
70236	"HYDEPARK"	115	70	70339	"PUEBLO "	115	70	"1 "	119	84%	106%	112%	122%	125%	126%	112%	110%	70352	READER	115	70456	W.STATON	115	"1 "
70062	"BOONE "	69	70	70063	"BOONE TP"	69	70	"1 "	35.9	25%	117%	120%	121%	123%	118%	121%	117%	70060	BOONE	115	70249	LAJUNTAW	115	"1 "
73023	"BIJOUTAP"	115	73	73379	"FMWEST "	115	73	"1 "	80	75%	113%	114%	114%	114%	114%	114%	114%	73020	BEAVERCK	115	73464	ADENA	115	"1 "
73166	"REDWILLW"	115	73	73208	"WAGES "	115	73	"1 "	55	53%	112%	112%	113%	113%	113%	113%	113%	73175	SANDHILL	115	73223	WRAY	115	"1 "
70049	"BELMONT "	69	70	70305	"OVERTON "	69	70	"1 "	47.8	14%	113%	113%	112%	112%	112%	112%	111%	70042	ASPEN TP	69	70051	BLENDE	69	"1 "
70352	"READER "	115	70	70456	"W.STATON"	115	70	"1 "	99.6	61%	102%	108%	117%	120%	120%	107%	106%	70339	PUEBLO	115	70352	READER	115	"1 "
70247	"LAJUNTAT"	115	70	70248	"LAJUNTAT"	69	70	"1 "	25	106%	109%	109%	109%	109%	109%	109%	110%	BASE CASE						
70236	"HYDEPARK"	115	70	70456	"W.STATON"	115	70	"1 "	119	78%	100%	106%	116%	120%	120%	106%	105%	70352	READER	115	70456	W.STATON	115	"1 "

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CASE 07 base																								
															contingency									
---	From Bus	---	---	---	To Bus	---	---	CKT	rating	7f base	Cont	Cunt	Cont	Cont	Cont	Cont	---	From Bus	---	---	To Bus	---	CKT	
#	---name---	-kv-	ar	#	---name---	-kv-	ar	ID	[MVA]	load	load	load	load	load	load	load	#	---name---	-kv-	#	---name---	-kv-	ID	
73423	"TESLA "	35	73	73424	"TESLA1 "	14	73	"1 "	27	96%	108%	109%	109%	109%	109%	108%	73393	CTTNWD S	115	73395	CTTNWD S	34.5	"1 "	
73407	"KELKER "	230	73	73409	"KELKER W"	115	73	"1 "	280	78%	105%	106%	107%	107%	108%	108%	73404	FOUNTAIN	115	73417	RD_NIXON	115	"1 "	
70456	"W.STATON"	115	70	70455	"W.STATON"	69	70	"1 "	42	45%	104%	104%	103%	104%	104%	103%	70042	ASPEN TP	69	70051	LENDE	69	"1 "	
73385	"BIRDSALN"	35	73	73381	"BIRDSAL1"	14	73	"1 "	20	81%	103%	103%	104%	104%	103%	103%	73387	BIRDSALW	115	73385	BIRDSALN	34.5	"1 "	
70254	"LAMAR CO"	230	70	70253	"LAMAR CO"	115	70	"1 "	100	73%	DNS	85%	121%	102%	<100%	102%	70061	BOONE	230	70254	LAMAR CO	230	"1 "	
73397	"DRAKE N "	115	73	73429	"DRAKE 7 "	14	73	"1 "	140	99%	102%	102%	102%	102%	102%	102%	73407	KELKER	230	73419	RD_NIXON	230	"1 "	
73410	"KETTLECK"	115	73	73414	"MONUMENT"	115	73	"1 "	132.9	75%	<100%	100%	111%	102%	112%	102%	111%	73477	FULLER	230	70139	DANIELPK	230	"1 "
73389	"BRIARGAT"	115	73	73391	"CTTNWD N"	115	73	"1 "	159.4	41%	<100%	101%	106%	107%	107%	106%	73391	CTTNWD N	115	73410	KETTLECK	115	"1 "	
70060	"BOONE "	115	70	70061	"BOONE "	230	70	"1 "	150	67%	<100%	101%	105%	104%	104%	106%	70254	LAMAR CO	230	70253	LAMAR CO	115	"1 "	
70456	"W.STATON"	115	70	70455	"W.STATON"	69	70	"2 "	42	44%	102%	102%	101%	101%	101%	101%	70042	ASPEN TP	69	70051	LENDE	69	"1 "	
70285	"MIDWAYPS"	115	70	70456	"W.STATON"	115	70	"1 "	79.7	18%	100%	<100%	104%	104%	104%	103%	70121	COMANCHE	115	70352	READER	115	"1 "	
73110	"LIBERTY "	115	73	73309	"BARLOW "	115	73	"1 "	60	29%	<100%	<100%	104%	104%	104%	104%	73020	BEAVERCK	115	73136	MESSEX	115	"1 "	
73388	"BRADLEY "	115	73	73404	"FOUNTAIN"	115	73	"1 "	199.2	51%	<100%	100%	103%	102%	104%	103%	73407	KELKER	230	73419	RD_NIXON	230	"1 "	
70060	"BOONE "	115	70	70159	"DOT TAP"	115	70	"1 "	99.6	69%	<100%	<100%	115%	101%	100%	<100%	70061	BOONE	230	70286	MIDWAYPS	230	"2 "	
73031	"BRUSHTAP"	115	73	73305	"EFMORGTP"	115	73	"1 "	121.7	71%	102%	102%	100%	<100%	<100%	<100%	73192	STORY	230	70311	PAWNEE	230	"1 "	
70524	"SULPHUR "	230	70	70523	"SULPHUR "	115	70	"1 "	168	<100%	102%	<100%	<100%	<100%	<100%	<100%	70395	SMOKYHIL	115	70521	PEAKVIEW	115	"1 "	
70395	"SMOKYHIL"	115	70	70396	"SMOKYHIL"	230	70	"1 "	150	<100%	100%	<100%	<100%	<100%	<100%	<100%	70523	SULPHUR	115	70517	PARKERPS	115	"1 "	
70308	"PALMER "	115	70	73414	"MONUMENT"	115	73	"1 "	134.8	<100%	<100%	<100%	100%	100%	101%	101%	73477	FULLER	230	70122	COMANCHE	230	"1 "	
70061	"BOONE "	230	70	70254	"LAMAR CO"	230	70	"1 "	495	45%	N/A	75%	101%	DNS	<100%	101%	70061	BOONE	230	70254	LAMAR CO	230	"2 "	
70254	"LAMAR CO"	230	70	70253	"LAMAR CO"	115	70	"1 "	100	73%	N/A	99%	121%	DNS	<100%	118%	70061	BOONE	230	70254	LAMAR CO	230	"2 "	
70022	"APT TAP2"	115	70	70159	"DOT TAP"	115	70	"1 "	102.6	<100%	<100%	<100%	108%	<100%	<100%	<100%	70061	BOONE	230	70286	MIDWAYPS	230	"1 "	
73388	"BRADLEY "	115	73	73409	"KELKER W"	115	73	"1 "	160.5	<100%	<100%	<100%	100%	<100%	<100%	<100%	73407	KELKER	230	73419	RD_NIXON	230	"1 "	

**Color Code**

Aquila
CSU
PSCo
TSGT
WAPA
IREA