



System Impact Study for
Transmission Service Requests
from

UTILICORP UNITED

Missouri Public Service
Empire District Electric Co.
St. Joseph Light and Power Co.

SPP Transmission Planning
April 21, 2000

Exhibit No. 303
Date 7-14-00 Case No. EM-2000-292
Reporter 202814

IV. BRANCH OVERLOADS

BRANCH OVERLOAD TABLE

2000 FALL PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----X	MULTI-SECTION LINE GROUPINGS	----	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59202	[SIBLEY 5161.00]	TO	59263	[SIBLEY 269.000]	CKT 1	59262	LIBERTY269.0	59263	*SIBLEY	269.0	1
							37.2	83.3	78.0	103.1	reduce generation

2000 FALL PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

NONE

2000 FALL PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2000 WINTER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

NONE

2000 WINTER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X-----X	MULTI-SECTION LINE GROUPINGS	----	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59568	[STK324 269.000]	TO	59616	[STK631J269.000]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1
							3.2	7.3	5.0	145.6	provide solutions
59568	[STK324 269.000]	TO	59638	[STK324 134.500]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1
							3.2	7.2	5.0	145.0	provide solutions
59605	[STK418 269.000]	TO	59614	[SK631CJ269.000]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1
							3.2	5.2	5.0	103.5	provide solutions
59637	[HUM308 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1
							3.2	7.0	5.0	140.7	provide solutions
59638	[STK324 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1
							3.2	7.3	5.0	145.1	provide solutions
59605	[STK418 269.000]	TO	96118	[5STKAEC 161.00]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1
							3.2	5.2	5.0	103.4	provide solutions

2000 WINTER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2001 APRIL MINIMUM, MISSOURI PUBLIC SERVICE - AREA 540

NONE

2001 APRIL MINIMUM, EMPIRE DISTRICT ELECTRIC - AREA 544

NONE

2001 APRIL MINIMUM, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

Schedule No. 7

BRANCH OVERLOAD TABLE

2001 FALL PEAK, MISSOURI PUBLIC SERVICE - AREA 540
 2001 FALL PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544
 2001 FALL PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE
 NONE
 NONE

2001 SUMMER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----X	MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59202	[SIBLEY 5161.00]	TO 59263	[SIBLEY 269.000]	CKT 1	59262 LIBERTY269.0	59263*SIBLEY 269.0 1	46.7	88.5	78.0	110.1 Reduce Generation
59206	[PRALEE 5161.00]	TO 59233	[LEESUM 5161.00]	CKT 1	59225 PHILL 5 161	59243*LKWINGB5 161 1	231.0	323.0	294.0	109.1 Line Rebuild
					59243*LKWINGB5 161	59249 HOOKRD 5 161 1	212.8	304.7	294.0	102.9 Line Rebuild
59208	[NEVADA 5161.00]	TO 59308	[NEVADA 269.000]	CKT 1	59208*NEVADA 5 161	59308 NEVADA 269.0 2	28.0	54.9	50.0	109.8 Generation
59208	[NEVADA 5161.00]	TO 59308	[NEVADA 269.000]	CKT 2	59208*NEVADA 5 161	59308 NEVADA 269.0 1	31.8	55.9	50.0	111.7 Generation
59209	[SEDALIA5161.00]	TO 59272	[SEDS 269.000]	CKT 1	59209*SEDALIA5 161	59271 SEDN 269.0 1	32.4	50.3	50.0	100.7 Shift Load to 161
59218	[GRNWD 5161.00]	TO 59233	[LEESUM 5161.00]	CKT 1	59224 LNGVW 5 161	59249*HOOKRD 5 161 1	193.7	305.0	294.0	103.6 Line Rebuild
					59225 PHILL 5 161	59243*LKWINGB5 161 1	231.0	343.4	294.0	116.1 Line Rebuild
					59243 LKWINGB5 161	59249*HOOKRD 5 161 1	212.8	323.6	294.0	109.9 Line Rebuild
59224	[LNGVW 5161.00]	TO 59249	[HOOKRD 5161.00]	CKT 1	59206 PRALEE 5 161	59233*LEESUM 5 161 1	172.1	259.5	245.0	105.3 Line Rebuild
59224	[LNGVW 5161.00]	TO 59282	[LNGVW 269.000]	CKT 1	59210*MARTCTY5 161	59287 MARTCTY269.0 1	32.4	50.4	50.0	100.8 Acceptable
59225	[PHILL 5161.00]	TO 59243	[LKWINGB5161.00]	CKT 1	59206*PRALEE 5 161	59233 LEESUM 5 161 1	172.1	274.5	245.0	112.1 Line Rebuild
59225	[PHILL 5161.00]	TO 59280	[PHILL 269.000]	CKT 1	59228*WBURGE 5 161	59269 WBURGE 269.0 1	41.0	50.7	50.0	101.5 Generation
					59239*HSNVL 5 161	59295 HSNVL 269.0 1	43.5	72.4	50.0	144.9 Generation
					59284 GRDVWTP269.0	59288*RGAFB 269.0 1	31.3	61.2	53.0	123.2 Generation
					59288 RGAFB 269.0	59289*BELTON 269.0 1	26.8	56.2	53.0	114.0 Generation
					59289 BELTON 269.0	59290*BELTONS269.0 1	22.1	51.0	53.0	104.7 Generation
59239	[HSNVL 5161.00]	TO 59295	[HSNVL 269.000]	CKT 1	59225*PHILL 5 161	59280 PHILL 269.0 1	78.0	102.1	100.0	102.1 Generation
59242	[CLINTON5161.00]	TO 59303	[CLINTON269.000]	CKT 1	59242*CLINTON5 161	59303 CLINTON269.0 2	33.5	52.6	50.0	105.2 Acceptable
59242	[CLINTON5161.00]	TO 59303	[CLINTON269.000]	CKT 2	59242*CLINTON5 161	59303 CLINTON269.0 1	33.4	52.9	50.0	105.8 Acceptable
59243	[LKWINGB5161.00]	TO 59249	[HOOKRD 5161.00]	CKT 1	59206 PRALEE 5 161	59233*LEESUM 5 161 1	172.1	267.8	245.0	108.8 Line Rebuild
59279	[RGREEN 269.000]	TO 59280	[PHILL 269.000]	CKT 1	59239*HSNVL 5 161	59295 HSNVL 269.0 1	43.5	60.4	50.0	120.8 Generation
					59296 HSNVL5W269.0	59297*HSNVLN 269.0 1	16.7	44.2	41.0	111.1 Generation
59284	[GRDVWTP269.000]	TO 59288	[RGAFB 269.000]	CKT 1	59239*HSNVL 5 161	59295 HSNVL 269.0 1	43.5	55.5	50.0	111.1 Generation
59288	[RGAFB 269.000]	TO 59289	[BELTON 269.000]	CKT 1	59239*HSNVL 5 161	59295 HSNVL 269.0 1	43.5	53.5	50.0	107.0 Acceptable
59289	[BELTON 269.000]	TO 59290	[BELTONS269.000]	CKT 1	59239*HSNVL 5 161	59295 HSNVL 269.0 1	43.5	51.7	50.0	103.3 Acceptable
59242	[CLINTON5161.00]	TO 96071	[5CLINTN 161.00]	CKT 1	59228*WBURGE 5 161	59269 WBURGE 269.0 1	41.0	65.8	50.0	131.6 Accept Risk
					59268 WBURGP 269.0	59300*POSTOAK269.0 1	7.7	41.7	46.0	105.1 Accept Risk

2001 SUMMER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X-----X	MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59480	[MON383 5161.00]	TO 59591	[MON383 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1	120.2	168.3	157.0	109.5 reconductor

2001 SUMMER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

2001 SPRING PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----X	MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59202	[SIBLEY 5161.00]	TO 59263	[SIBLEY 269.000]	CKT 1	59262 LIBERTY269.0	59263*SIBLEY 269.0 1	41.7	92.4	78.0	114.7 Reduce Generation

BRANCH OVERLOAD TABLE

2001 SPRING PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544
2001 SPRING PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

NONE

2001 WINTER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

NONE

2001 WINTER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X-----	MULTI-SECTION LINE GROUPINGS	----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
59568	[STK324 269.000]	TO	59616	[STK631J269.000]	CKT 1	9545*	FRP217 269.0	59635	FRP217 134.5	1	3.4	7.3	5.0	146.3 provide solutions
59568	[STK324 269.000]	TO	59638	[STK324 134.500]	CKT 1	59545*	FRP217 269.0	59635	FRP217 134.5	1	3.4	7.3	5.0	145.6 provide solutions
59605	[STK418 269.000]	TO	59614	[SK631CJ269.000]	CKT 1	59545*	FRP217 269.0	59635	FRP217 134.5	1	3.4	5.0	5.0	100.6 provide solutions
59637	[HUM308 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*	FRP217 269.0	59635	FRP217 134.5	1	3.4	7.1	5.0	141.5 provide solutions
59638	[STK324 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*	FRP217 269.0	59635	FRP217 134.5	1	3.4	7.3	5.0	145.9 provide solutions
59605	[STK418 269.000]	TO	96118	[5STKAEC 161.00]	CKT 1	59545*	FRP217 269.0	59635	FRP217 134.5	1	3.4	5.0	5.0	100.5 provide solutions

2001 WINTER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2004 SUMMER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----	MULTI-SECTION LINE GROUPINGS	----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
59202	[SIBLEY 5161.00]	TO	59263	[SIBLEY 269.000]	CKT 1	59262	LIBERTY269.0	59263*	SIBLEY 269.0	1	44.9	87.5	78.0	108.8 Generation
59208	[NEVADA 5161.00]	TO	59308	[NEVADA 269.000]	CKT 1	59208*	NEVADA 5 161	59308	NEVADA 269.0	2	29.4	57.1	50.0	114.2 Acceptable
59208	[NEVADA 5161.00]	TO	59308	[NEVADA 269.000]	CKT 2	59208*	NEVADA 5 161	59308	NEVADA 269.0	1	33.4	58.1	50.0	116.3 Acceptable
59209	[SEDALIA5161.00]	TO	59271	[SEDN 269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	54.2	50.0	108.5 Acceptable
59209	[SEDALIA5161.00]	TO	59272	[SEDS 269.000]	CKT 1	59209*	SEDALIA5 161	59271	SEDN 269.0	1	33.5	52.8	50.0	105.6 Acceptable
						59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	52.5	50.0	105.1 Acceptable
59229	[PHILL 5161.00]	TO	59280	[PHILL 269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	52.7	50.0	105.5 Acceptable
						59239*	HSNVL 5 161	59295	HSNVL 269.0	1	37.5	54.2	50.0	108.4 Acceptable
59229	[ODESSA 5161.00]	TO	59267	[ODESSA 269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	50.7	50.0	101.3 Acceptable
59232	[LEX161 5161.00]	TO	59264	[LEX69 269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	50.9	50.0	101.9 Acceptable
59242	[CLINTON5161.00]	TO	59303	[CLINTON269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	51.7	50.0	103.4 Acceptable
						59242*	CLINTON5 161	59303	CLINTON269.0	2	35.7	56.0	50.0	111.9 Acceptable
59242	[CLINTON5161.00]	TO	59303	[CLINTON269.000]	CKT 2	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	51.6	50.0	103.2 Acceptable
						59242*	CLINTON5 161	59303	CLINTON269.0	1	36.1	56.7	50.0	113.4 Acceptable
59264	[LEX69 269.000]	TO	59265	[LEXNTON269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	50.9	50.0	101.9 Acceptable
59268	[WBURGP 269.000]	TO	59278	[HOLDEN 269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	50.4	50.0	100.9 Acceptable
59278	[HOLDEN 269.000]	TO	59279	[RGREEN 269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	57.7	50.0	115.4 Acceptable
59280	[PHILL 269.000]	TO	59290	[BELTONS269.000]	CKT 1	59284	GRDVWTP269.0	59288*	RGAFB 269.0	1	24.9	50.9	53.0	102.6 Upgrade
						59292*	ANCONDA269.0	59293	HSNVLW 269.0	1	16.3	33.3	32.0	106.2 Upgrade
59300	[POSTOAK269.000]	TO	59301	[CLNTPLT269.000]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	50.4	50.0	100.8 Acceptable
59242	[CLINTON5161.00]	TO	96071	[5CLINTN 161.00]	CKT 1	59228*	WBURGE 5 161	59269	WBURGE 269.0	1	46.5	73.0	50.0	146.0 Accept Risk
						59268	WBURGP 269.0	59300*	POSTOAK269.0	1	4.4	50.2	46.0	121.8 Accept Risk
						59300	POSTOAK269.0	59301*	CLNTPLT269.0	1	9.3	39.1	46.0	101.3 Accept Risk

Schedule No. 7

BRANCH OVERLOAD TABLE

2004 SUMMER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X-----	MULTI-SECTION LINE GROUPINGS				----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59472	[TIP292	5161.00]	TO	59483	[JOP389	5161.00]	CKT 1	59483*JOP389	5 161	59592 JOP389	269.0 1	57.8	75.4	75.0	100.6 increase capacity
59480	[MON383	5161.00]	TO	59591	[MON383	269.000]	CKT 1	59468 AUR124	5 161	59480*MON383	5 161 1	119.3	173.5	157.0	113.1 reconductor
59483	[JOP389	5161.00]	TO	59607	[JOP422	5161.00]	CKT 1	59483*JOP389	5 161	59592 JOP389	269.0 1	57.8	77.0	75.0	102.7 increase capacity
59568	[STK324	269.000]	TO	59616	[STK631J	269.000]	CKT 1	59545*FRP217	269.0	59635 FRP217	134.5 1	3.0	6.5	6.0	107.9 provide solutions
59568	[STK324	269.000]	TO	59638	[STK324	134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217	134.5 1	3.0	6.3	6.0	104.8 provide solutions
59637	[HUM308	134.500]	TO	59641	[CAP304	134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217	134.5 1	3.0	6.1	6.0	101.3 provide solutions
59638	[STK324	134.500]	TO	59641	[CAP304	134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217	134.5 1	3.0	6.3	6.0	104.9 provide solutions

2004 SUMMER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2004 WINTER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----	MULTI-SECTION LINE GROUPINGS				----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59242	[CLINTON5161.00]	TO	96071	[5CLINTN 161.00]	CKT 1	59228*WBURGE	5 161	59269	WBURGE	269.0	1	34.6	50.3	50.0	100.6 Acceptable

2004 WINTER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X-----	MULTI-SECTION LINE GROUPINGS				----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59568	[STK324 269.000]	TO	59616	[STK631J269.000]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1	3.6	7.7	5.0	153.4 provide solutions
59568	[STK324 269.000]	TO	59638	[STK324 134.500]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1	3.6	7.6	5.0	152.7 provide solutions
59605	[STK418 269.000]	TO	59614	[SK631CJ269.000]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1	3.6	5.6	5.0	112.2 provide solutions
59637	[HUM308 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1	3.6	7.6	5.0	152.9 provide solutions
59638	[STK324 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1	3.6	7.9	5.0	157.6 provide solutions
59605	[STK418 269.000]	TO	96118	[5STKAEC 161.00]	CKT 1	59545*FRP217	269.0	59635	FRP217	134.5	1	3.6	5.6	5.0	112.1 provide solutions

2004 WINTER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2006 SUMMER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X----- MULTI-SECTION LINE GROUPINGS -----X						FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
BASE CASE-----						59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	51.0	50.0	102.1 Planned Upgrades
59162	[PHILL#1 22.000]	TO	59225	[PHILL 5161.00]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	405.8	400.0	101.4 Rating
						59200	*PHILL 7 345	59225	PHILL 5 161 1		210.2	416.5	400.0	104.1 Acceptable
						59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	52.5	50.0	105.1 Planned Upgrades
59163	[PHILL#2 22.000]	TO	59200	[PHILL 7345.00]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	403.6	400.0	100.9 Rating
59200	[PHILL 7345.00]	TO	59201	[SIBLEY 7345.00]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	403.3	400.0	100.8 Rating
59200	[PHILL 7345.00]	TO	59225	[PHILL 5161.00]	CKT 1	59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	52.1	50.0	104.1 Planned Upgrades
59202	[SIBLEY 5161.00]	TO	59263	[SIBLEY 269.000]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	400.7	400.0	100.2 Rating
						59262	LIBERTY269.0	59263	*SIBLEY 269.0 1		45.1	82.7	78.0	102.9 Generation
59205	[BLSPE 5161.00]	TO	59211	[BLSPE 5161.00]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	400.8	400.0	100.2 Rating
59206	[PRALEE 5161.00]	TO	59211	[BLSPE 5161.00]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	401.4	400.0	100.4 Rating
59206	[PRALEE 5161.00]	TO	59233	[LEESUM 5161.00]	CKT 1	59151	*SIBLEY#322.0	59202	SIBLEY 5 161 1		399.7	401.3	400.0	100.3 Rating
59207	[ARCHIE 5161.00]	TO	59239	[HSNVL 5161.00]	CKT 1	59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	52.3	50.0	104.6 Planned Upgrades
59207	[ARCHIE 5161.00]	TO	59240	[ADRIAN 5161.00]	CKT 1	59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	55.2	50.0	110.3 Planned Upgrades
59208	[NEVADA 5161.00]	TO	59216	[BUTLER 5161.00]	CKT 1	59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	53.2	50.0	106.4 Planned Upgrades
59208	[NEVADA 5161.00]	TO	59308	[NEVADA 269.000]	CKT 1	59208	*NEVADA 5 161	59308	NEVADA 269.0 2		31.5	61.3	50.0	122.5 Acceptable
59208	[NEVADA 5161.00]	TO	59308	[NEVADA 269.000]	CKT 2	59208	*NEVADA 5 161	59308	NEVADA 269.0 1		35.8	62.4	50.0	124.8 Acceptable
59209	[SEDALIA5161.00]	TO	59271	[SEDN 269.000]	CKT 1	59209	*SEDALIA5 161	59272	SEDS 269.0 1		31.0	53.9	50.0	107.7 Acceptable
59209	[SEDALIA5161.00]	TO	59272	[SEDS 269.000]	CKT 1	59209	*SEDALIA5 161	59271	SEDN 269.0 1		34.4	55.8	50.0	111.6 Acceptable
59210	[MARTCTY5161.00]	TO	59287	[MARTCTY269.000]	CKT 1	59225	*PHILL 5 161	59280	PHILL 269.0 1		90.8	101.3	100.0	101.3 Acceptable
						59239	*HSNVL 5 161	59295	HSNVL 269.0 1		51.0	57.6	50.0	115.2 Planned Upgrades

BRANCH OVERLOAD TABLE

X-----	MULTI-SECTION LINE GROUPINGS			----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59216	[BUTLER_5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	54.8	50.0	109.6	Planned Upgrades
59218	[GRNWD 5161.00]	TO 59225	[PHILL 5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	401.1	400.0	100.3	Rating
59218	[GRNWD 5161.00]	TO 59233	[LEESUM 5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	402.3	400.0	100.6	Rating
59219	[RAYTOWN5161.00]	TO 59220	[FROSTRD5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	401.3	400.0	100.3	Rating
59220	[FROSTRD5161.00]	TO 59245	[KCSOUTH5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	400.7	400.0	100.2	Rating
59224	[LNGVW 5161.00]	TO 59245	[KCSOUTH5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	401.2	400.0	100.3	Rating
59224	[LNGVW 5161.00]	TO 59249	[HOOKRD 5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	401.2	400.0	100.3	Rating
					59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	101.4	100.0	101.4	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	53.3	50.0	106.5	Planned Upgrades
59224	[LNGVW 5161.00]	TO 59282	[LNGVW 269.000]	CKT 1	59210*MARTCTY5	161	59287	MARTCTY269.0 1	37.8	58.8	50.0	117.5	Acceptable	
					59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	103.9	100.0	103.9	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	58.0	50.0	116.1	Planned Upgrades
59225	[PHILL 5161.00]	TO 59243	[LKWINGB5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	401.9	400.0	100.5	Rating
					59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	103.3	100.0	103.3	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	53.7	50.0	107.4	Planned Upgrades
59225	[PHILL 5161.00]	TO 59280	[PHILL 269.000]	CKT 1	59210*MARTCTY5	161	59287	MARTCTY269.0 1	37.8	56.7	50.0	113.4	Acceptable	
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	85.0	50.0	170.0	Planned Upgrades
					59284	GRDVWTP269.0	59288*RGAFB	269.0 1	35.8	70.1	53.0	144.8	Upgrade	
					59288	RGAFB 269.0	59289*BELTON	269.0 1	30.5	64.2	53.0	133.7	Upgrade	
					59289	BELTON 269.0	59290*BELTONS269.0 1	25.1	58.0	53.0	122.5	Upgrade		
					59296	HSNVLSW269.0	59297*HSNVLN 269.0 1	17.7	41.7	41.0	109.5	Upgrade		
59239	[HSNVL 5161.00]	TO 59295	[HSNVL 269.000]	CKT 1	59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	119.4	100.0	119.4	Acceptable
					59284	GRDVWTP269.0	59288*RGAFB	269.0 1	35.8	53.2	53.0	106.3	Upgrade	
59242	[CLINTON5161.00]	TO 59303	[CLINTON269.000]	CKT 1	59242*CLINTON5	161	59303	CLINTON269.0 2	38.4	60.1	50.0	120.1	Acceptable	
59242	[CLINTON5161.00]	TO 59303	[CLINTON269.000]	CKT 2	59242*CLINTON5	161	59303	CLINTON269.0 1	38.9	60.8	50.0	121.6	Acceptable	
59243	[LKWINGB5161.00]	TO 59249	[HOOKRD 5161.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	401.5	400.0	100.4	Rating
					59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	102.4	100.0	102.4	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	53.5	50.0	107.0	Planned Upgrades
59268	[WBURGP 269.000]	TO 59269	[WBURGE 269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	52.3	50.0	104.6	Planned Upgrades
59268	[WBURGP 269.000]	TO 59278	[HOLDEN 269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	52.1	50.0	104.2	Planned Upgrades
59279	[RGREEN 269.000]	TO 59280	[PHILL 269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	69.3	50.0	138.5	Generation
					59295	HSNVL 269.0	59296*HSNVLSW269.0 1	21.3	53.0	53.0	102.6	Generation		
					59296	HSNVLSW269.0	59297*HSNVLN 269.0 1	17.7	48.7	41.0	123.6	Generation		
59279	[RGREEN 269.000]	TO 59297	[HSNVLN 269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	55.3	50.0	110.6	Planned Upgrades
59280	[PHILL 269.000]	TO 59290	[BELTONS269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	52.8	50.0	105.6	Planned Upgrades
					59284	GRDVWTP269.0	59288*RGAFB	269.0 1	35.8	55.6	53.0	112.7	Upgrade	
					59288	RGAFB 269.0	59289*BELTON	269.0 1	30.5	50.0	53.0	102.1	Upgrade	
					59292*ANCONDA269.0	59293	HSNVLW 269.0 1	17.9	33.1	32.0	104.8	Upgrade		
59282	[LNGVW 269.000]	TO 59284	[GRDVWTP269.000]	CKT 1	59210*MARTCTY5	161	59287	MARTCTY269.0 1	37.8	54.4	50.0	108.7	Acceptable	
					59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	101.1	100.0	101.1	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	56.4	50.0	112.8	Planned Upgrades
59284	[GRDVWTP269.000]	TO 59285	[GRDWCTY269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	52.2	50.0	104.4	Planned Upgrades
59284	[GRDVWTP269.000]	TO 59288	[RGAFB 269.000]	CKT 1	59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	115.5	100.0	115.5	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	65.3	50.0	130.7	Planned Upgrades
59285	[GRDWCTY269.000]	TO 59286	[GRDWST 269.000]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	54.2	50.0	108.4	Planned Upgrades
59286	[GRDWST 269.000]	TO 59287	[MARTCTY269.000]	CKT 1	59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	101.2	100.0	101.2	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	57.6	50.0	115.1	Planned Upgrades
59288	[RGAFB 269.000]	TO 59289	[BELTON 269.000]	CKT 1	59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	111.6	100.0	111.6	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	63.0	50.0	126.0	Planned Upgrades
59289	[BELTON 269.000]	TO 59290	[BELTONS269.000]	CKT 1	59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	107.6	100.0	107.6	Acceptable
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	60.7	50.0	121.3	Planned Upgrades
59295	[HSNVL 269.000]	TO 59296	[HSNVLSW269.000]	CKT 1	59225*PHILL	5 161	59280	PHILL	269.0 1	90.8	100.7	100.0	100.7	Acceptable
59201	[SIBLEY 7345.00]	TO 31408	[OVERTON 345.00]	CKT 1	59151*SIBLEY#322.0	5 161 1	59202	SIBLEY	5 161 1	399.7	402.7	400.0	100.7	Rating
59210	[MARTCTY5161.00]	TO 58002	[MARTCIT5161.00]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	52.6	50.0	105.6	Planned Upgrades

Schedule No 7

BRANCH OVERLOAD TABLE

X-----	MULTI-SECTION LINE GROUPINGS -----X				FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59217	[WINDSR 5161.00]	TO 96071	[5CLINTN 161.00]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	52.0	50.0	104.1 Planned Upgrades
59242	[CLINTON5161.00]	TO 96071	[5CLINTN 161.00]	CKT 1	59151*SIBLEY#322.0	5 161	59202	SIBLEY	5 161 1	399.7	401.2	400.0	100.3 Accept Risk
					59208*NEVADA	5 161	59308	NEVADA	269.0 1	35.8	50.3	50.0	100.6 Accept Risk
					59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	53.6	50.0	107.3 Accept Risk
					59268 WBURGP	269.0	59300*POSTOAK	269.0 1	1.5	54.2	46.0	135.1 Accept Risk	
					59300 POSTOAK	269.0	59301*CLNTPLT	269.0 1	9.3	41.8	46.0	112.1 Accept Risk	
SPP-12													
59207	[ARCHIE 5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1	59239*HSNVL	5 161	59295	HSNVL	269.0 1	51.0	55.1	50.0	110.3 Planned Upgrades
59216	[BUTLER_5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1									
59208	[NEVADA 5161.00]	TO 59216	[BUTLER_5161.00]	CKT 1									
CONTINGENCY SPP-CIRCGD1													
56752	[HOYT 7345.00]	TO 56758	[STRANOR7345.00]	CKT 1	59151*SIBLEY#322.0	5 161	59202	SIBLEY	5 161 1	399.7	400.8	400.0	100.2 Rating
57043	[CIRCLE 1115.00]	TO 57058	[MOUNDRG3115.00]	CKT 1									
57033	[SPRGCRK3115.00]	TO 57058	[MOUNDRG3115.00]	CKT 1									

2006 SUMMER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

MULTI-SECTION LINE GROUPINGS				FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
BASE CASE					59468 AUR124 5 161	59480*MON383 5 161 1			154.2	154.2	157.0	100.7 reconductor
59400	[MON376J269.000]	TO 59402	[MON416J269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.4	157.0	101.3 reconductor
59400	[MON376J269.000]	TO 59591	[MON383 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	156.2	157.0	101.7 reconductor
59405	[MON352J269.000]	TO 59591	[MON383 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.4	157.0	101.3 reconductor
59468	[AUR124 5161.00]	TO 59480	[MON383 5161.00]	CKT 1	59480*MON383 5 161	59591 MON383 269.0 1			122.3	156.5	150.0	104.3 increase capacity
59469	[RIV167 5161.00]	TO 59487	[HOC404 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.3	157.0	101.4 reconductor
59469	[RIV167 5161.00]	TO 59498	[STL439 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.9	157.0	101.9 reconductor
59470	[JOP145 5161.00]	TO 59539	[JOP145 269.000]	CKT 1	59483*JOP389 5 161	59592 JOP389 269.0 1			59.5	75.7	75.0	101.0 increase capacity
59472	[TIP292 5161.00]	TO 59483	[JOP389 5161.00]	CKT 1	59483*JOP389 5 161	59592 JOP389 269.0 1			59.5	76.6	75.0	102.1 increase capacity
59474	[OZD312 5161.00]	TO 59482	[HOL387 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.3	157.0	101.4 reconductor
59480	[MON383 5161.00]	TO 59591	[MON383 269.000]	CKT 1	59468*AUR124 5 161	59480 MON383 5 161 1			154.2	205.0	157.0	134.8 reconductor
					59468*AUR124 5 161	59537 AUR124 269.0 3			23.7	45.9	42.0	109.4 increase capacity
59482	[HOL387 5161.00]	TO 59497	[RVS438 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.6	157.0	101.6 reconductor
59483	[JOP389 5161.00]	TO 59498	[STL439 5161.00]	CKT 2	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	153.2	157.0	100.1 reconductor
59483	[JOP389 5161.00]	TO 59607	[JOP422 5161.00]	CKT 1	59483*JOP389 5 161	59592 JOP389 269.0 1			59.5	79.3	75.0	105.7 increase capacity
59488	[BRN412 5161.00]	TO 59495	[GRT433 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	156.8	157.0	102.5 reconductor
59489	[BRN413 5161.00]	TO 59495	[GRT433 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	158.5	157.0	103.6 reconductor
59489	[BRN413 5161.00]	TO 59497	[RVS438 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	161.4	157.0	105.5 reconductor
59532	[CAR108 269.000]	TO 59600	[JAS403T269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	156.5	157.0	102.2 reconductor
59537	[AUR124 269.000]	TO 59540	[MON152 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	157.4	157.0	102.8 reconductor
59540	[MON152 269.000]	TO 59591	[MON383 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	164.5	157.0	107.4 reconductor
59546	[BIL221 269.000]	TO 59580	[REP359 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	153.2	157.0	100.1 reconductor
59548	[BOS249 269.000]	TO 59550	[GLD251 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.9	157.0	101.8 reconductor
59548	[BOS249 269.000]	TO 59600	[JAS403T269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.9	157.0	101.8 reconductor
59550	[GLD251 269.000]	TO 59598	[LKW400 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.4	157.0	101.5 reconductor
59568	[STK324 269.000]	TO 59616	[STK631J269.000]	CKT 1	59545*FRP217 269.0	59635 FRP217 134.5 1			3.0	6.8	6.0	112.7 provide solutions
59568	[STK324 269.000]	TO 59638	[STK324 134.500]	CKT 1	59545*FRP217 269.0	59635 FRP217 134.5 1			3.0	6.6	6.0	109.4 provide solutions
59593	[JOP391 5161.00]	TO 59607	[JOP422 5161.00]	CKT 1	59483*JOP389 5 161	59592 JOP389 269.0 1			59.5	75.8	75.0	101.0 increase capacity
59637	[HUM308 134.500]	TO 59641	[CAP304 134.500]	CKT 1	59545*FRP217 269.0	59635 FRP217 134.5 1			3.0	6.4	6.0	105.9 provide solutions
59638	[STK324 134.500]	TO 59641	[CAP304 134.500]	CKT 1	59545*FRP217 269.0	59635 FRP217 134.5 1			3.0	6.6	6.0	109.6 provide solutions
59471	[NEO184 5161.00]	TO 52686	[NEO SPAS161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	155.8	157.0	101.8 reconductor
59472	[TIP292 5161.00]	TO 52686	[NEO SPAS161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	159.3	157.0	104.2 reconductor
59478	[DAD368 5161.00]	TO 96101	[SMORGAN 161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	188.2	157.0	123.3 reconductor
59479	[LAR382 5161.00]	TO 52688	[CARTHAG5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	159.8	157.0	104.3 reconductor
59479	[LAR382 5161.00]	TO 52692	[SPRGFLD5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161 1			154.2	169.3	157.0	110.8 reconductor

BRANCH OVERLOAD TABLE

X-----	MULTI-SECTION LINE GROUPINGS	----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59481	[MON383 7345.00]	TO	59984	[BRKLN 7345.00]	CKT 1	59468	AUR124 5 161	59480*MON383 5 161 1	154.2	178.4	157.0	116.2 reconductor
59497	[RVS438 5161.00]	TO	52672	[TABLE R5161.00]	CKT 1	59468	AUR124 5 161	59480*MON383 5 161 1	154.2	181.6	157.0	119.2 reconductor
CONTINGENCY SPP-12												
59207	[ARCHIE 5161.00]	TO	59240	[ADRIAN 5161.00]	CKT 1	59468	AUR124 5 161	59480*MON383 5 161 1	154.2	162.0	157.0	106.2 reconductor
59216	[BUTLER 5161.00]	TO	59240	[ADRIAN 5161.00]	CKT 1							
59208	[NEVADA 5161.00]	TO	59216	[BUTLER 5161.00]	CKT 1							
CONTINGENCY SPP-CIRCGD1												
56752	[HOYT 7345.00]	TO	56758	[STRANGR7345.00]	CKT 1	59468	AUR124 5 161	59480*MON383 5 161 1	154.2	155.4	157.0	101.5 reconductor
57043	[CIRCLE 3115.00]	TO	57058	[MOUNDRG3115.00]	CKT 1							
57033	[SPRGCRK3115.00]	TO	57058	[MOUNDRG3115.00]	CKT 1							

2006 SUMMER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2006 WINTER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----	MULTI-SECTION LINE GROUPINGS	----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59225	[PHILL 5161.00]	TO	59280	[PHILL 269.000]	CKT 1	59239*HSNVL	5 161	59295 HSNVL 269.0 1	30.6	52.2	50.0	104.4 Acceptable

2006 WINTER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X-----	MULTI-SECTION LINE GROUPINGS	----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59545	[FRP217 269.000]	TO	59635	[FRP217 134.500]	CKT 1	59568*STK324	269.0	59638 STK324 134.5 1	4.8	9.4	9.0	104.2 provide solutions
59568	[STK324 269.000]	TO	59616	[STK631J269.000]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.8	8.2	5.0	164.1 provide solutions
59568	[STK324 269.000]	TO	59638	[STK324 134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.8	8.2	5.0	163.3 provide solutions
59605	[STK418 269.000]	TO	59614	[SK631CJ269.000]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.8	6.1	5.0	121.5 provide solutions
59635	[FRP217 134.500]	TO	59639	[DUN283 134.500]	CKT 1	59568*STK324	269.0	59638 STK324 134.5 1	4.8	9.4	9.0	104.7 provide solutions
59637	[HUM308 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.8	7.9	5.0	158.9 provide solutions
59638	[STK324 134.500]	TO	59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.8	8.2	5.0	163.5 provide solutions
59605	[STK418 269.000]	TO	96118	[5STKAEC 161.00]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.8	6.1	5.0	122.8 provide solutions

2006 WINTER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2010 SUMMER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

X-----	MULTI-SECTION LINE GROUPINGS	----	X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59202	[SIBLEY 5161.00]	TO	59263	[SIBLEY 269.000]	CKT 1	59262 LIBERTY269.0		59263*SIBLEY 269.0 1	45.7	85.0	78.0	105.7 Generation
59207	[ARCHIE 5161.00]	TO	59239	[HSNVL 5161.00]	CKT 1	59239*HSNVL	5 161	59295 HSNVL 269.0 1	47.2	50.5	50.0	100.9 Acceptable
59207	[ARCHIE 5161.00]	TO	59240	[ADRIAN 5161.00]	CKT 1	59239*HSNVL	5 161	59295 HSNVL 269.0 1	47.2	51.9	50.0	103.9 Acceptable
59208	[NEVADA 5161.00]	TO	59216	[BUTLER 5161.00]	CKT 1	59216*BUTLER_5	161	96689 2BUTLER 69.0 1	38.3	59.4	56.0	106.0 Not Valid
59208	[NEVADA 5161.00]	TO	59308	[NEVADA 269.000]	CKT 1	59208*NEVADA	5 161	59308 NEVADA 269.0 2	36.0	72.8	50.0	145.6 Generation
59208	[NEVADA 5161.00]	TO	59308	[NEVADA 269.000]	CKT 2	59208*NEVADA	5 161	59308 NEVADA 269.0 1	41.0	73.1	50.0	146.2 Generation
59209	[SEDALIA5161.00]	TO	59271	[SEDN 269.000]	CKT 1	59209*SEDALIA5	161	59272 SEDS 269.0 1	34.9	59.8	50.0	119.6 Shift Load-161
						59269 WBURGE	269.0	59270*KNOSTER269.0 1	20.9	35.9	35.0	105.0 Shift Load-161
59209	[SEDALIA5161.00]	TO	59272	[SEDS 269.000]	CKT 1	59209*SEDALIA5	161	59271 SEDN 269.0 1	37.1	61.0	50.0	122.0 Shift Load-161
						59269 WBURGE	269.0	59270*KNOSTER269.0 1	20.9	34.4	35.0	100.6 Shift Load-161
59210	[MARTCTY5161.00]	TO	59287	[MARTCTY269.000]	CKT 1	59239*HSNVL	5 161	59295 HSNVL 269.0 1	47.2	52.8	50.0	105.6 Acceptable
59216	[BUTLER 5161.00]	TO	59240	[ADRIAN 5161.00]	CKT 1	59239*HSNVL	5 161	59295 HSNVL 269.0 1	47.2	51.5	50.0	103.1 Not Valid
59224	[LNGVW 5161.00]	TO	59282	[LNGVW 269.000]	CKT 1	59210*MARTCTY5	161	59287 MARTCTY269.0 1	38.3	59.7	50.0	119.5 Acceptable
						59239*HSNVL	5 161	59295 HSNVL 269.0 1	47.2	54.0	50.0	108.0 Acceptable
59225	[PHILL 5161.00]	TO	59243	[LKWINGB5161.00]	CKT 1	59239*HSNVL	5 161	59295 HSNVL 269.0 1	47.2	50.1	50.0	100.2 Acceptable

Schedule No 7

BRANCH OVERLOAD TABLE

X----- MULTI-SECTION LINE GROUPINGS -----X				FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59225	[PHILL 5161.00]	TO 59280	[PHILL 269.000]	CKT 1	59210*MARTCTY5 161	59287	MARTCTY269.0	1	38.3	50.2	50.0	100.4 Acceptable
					59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	70.5	50.0	140.9 Planned Upgrades
					59284 GRDVWTP269.0	59288*RGAFB 269.0	1	32.8	58.5	53.0	115.0 Upgrade	
					59288 RGAFB 269.0	59289*BELTON 269.0	1	26.8	52.4	53.0	103.5 Upgrade	
59228	[WBURGE 5161.00]	TO 59269	[WBURGE 269.000]	CKT 1	59228*WBURGE 5 161	59269	WBURGE 269.0	2	34.2	54.5	50.0	109.0 Acceptable
59228	[WBURGE 5161.00]	TO 59269	[WBURGE 269.000]	CKT 2	59228*WBURGE 5 161	59269	WBURGE 269.0	1	34.2	54.5	50.0	109.0 Acceptable
59239	[HSNVL 5161.00]	TO 59295	[HSNVL 269.000]	CKT 1	59279 RGREEN 269.0	59297*HSNVLN 269.0	1	19.1	43.2	41.0	113.8 Acceptable	
59242	[CLINTONS161.00]	TO 59303	[CLINTON269.000]	CKT 1	59242*CLINTONS 161	59303	CLINTON269.0	2	42.7	66.9	50.0	133.8 Upgrade
59242	[CLINTONS161.00]	TO 59303	[CLINTON269.000]	CKT 2	59242*CLINTONS 161	59303	CLINTON269.0	1	43.2	67.6	50.0	135.2 Upgrade
59279	[RGREEN 269.000]	TO 59280	[PHILL 269.000]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	53.7	50.0	107.4 Acceptable
59279	[RGREEN 269.000]	TO 59297	[HSNVLN 269.000]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	57.8	50.0	115.5 Acceptable
59280	[PHILL 269.000]	TO 59290	[BELTONS269.000]	CKT 1	59210*MARTCTY5 161	59287	MARTCTY269.0	1	38.3	55.1	50.0	110.1 Upgrade
					59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	52.0	50.0	104.0 Upgrade
					59284 GRDVWTP269.0	59288*RGAFB 269.0	1	32.8	62.2	53.0	127.9 Upgrade	
					59288 RGAFB 269.0	59289*BELTON 269.0	1	26.8	55.7	53.0	115.7 Upgrade	
					59289 BELTON 269.0	59290*BELTONS269.0	1	20.7	49.0	53.0	103.1 Upgrade	
					59292*ANCONDA269.0	59293	HSNVLW 269.0	1	19.3	39.2	32.0	125.9 Upgrade
59282	[INGVW 169.000]	TO 59284	[GRDVWTP269.000]	CKT 1	59210*MARTCTY5 161	59287	MARTCTY269.0	1	38.3	55.2	50.0	110.4 Acceptable
					59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	52.5	50.0	105.1 Acceptable
59284	[GRDVWTP269.000]	TO 59288	[RGAFB 269.000]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	59.5	50.0	119.0 Acceptable
59286	[GRDWST 269.000]	TO 59287	[MARTCTY269.000]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	52.8	50.0	105.6 Acceptable
59288	[RGAFB 269.000]	TO 59289	[BELTON 269.000]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	56.8	50.0	113.7 Acceptable
59289	[BELTON 269.000]	TO 59290	[BELTONS269.000]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	54.1	50.0	108.3 Acceptable
59301	[CLNTPLT269.000]	TO 59304	[URICHTP269.000]	CKT 1	59208*NEVADA 5 161	59308	NEVADA 269.0	1	41.0	52.8	50.0	105.5 Acceptable
59302	[CLNTGRN269.000]	TO 59303	[CLINTON269.000]	CKT 1	59301*CLNTPLT269.0	59303	CLINTON269.0	1	51.7	80.7	78.0	102.4 Upgrade
59304	[URICHTP269.000]	TO 59306	[APCITY 269.000]	CKT 1	59208*NEVADA 5 161	59308	NEVADA 269.0	1	41.0	50.5	50.0	101.1 Acceptable
59307	[NEVPLT 269.000]	TO 59308	[NEVADA 269.000]	CKT 1	59242*CLINTONS 161	59303	CLINTON269.0	1	43.2	56.0	50.0	112.0 Switch
					59242*CLINTONS 161	59303	CLINTON269.0	2	42.7	54.8	50.0	109.7 Switch
					59242*CLINTONS 161	96071	SCLINTN 161.1	1	85.7	110.8	100.0	110.4 Switch
59242	[CLINTONS161.00]	TO 96071	[SCLINTN 161.00]	CKT 1	59208*NEVADA 5 161	59308	NEVADA 269.0	1	41.0	59.4	50.0	118.8 Accept Risk
					59208*NEVADA 5 161	59308	NEVADA 269.0	2	36.0	52.2	50.0	104.4 Accept Risk
					59228*WBURGE 5 161	59269	WBURGE 269.0	1	34.2	54.4	50.0	108.8 Accept Risk
					59228*WBURGE 5 161	59269	WBURGE 269.0	2	34.2	54.4	50.0	108.8 Accept Risk
					59268 WBURGP 269.0	59300*POSTOAK269.0	1	3.1	64.1	46.0	168.6 Accept Risk	
					59300 POSTOAK269.0	59301*CLNTPLT269.0	1	7.2	48.7	46.0	141.6 Accept Risk	
CONTINGENCY SPP-12												
59207	[ARCHIE 5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1	59239*HSNVL 5 161	59295	HSNVL 269.0	1	47.2	51.9	50.0	103.9 Generation
59216	[BUTLER 5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1								
59208	[NEVADA 5161.00]	TO 59216	[BUTLER 5161.00]	CKT 1								

2010 SUMMER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

X----- MULTI-SECTION LINE GROUPINGS -----X				FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
BASE CASE					59468 AUR124 5 161	59480*MON383 5 161	1		165.8	165.8	157.0	109.4 reconductor
					59554*BAX271 269.0	59636 BAX271 134.5	1		9.4	9.4	9.0	104.0 increase capacity
59400	[MON376J269.000]	TO 59402	[MON416J269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	167.1	157.0	110.0 reconductor
59400	[MON376J269.000]	TO 59591	[MON383 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	167.8	157.0	110.3 reconductor
59405	[MON352J269.000]	TO 59591	[MON383 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	167.1	157.0	110.0 reconductor
59425	[HER209 269.000]	TO 59528	[BOL 73 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	164.7	157.0	108.6 reconductor
59431	[WEB105 269.000]	TO 59556	[OAK280 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	166.8	157.0	110.1 reconductor
59464	[BOL 73 5161.00]	TO 59493	[BOL431 5161.00]	CKT 1	59468 AUR124 5 161	59480 MON383 5 161	1		165.8	163.5	157.0	109.5 reconductor
59465	[COL 94 5161.00]	TO 59469	[RIV167 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	163.8	157.0	108.1 reconductor
59468	[AUR124 5161.00]	TO 59480	[MON383 5161.00]	CKT 1	59480*MON383 5 161	59591 MON383 269.0	1		136.7	174.9	150.0	116.6 increase capacity
59468	[AUR124 5161.00]	TO 59537	[AUR124 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383 5 161	1		165.8	162.9	157.0	107.5 reconductor

BRANCH OVERLOAD TABLE

MULTI-SECTION LINE GROUPINGS				FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59468	[AUR124 5161.00]	TO 59537	[AUR124 269.000]	CKT 2	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	162.2	157.0	107.0	reconductor
59468	[AUR124 5161.00]	TO 59537	[AUR124 269.000]	CKT 3	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	156.8	157.0	103.5	reconductor
59469	[RIV167 5161.00]	TO 59487	[HOC404 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	167.9	157.0	110.8	reconductor
59469	[RIV167 5161.00]	TO 59498	[STL439 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	167.8	157.0	110.8	reconductor
59470	[JOP145 5161.00]	TO 59498	[STL439 5161.00]	CKT 1	59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	80.3	75.0	107.0	increase capacity
59470	[JOP145 5161.00]	TO 59539	[JOP145 269.000]	CKT 1	59467 ORO110	5 161 59534*ORO110	269.0 1	55.9	78.8	75.0	105.1	increase capacity
					59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	84.5	75.0	112.7	increase capacity
59472	[TIP292 5161.00]	TO 59480	[MON383 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	157.1	157.0	103.9	reconductor
59472	[TIP292 5161.00]	TO 59483	[JOP389 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	155.8	157.0	103.0	reconductor
					59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	83.3	75.0	111.1	increase capacity
					59500 RNM393	5 161 59595*RNM393	269.0 1	57.9	76.6	75.0	102.2	increase capacity
59475	[BRN331 5161.00]	TO 59488	[BRN412 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.0	157.0	108.2	reconductor
59476	[ASB349 5161.00]	TO 59491	[PUR421 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.1	157.0	108.4	reconductor
59478	[DAD368 5161.00]	TO 59493	[BOL431 5161.00]	CKT 1	59545 FRP217	269.0 59585*DAD368	269.0 1	16.2	45.4	39.0	115.8	reconductor 69kv
					59545*FRP217	269.0 59612 BOL602	269.0 1	12.2	42.2	39.0	110.9	reconductor 69kv
59478	[DAD368 5161.00]	TO 59499	[CPK446 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.4	157.0	108.5	reconductor
59480	[MON383 5161.00]	TO 59481	[MON383 7345.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	154.6	157.0	103.4	reconductor
59480	[MON383 5161.00]	TO 59591	[MON383 269.000]	CKT 1	59468*AUR124	5 161 59480 MON383	5 161 1	165.8	222.3	157.0	148.8	reconductor
					59468*AUR124	5 161 59537 AUR124	269.0 2	13.0	25.5	24.0	106.1	increase capacity
					59468*AUR124	5 161 59537 AUR124	269.0 3	26.3	51.6	42.0	123.0	increase capacity
					59537 AUR124	269.0 59540*MON152	269.0 1	6.1	60.2	65.0	100.9	reconductor 69kv
59482	[HOL387 5161.00]	TO 59497	[RVS438 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	167.1	157.0	110.3	reconductor
59483	[JOP389 5161.00]	TO 59498	[STL439 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	163.9	157.0	108.2	reconductor
59483	[JOP389 5161.00]	TO 59498	[STL439 5161.00]	CKT 2	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.7	157.0	108.7	reconductor
59483	[JOP389 5161.00]	TO 59607	[JOP422 5161.00]	CKT 1	59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	87.2	75.0	116.3	increase capacity
59485	[CAR395 5161.00]	TO 59491	[PUR421 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.4	157.0	108.6	reconductor
59488	[BRN412 5161.00]	TO 59495	[GRT433 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	168.4	157.0	111.2	reconductor
59489	[BRN413 5161.00]	TO 59495	[GRT433 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	170.3	157.0	112.5	reconductor
59489	[BRN413 5161.00]	TO 59497	[RVS438 5161.00]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	173.5	157.0	114.7	reconductor
59499	[CPK446 5161.00]	TO 59618	[CPK446 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	156.3	157.0	103.2	reconductor
59500	[RNM393 5161.00]	TO 59593	[JOP391 5161.00]	CKT 1	59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	77.1	75.0	102.8	increase capacity
59500	[RNM393 5161.00]	TO 59595	[RNM393 269.000]	CKT 1	59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	77.0	75.0	102.6	increase capacity
59532	[CAR108 269.000]	TO 59600	[JAS403T269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	167.9	157.0	110.8	reconductor
59537	[AUR124 269.000]	TO 59540	[MON152 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	168.6	157.0	111.3	reconductor
59537	[AUR124 269.000]	TO 59578	[AUR355 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	162.6	157.0	107.2	reconductor
					59618 CPK446	269.0 96677*2MTVRN	69.0 1	18.1	35.7	36.0	103.4	reconductor 69kv
59537	[AUR124 269.000]	TO 59611	[MAR437 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	162.9	157.0	107.5	reconductor
59538	[DIA131 269.000]	TO 59595	[RNM393 269.000]	CKT 1	59480*MON383	5 161 59591 MON383	269.0 1	136.7	154.1	150.0	102.7	increase capacity
59540	[MON152 269.000]	TO 59591	[MON383 269.000]	CKT 1	59468*AUR124	5 161 59480 MON383	5 161 1	165.8	175.3	157.0	117.0	reconductor
59546	[BIL221 269.000]	TO 59580	[REP359 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.7	157.0	108.7	reconductor
59546	[BIL221 269.000]	TO 59611	[MAR437 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.4	157.0	108.5	reconductor
59548	[BOS249 269.000]	TO 59550	[GLD251 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	167.2	157.0	110.3	reconductor
59548	[BOS249 269.000]	TO 59600	[JAS403T269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	167.2	157.0	110.3	reconductor
59568	[STK324 269.000]	TO 59616	[STK631J269.000]	CKT 1	59545*FRP217	269.0 59635 FRP217	134.5 1	3.2	7.1	6.0	117.9	provide solution
59568	[STK324 269.000]	TO 59638	[STK324 134.500]	CKT 1	59545*FRP217	269.0 59635 FRP217	134.5 1	3.2	7.3	6.0	121.7	provide solution
59570	[OZK330 269.000]	TO 59604	[BHIJ415 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	166.9	157.0	110.2	reconductor
					59474*OZD312	5 161 59562 OZD312	269.0 1	20.9	46.4	42.0	110.4	provided solution
					59562 OZD312	269.0 59603*FOR410	269.0 1	20.7	44.4	45.0	101.8	reconductor 69kv
59577	[MTV351 269.000]	TO 59606	[MTV420 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.4	157.0	108.4	reconductor
59578	[AUR355 269.000]	TO 59606	[MTV420 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	163.9	157.0	108.0	reconductor
59586	[WIL445 269.000]	TO 59691	[WIL369 269.000]	CKT 1	59468 AUR124 5 161	59480*MON383	5 161 1	165.8	164.1	157.0	108.2	reconductor
59593	[JOP391 5161.00]	TO 59607	[JOP422 5161.00]	CKT 1	59483*JOP389	5 161 59592 JOP389	269.0 1	66.1	83.3	75.0	111.1	increase capacity

Schedule No. 7

BRANCH OVERLOAD TABLE

X-----	MULTI-SECTION LINE GROUPINGS	-----X	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
59637	[HUM308 134.500]	TO 59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.2	6.8	6.0	113.8 provide solution
59638	[STK324 134.500]	TO 59641	[CAP304 134.500]	CKT 1	59545*FRP217	269.0	59635 FRP217 134.5 1	3.2	7.0	6.0	117.4 provide solution
59471	[NEO184 5161.00]	TO 52686	[NEO SPA5161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	168.5	157.0	111.3 reconductor
					59483*JOP389	5 161	59592 JOP389 269.0 1	66.1	75.9	75.0	101.2 increase capacity
59472	[TIP292 5161.00]	TO 52686	[NEO SPA5161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	171.9	157.0	113.6 reconductor
					59483*JOP389	5 161	59592 JOP389 269.0 1	66.1	76.7	75.0	102.3 increase capacity
59474	[OZD312 5161.00]	TO 17879	[SOMAHA *161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	164.4	157.0	108.4 reconductor
59478	[DAD368 5161.00]	TO 96101	[SMORGAN 161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	206.8	157.0	137.0 reconductor
59479	[LAR382 5161.00]	TO 52688	[CARTHAG5161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	184.7	157.0	122.3 reconductor
					59479*JAR382	5 161	59480 MON383 5 161 1	221.1	337.7	268.0	127.6 operating guide
59479	[LAR382 5161.00]	TO 52692	[SPRGFLD5161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	184.8	157.0	122.4 reconductor
					59479 LAR382	5 161	59480*MON383 5 161 1	221.1	279.8	268.0	108.6 operating guide
59481	[MON383 7345.00]	TO 53140	[FLINTCR7345.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	159.4	157.0	106.3 reconductor
59481	[MON383 7345.00]	TO 59984	[BRKLINE 7345.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	174.7	157.0	115.1 reconductor
59484	[DEC392 5161.00]	TO 53139	[FLINTCR5161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	163.4	157.0	108.0 reconductor
					59471*NEO184	5 161	52686 NEO SPA5 161 1	109.1	162.4	157.0	109.0 reconductor
59487	[HOC404 5161.00]	TO 54431	[MIAMI 5161.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	166.9	157.0	110.1 reconductor
59497	[RVS438 5161.00]	TO 52672	[TABLE R5161.00]	CKT 1	59468*AUR124	5 161	59480 MON383 5 161 1	165.8	191.6	157.0	129.2 reconductor
CONTINGENCY SPP-07											
53277	[LYDIA 7345.00]	TO 54037	[VALIANT7345.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	158.4	157.0	104.5 reconductor
53277	[LYDIA 7345.00]	TO 53301	[NWTXARK7345.00]	CKT 1							
53277	[LYDIA 7345.00]	TO 53615	[WELSH 7345.00]	CKT 1							
CONTINGENCY SPP-12											
59207	[ARCHIE 5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1	59468*AUR124	5 161	59480 MON383 5 161 1	165.8	172.9	157.0	116.1 reconductor
59216	[BUTLER_5161.00]	TO 59240	[ADRIAN 5161.00]	CKT 1							
59208	[NEVADA 5161.00]	TO 59216	[BUTLER_5161.00]	CKT 1							
CONTINGENCY SPP-28											
51534	[TUCO 7345.00]	TO 54119	[O.K.U.-7345.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	162.2	157.0	107.0 reconductor
51533	[TUCO 6230.00]	TO 51534	[TUCO 7345.00]	CKT 1							
54119	[O.K.U.-7345.00]	TO 54131	[L.B.S.-7345.00]	CKT 1							
54119	[O.K.U.-7345.00]	TO 59991	[OKLAUN 7345.00]	CKT 1							
CONTINGENCY SPP-CIRCGD1											
56752	[HOYT 7345.00]	TO 56758	[STRANGR7345.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	167.1	157.0	110.3 reconductor
57043	[CIRCLE 3115.00]	TO 57058	[MOUNDRG3115.00]	CKT 1							
57033	[SPRGCRK3115.00]	TO 57058	[MOUNDRG3115.00]	CKT 1							
CONTINGENCY SPP-CIRCGD3											
56754	[LANG 7345.00]	TO 56761	[WICHITA7345.00]	CKT 1	59468 AUR124	5 161	59480*MON383 5 161 1	165.8	164.3	157.0	108.4 reconductor
57043	[CIRCLE 3115.00]	TO 57058	[MOUNDRG3115.00]	CKT 1							
57033	[SPRGCRK3115.00]	TO 57058	[MOUNDRG3115.00]	CKT 1							

2010 SUMMER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

V. VOLTAGE REPORTS

VOLTAGE REPORT TABLE

2000 FALL PEAK, MISSOURI PUBLIC SERVICE - AREA 540

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59286 [GRDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0 1.0543	1.0260 LTC
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59306 APCITY 269.0 0.9269	1.0113 SWITCH
	59307 NEVPLT 269.0 0.8808	1.0264 SWITCH
	59311 NEVJCT 269.0 0.8798	1.0256 SWITCH
	59312 LAMAR 269.0 0.8619	1.0107 SWITCH
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADAN113.2 1.0570	1.0287 LTC
	59307 NEVPLT 269.0 1.0543	1.0264 LTC
	59308 NEVADA 269.0 1.0570	1.0287 LTC
	59311 NEVJCT 269.0 1.0536	1.0256 LTC
59309 [METZ 269.000] TO BUS 59310 [3M 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADAN113.2 1.0503	1.0287 LTC
	59308 NEVADA 269.0 1.0503	1.0287 LTC
59242 [CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59302 CLNTGRN269.0 0.9495	1.0205 ACCEPTABLE
CONTINGENCY SPP-12		
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59216 BUTLER_5 161 0.8927	1.0129 ACCEPTABLE
59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1		
59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1		

2000 FALL PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59464 [BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59425 HER209 269.0 0.9261	0.9812 above .90
	59432 BUF243J269.0 0.9333	0.9677 above .90
	59434 BUF409 269.0 0.9213	0.9619 above .90
	59528 BOL 73 269.0 0.9410	0.9951 above .90
	59547 BUF243 269.0 0.9331	0.9676 above .90
	59572 FGC333 269.0 0.9349	0.9679 above .90
	59575 BUF342 269.0 0.9278	0.9681 above .90
	59584 BOL367 269.0 0.9429	0.9882 above .90
	59587 STR370 269.0 0.9494	0.9743 above .90
	59596 FRG397 269.0 0.9477	0.9738 above .90
59478 [DAD368 5161.00] TO BUS 59493 [BOL431 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59612 BOL602 269.0 0.9456	0.9883 above .90
	59425 HER209 269.0 0.9449	0.9812 above .90
	59434 BUF409 269.0 0.9386	0.9619 above .90
59480 [MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59575 BUF342 269.0 0.9450	0.9681 above .90
	59400 MON376J269.0 0.9466	0.9788 above .90
	59401 MON376 269.0 0.9455	0.9777 above .90
	59403 MON416 269.0 0.9417	0.9740 above .90
	59402 MON416J269.0 0.9419	0.9743 above .90
	59404 PUR390 269.0 0.9246	0.9578 above .90
59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59432 BUF243J269.0 0.9294	0.9677 above .90
	59434 BUF409 269.0 0.9119	0.9619 above .90
	59547 BUF243 269.0 0.9292	0.9676 above .90
	59572 FGC333 269.0 0.9324	0.9679 above .90
	59575 BUF342 269.0 0.9184	0.9681 above .90
59535 [NIX114 269.000] TO BUS 59604 [BHX415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59535 NIX114 269.0 0.9383	1.0042 above .90
	59542 NIC170 269.0 0.9490	0.9845 above .90
	59546 BIL221 269.0 0.9442	0.9646 above .90
	59576 REP345 269.0 0.9398	0.9684 above .90
	59580 REP359 269.0 0.9349	0.9599 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0 0.8971	0.9793 capacitor 69kv
	59552 LAW260 269.0 0.9254	0.9850 above .90
	59553 ALB262 269.0 0.8995	0.9815 capacitor 69kv
	59573 HTC338 269.0 0.9099	0.9829 above .90
	59577 MTV351 269.0 0.8906	0.9824 capacitor 69kv
	59578 AUR355 269.0 0.8811	0.9910 capacitor 69kv
	59606 MTV420 269.0 0.8896	0.9830 capacitor 69kv
59537 [AUR124 269.000] TO BUS 59611 [MAR437 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59546 BIL221 269.0 0.8917	0.9646 capacitor 69kv
	59576 REP345 269.0 0.9200	0.9684 above .90
	59580 REP359 269.0 0.8997	0.9599 capacitor 69kv
	59611 MAR437 269.0 0.8822	0.9786 capacitor 69kv
59542 [NIC170 269.000] TO BUS 59576 [REP345 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59546 BIL221 269.0 0.9195	0.9646 above .90
	59576 REP345 269.0 0.9036	0.9684 above .90
	59580 REP359 269.0 0.9037	0.9599 above .90
59545 [FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59635 FRP217 134.5 0.9159	1.0258 above .90
	59637 HUM308 134.5 0.9178	0.9949 above .90
	59639 DUN283 134.5 0.9162	1.0098 above .90
	59640 COL318 134.5 0.9037	0.9818 above .90
59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59580 REP359 269.0 0.9384	0.9599 above .90
59546 [BIL221 269.000] TO BUS 59611 [MAR437 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59546 BIL221 269.0 0.9227	0.9646 above .90
	59576 REP345 269.0 0.9407	0.9684 above .90
	59580 REP359 269.0 0.9254	0.9599 above .90
59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59568 STK324 269.0 0.9474	1.0043 above .90
59570 [OZK330 269.000] TO BUS 59604 [BHIJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59570 OZK330 269.0 0.9202	1.0091 above .90
	59609 OZK434 269.0 0.9231	1.0054 above .90
59576 [REP345 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59546 BIL221 269.0 0.9198	0.9646 above .90
	59580 REP359 269.0 0.9041	0.9599 above .90
59578 [AUR355 269.000] TO BUS 59606 [MTV420 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0 0.9416	0.9793 above .90
	59553 ALB262 269.0 0.9439	0.9815 above .90
	59573 HTC338 269.0 0.9496	0.9829 above .90
	59577 MTV351 269.0 0.9401	0.9824 above .90
	59606 MTV420 269.0 0.9399	0.9830 above .90
59590 [QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59427 COM381 269.0 0.9491	1.0049 above .90
59635 [FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500:	59635 FRP217 134.5 1.0528	1.0258 above .90
	59637 HUM308 134.5 0.9168	0.9949 above .90
	59639 DUN283 134.5 0.9151	1.0098 above .90
	59640 COL318 134.5 0.9027	0.9818 above .90
59637 [HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500:	59635 FRP217 134.5 1.0530	1.0258 above .90
	59639 DUN283 134.5 1.0514	1.0098 above .90
	59637 HUM308 134.5 0.9218	0.9949 above .90
	59640 COL318 134.5 0.9077	0.9818 above .90

2000 FALL PEAK ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

VOLTAGE REPORT TABLE

2000 WINTER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT	
59285	[GRDWCTY269.000]	TO BUS 59286	[GRDWST 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0	1.0501	1.0218 LTC
59286	[GRDWST 269.000]	TO BUS 59287	[MARTCTY269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0	1.0615	1.0218 LTC
59307	[NEVPLT 269.000]	TO BUS 59308	[NEVADA 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59306 APCITY 269.0	0.9148	1.0047 Switch
						59307 NEVPLT 269.0	0.8629	1.0158 Switch
						59311 NEVJCT 269.0	0.8617	1.0150 Switch
						59312 LAMAR 269.0	0.8418	0.9986 Switch
59242	[CLINTON5161.00]	TO BUS 96071	[5CLINTN 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59242 CLINTON5 161	0.9435	1.0335 Acceptable
						59301 CLNTPLT269.0	0.9378	1.0188 Acceptable
						59302 CLNTGRN269.0	0.9370	1.0186 Acceptable
						59303 CLINTON269.0	0.9375	1.0208 Acceptable
						59305 URICH 269.0	0.9495	1.0085 Acceptable
CONTINGENCY SPP-12								
59207	[ARCHIE 5161.00]	TO BUS 59240	[ADRIAN 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59216 BUTLER_5 161	0.9375	1.0158 Acceptable
59216	[BUTLER_5161.00]	TO BUS 59240	[ADRIAN 5161.00]	CKT 1				
59208	[NEVADA 5161.00]	TO BUS 59216	[BUTLER 5161.00]	CKT 1				

2000 WINTER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT	
59464	[BOL 73 5161.00]	TO BUS 59528	[BOL 73 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59425 HER209 269.0	0.8877	0.9848 capacitor 69kv
						59432 BUF243J269.0	0.9019	0.9670 above .90
						59433 STRKAMO269.0	0.9361	0.9784 above .90
						59434 BUF409 269.0	0.8837	0.9589 capacitor 69kv
						59528 BOL 73 269.0	0.9087	1.0034 above .90
						59529 SED 80 269.0	0.9444	0.9872 above .90
						59545 FRP217 269.0	0.9445	0.9963 above .90
						59547 BUF243 269.0	0.9017	0.9668 above .90
						59567 BRT323 269.0	0.9258	0.9925 above .90
						59572 FQC333 269.0	0.9044	0.9673 above .90
						59575 BUP342 269.0	0.8929	0.9673 capacitor 69kv
						59576 REP345 269.0	0.9496	0.9730 above .90
						59580 REP359 269.0	0.9442	0.9650 above .90
						59584 BOL367 269.0	0.9094	0.9900 above .90
						59587 STR370 269.0	0.9257	0.9741 above .90
						59596 FRQ397 269.0	0.9233	0.9740 above .90
						59612 BOL602 269.0	0.9132	0.9893 above .90
						59637 HUM308 134.5	0.9346	0.9707 above .90
						59640 COL318 134.5	0.9182	0.9549 above .90

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT	
59478	[DAD368 5161.00]	TO BUS 59585	[DAD368 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5	0.9425	0.9707 above .90
						59640 COL318 134.5	0.9263	0.9549 above .90
59479	[LAR382 5161.00]	TO BUS 59480	[MON383 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59404 PUR390 269.0	0.9498	0.9711 above .90
59480	[MON383 5161.00]	TO BUS 59591	[MON383 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59400 MON376J269.0	0.9341	0.9919 above .90
						59401 MON376 269.0	0.9331	0.9909 above .90
						59402 MON416J269.0	0.9295	0.9876 above .90
						59403 MON416 269.0	0.9293	0.9873 above .90
						59404 PUR390 269.0	0.9120	0.9711 above .90
						59422 GNB347 269.0	0.9459	0.9701 above .90
						59430 SAR362 269.0	0.9438	0.9809 above .90
						59544 WEN205 269.0	0.9498	0.9908 above .90

59487 [HOC404 5161.00] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59529 [SED 80 269.000] TO BUS 59596 [FRQ397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59537 [AUR124 269.000] TO BUS 59611 [MAR437 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59542 [NIC170 269.000] TO BUS 59576 [REP345 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59544 [WEN205 269.000] TO BUS 59582 [SAR362T269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59544 [WEN205 269.000] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59545 [FRP217 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59420 WEL186 134.5	0.9388	0.9656 above .90
59432 BUF243J269.0	0.9099	0.9670 above .90
59434 BUF409 269.0	0.8853	0.9589 capacitor 69kv
59547 BUF243 269.0	0.9097	0.9668 above .90
59572 FGC333 269.0	0.9138	0.9673 above .90
59575 BUF342 269.0	0.8945	0.9673 capacitor 69kv
59587 STR370 269.0	0.9425	0.9741 above .90
59596 FRQ397 269.0	0.9407	0.9740 above .90
59584 BOL367 269.0	0.9202	0.9900 above .90
59612 BOL602 269.0	0.9237	0.9893 above .90
59637 HUM308 134.5	0.9421	0.9707 above .90
59640 COL318 134.5	0.9259	0.9549 above .90
59432 BUF243J269.0	0.9457	0.9670 above .90
59547 BUF243 269.0	0.9456	0.9668 above .90
59572 FGC333 269.0	0.9449	0.9673 above .90
59587 STR370 269.0	0.9474	0.9741 above .90
59596 FRQ397 269.0	0.9457	0.9740 above .90
59424 RES364 269.0	0.9142	0.9833 above .90
59552 LAW260 269.0	0.9371	0.9877 above .90
59553 ALB262 269.0	0.9154	0.9845 above .90
59573 HTC338 269.0	0.9242	0.9858 above .90
59577 MTV351 269.0	0.9080	0.9852 above .90
59578 AUR355 269.0	0.9007	0.9934 above .90
59606 MTV420 269.0	0.9072	0.9858 above .90
59546 BIL221 269.0	0.8927	0.9679 capacitor 69kv
59576 REP345 269.0	0.9231	0.9730 above .90
59580 REP359 269.0	0.9030	0.9650 above .90
59611 MAR437 269.0	0.8802	0.9799 capacitor 69kv
59422 GNB347 269.0	0.9457	0.9701 above .90
59546 BIL221 269.0	0.9261	0.9679 above .90
59576 REP345 269.0	0.9126	0.9730 above .90
59580 REP359 269.0	0.9129	0.9650 above .90
59524 NEO 56 269.0	0.9422	0.9932 above .90
59563 LIN314 269.0	0.9406	0.9951 above .90
59422 GNB347 269.0	0.9493	0.9701 above .90
59430 SAR362 269.0	0.9487	0.9809 above .90
59422 GNB347 269.0	0.9436	0.9701 above .90
59430 SAR362 269.0	0.9398	0.9809 above .90
59544 WEN205 269.0	0.9450	0.9908 above .90
59582 SAR362T269.0	0.9462	0.9870 above .90
59637 HUM308 134.5	0.9461	0.9707 above .90
59640 COL318 134.5	0.9300	0.9549 above .90

VOLTAGE REPORT TABLE

OUTAGED BRANCH		VOLTAGE RANGE		(X---- BUS ----X)	V-CONT	V-INIT
59545	[FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:		59635 FRP217 134.5	0.8412	1.0195 provide solut.
				59637 HUM308 134.5	0.8435	0.9707 provide solut.
				59639 DUN283 134.5	0.8413	0.9942 provide solut.
				59640 COL318 134.5	0.8252	0.9549 provide solut.
				59641 CAP304 134.5	0.9445	1.0110 above .90
59546	[BIL221 269.000] TO BUS 59611 [MAR437 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59546 BIL221 269.0	0.9337	0.9679 above .90
				59580 REP359 269.0	0.9370	0.9650 above .90
59568	[STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59568 STK324 269.0	0.8998	1.0007 capacitor 69kv
				59637 HUM308 134.5	0.9247	0.9707 above .90
				59638 STK324 134.5	0.9240	1.0332 above .90
				59640 COL318 134.5	0.9087	0.9549 above .90
				59641 CAP304 134.5	0.9239	1.0110 above .90
59568	[STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:		59637 HUM308 134.5	0.9254	0.9707 above .90
				59638 STK324 134.5	0.9248	1.0332 above .90
				59640 COL318 134.5	0.9094	0.9549 above .90
				59641 CAP304 134.5	0.9247	1.0110 above .90
59570	[OZK330 269.000] TO BUS 59604 [BHI415 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59570 OZK330 269.0	0.9107	1.0094 above .90
				59609 OZK434 269.0	0.9141	1.0055 above .90
59572	[FGC333 269.000] TO BUS 59596 [FRG397 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59432 BUF243J269.0	0.9458	0.9670 above .90
				59547 BUF243 269.0	0.9457	0.9668 above .90
				59572 FGC333 269.0	0.9455	0.9673 above .90
59576	[REP345 269.000] TO BUS 59580 [REP359 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59546 BIL221 269.0	0.9263	0.9679 above .90
				59580 REP359 269.0	0.9132	0.9650 above .90
59578	[AUR355 269.000] TO BUS 59606 [MTV420 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59424 RES364 269.0	0.9478	0.9833 above .90
				59553 ALB262 269.0	0.9491	0.9845 above .90
				59577 MTV351 269.0	0.9454	0.9852 above .90
				59606 MTV420 269.0	0.9452	0.9858 above .90
59590	[QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59427 COM381 269.0	0.9407	1.0032 above .90
				59579 COM381T269.0	0.9456	1.0078 above .90
				59590 QUA377 269.0	0.9441	1.0090 above .90
59605	[STK418 269.000] TO BUS 59614 [SK631CJ269.000] CKT 1	VOLTAGE LESS THAN 0.9500:		59568 STK324 269.0	0.9468	1.0007 above .90
				59614 SK631CJ269.0	0.9465	1.0013 above .90
				59616 STK631J269.0	0.9469	1.0009 above .90
				59637 HUM308 134.5	0.9469	0.9707 above .90
				59640 COL318 134.5	0.9310	0.9549 above .90
59635	[FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1	VOLTAGE GREATER THAN 1.0500:		59635 FRP217 134.5	1.0558	1.0195 above .90
		VOLTAGE LESS THAN 0.9500:		59637 HUM308 134.5	0.8425	0.9707 provide solut.
				59639 DUN283 134.5	0.8401	0.9942 provide solut.
				59640 COL318 134.5	0.8241	0.9549 provide solut.
				59641 CAP304 134.5	0.9439	1.0110 above .90
59637	[HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1	VOLTAGE GREATER THAN 1.0500:		59635 FRP217 134.5	1.0557	1.0195 above .90
		VOLTAGE LESS THAN 0.9500:		59639 DUN283 134.5	1.0541	0.9942 above .90
				59637 HUM308 134.5	0.8528	0.9707 provide solut.
				59640 COL318 134.5	0.8346	0.9549 provide solut.
				59641 CAP304 134.5	0.9489	1.0110 above .90
59637	[HUM308 134.500] TO BUS 59641 [CAP304 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:		59637 HUM308 134.5	0.9256	0.9707 above .90
				59640 COL318 134.5	0.9096	0.9549 above .90
59638	[STK324 134.500] TO BUS 59641 [CAP304 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:		59637 HUM308 134.5	0.9238	0.9707 above .90
				59640 COL318 134.5	0.9079	0.9549 above .90
				59641 CAP304 134.5	0.9224	1.0110 above .90

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59497 [RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59474 OZD312 5 161 0.9464	0.9880 above .90
	59475 BRN331 5 161 0.9439	0.9856 above .90
	59482 HOL387 5 161 0.9443	0.9894 above .90
	59488 BRN412 5 161 0.9439	0.9855 above .90
	59489 BRN413 5 161 0.9425	0.9885 above .90
	59492 RDS424 5 161 0.9478	0.9805 above .90
	59495 GRT433 5 161 0.9430	0.9868 above .90
	59497 RVS438 5 161 0.9428	0.9912 above .90
59605 [STK418 269.000] TO BUS 96118 [5STKARC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59568 STK324 269.0 0.9470	1.0007 above .90
	59605 STK418 269.0 0.9466	1.0022 above .90
	59614 SK631CJ269.0 0.9466	1.0013 above .90
	59616 STK631J269.0 0.9471	1.0009 above .90
	59637 HUM308 134.5 0.9470	0.9707 above .90
	59640 COL318 134.5 0.9311	0.9549 above .90

2000 WINTER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2001 APRIL MINIMUM, 540

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
BASE CASE VOLTAGE GREATER THAN 1.0500:	59207 ARCHIE 5 161 1.0556	1.0556 Acceptable
	59208 NEVADA 5 161 1.0522	1.0522 Acceptable
	59209 SEDALIA5 161 1.0575	1.0575 Acceptable
	59210 MARTCTYS 161 1.0501	1.0501 Acceptable
	59216 BUTLER 5 161 1.0548	1.0548 Acceptable
	59217 WINDSR 5 161 1.0652	1.0652 Acceptable
	59234 WAFB 5 161 1.0515	1.0515 Acceptable
	59239 HSNVL 5 161 1.0520	1.0520 Acceptable
	59240 ADRIAN 5 161 1.0552	1.0552 Acceptable
	59241 SEDEAST5 161 1.0602	1.0602 Acceptable
	59242 CLINTON5 161 1.0710	1.0710 Acceptable

2001 APRIL MINIMUM, 544

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59481 [MON383 7345.00] TO BUS 53140 [FLINTCR7345.00] CKT 1 VOLTAGE GREATER THAN 1.0500:	59481 MON383 7 345 1.0658	1.0418 above .90

2001 APRIL MINIMUM, 679

NONE

2001 FALL PEAK, 540

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59306 APCITY 269.0 0.9201	1.0093 Switch
	59307 NEVPLT 269.0 0.8717	1.0214 Switch
	59311 NEVJCT 269.0 0.8707	1.0206 Switch
	59312 LAMAR 269.0 0.8520	1.0051 Switch
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2 1.0536	1.0236 LTC
	59307 NEVPLT 269.0 1.0509	1.0214 LTC
	59308 NEVADA 269.0 1.0536	1.0236 LTC
	59311 NEVJCT 269.0 1.0502	1.0206 LTC
59242 [CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59301 CLNTPLT269.0 0.9459	1.0177 Acceptable
	59302 CLNTGRN269.0 0.9451	1.0176 Acceptable
	59303 CLINTON269.0 0.9456	1.0195 Acceptable

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
CONTINGENCY SPP-12						
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1		VOLTAGE LESS THAN 0.9500:	59216 BUTLER_5 161	0.9416	1.0170 Acceptable
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1					
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1					

2001 FALL PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59464	[BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59425 HER209 269.0	0.9336	0.9839 above .90
				59432 BUF243J269.0	0.9414	0.9731 above .90
				59434 BUF409 269.0	0.9292	0.9665 above .90
				59528 BOL 73 269.0	0.9480	0.9974 above .90
				59547 BUF243 269.0	0.9412	0.9729 above .90
				59572 FGC333 269.0	0.9431	0.9735 above .90
				59575 BUF342 269.0	0.9356	0.9727 above .90
				59584 BOL367 269.0	0.9487	0.9901 above .90
59478	[DAD368 5161.00] TO BUS 59493 [BOL431 5161.00] CKT 1		VOLTAGE LESS THAN 0.9500:	59434 BUF409 269.0	0.9451	0.9665 above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59400 MON376J269.0	0.9297	0.9835 above .90
				59401 MON376 269.0	0.9286	0.9825 above .90
				59402 MON416J269.0	0.9250	0.9791 above .90
				59403 MON416 269.0	0.9247	0.9788 above .90
				59404 PUR390 269.0	0.9076	0.9627 above .90
				59405 MON352J269.0	0.9497	1.0022 above .90
				59406 MON352 269.0	0.9496	1.0022 above .90
				59407 MON311J269.0	0.9491	1.0017 above .90
				59408 MON311 269.0	0.9490	1.0016 above .90
59528	[BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59432 BUF243J269.0	0.9371	0.9731 above .90
				59434 BUF409 269.0	0.9198	0.9665 above .90
				59547 BUF243 269.0	0.9370	0.9729 above .90
				59572 FGC333 269.0	0.9401	0.9735 above .90
				59575 BUF342 269.0	0.9262	0.9727 above .90
59545	[FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1		VOLTAGE LESS THAN 0.9500:	59635 FRP217 134.5	0.9080	1.0295 above .90
				59637 HUM308 134.5	0.9105	0.9949 above .90
				59639 DUN283 134.5	0.9083	1.0113 above .90
				59640 COL318 134.5	0.8964	0.9818 provide solut.
59546	[BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59580 REP359 269.0	0.9369	0.9856 above .90
59568	[STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59568 STK324 269.0	0.9481	1.0002 above .90
59570	[OZK330 269.000] TO BUS 59604 [BHJ415 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59570 OZK330 269.0	0.9181	1.0111 above .90
				59609 OZK434 269.0	0.9211	1.0071 above .90
59590	[QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59427 COM381 269.0	0.9475	1.0048 above .90
59635	[FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1		VOLTAGE GREATER THAN 1.0500:	59635 FRP217 134.5	1.0548	1.0295 above .90
			VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5	0.9095	0.9949 above .90
				59639 DUN283 134.5	0.9072	1.0113 above .90
				59640 COL318 134.5	0.8954	0.9818 above .90
59637	[HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1		VOLTAGE GREATER THAN 1.0500:	59635 FRP217 134.5	1.0548	1.0295 above .90
				59639 DUN283 134.5	1.0526	1.0113 above .90
			VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5	0.9175	0.9949 above .90
				59640 COL318 134.5	0.9034	0.9818 above .90

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE)
 59478 [DAD368 5161.00] TO BUS 96101 [5MORGAN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X---- BUS ----X)	V-CONT	V-INIT
59434 BUF409 269.0	0.9417	0.9665 above .90
59575 BUF342 269.0	0.9481	0.9727 above .90
NONE		

2001 FALL PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

2001 SUMMER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

(OUTAGED BRANCH) (VOLTAGE RANGE)
 59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X---- BUS ----X)	V-CONT	V-INIT
59159 NEVADA#113.2	0.9442	1.0118 Acceptable
59208 NEVADA 5 161	0.9215	0.9800 Acceptable
59216 BUTLER_5 161	0.9172	0.9969 Acceptable
59240 ADRIAN 5 161	0.9159	1.0049 Acceptable
59306 APCITY 269.0	0.9443	0.9932 Acceptable
59307 NEVPLT 269.0	0.9408	1.0080 Acceptable
59308 NEVADA 269.0	0.9442	1.0118 Acceptable
59309 METZ 269.0	0.9214	0.9907 Acceptable
59310 3M 269.0	0.9147	0.9845 Acceptable
59311 NEVJCT 269.0	0.9390	1.0064 Acceptable
59312 LAMAR 269.0	0.9093	0.9790 Acceptable
59208 NEVADA 5 161	0.9388	0.9800 Acceptable
59309 METZ 269.0	0.9418	0.9907 Acceptable
59310 3M 269.0	0.9353	0.9845 Acceptable
59312 LAMAR 269.0	0.9299	0.9790 Acceptable
59310 3M 269.0	0.9461	0.9845 Generation
59312 LAMAR 269.0	0.9406	0.9790 Generation
59276 COLECMP 269.0	0.9366	0.9881 Acceptable
59277 WARSAW 269.0	0.9223	0.9745 Acceptable
59277 WARSAW 269.0	0.9471	0.9745 Shift Load-161
59208 NEVADA 5 161	0.9308	0.9800 Acceptable
59216 BUTLER_5 161	0.9294	0.9969 Acceptable
59309 METZ 269.0	0.9322	0.9907 Acceptable
59310 3M 269.0	0.9256	0.9845 Acceptable
59311 NEVJCT 269.0	0.9495	1.0064 Acceptable
59312 LAMAR 269.0	0.9202	0.9790 Acceptable
59154 RGREEN#313.2	0.9252	1.0090 Generation
59279 RGREEN 269.0	0.9252	1.0090 Generation
59280 PHILL 269.0	0.9246	1.0111 Generation
59288 RGAFB 269.0	0.9367	0.9868 Generation
59289 BELTON 269.0	0.9300	0.9836 Generation
59290 BELTONS 269.0	0.9195	0.9792 Generation
59291 FREEMAN 269.0	0.9342	0.9871 Generation
59290 BELTONS 269.0	0.9487	0.9792 Generation
59291 FREEMAN 269.0	0.9298	0.9871 Generation
59292 ANCONDA 269.0	0.9266	1.0089 Generation
59293 HSNVLW 269.0	0.9265	1.0098 Generation
59294 HSNVLS 269.0	0.9266	1.0122 Generation
59295 HSNVL 269.0	0.9276	1.0162 Generation
59296 HSNVLSW 269.0	0.9286	1.0120 Generation
59297 HSNVLN 269.0	0.9313	1.0063 Generation
59298 GRDNCTY 269.0	0.9259	1.0095 Generation
59299 SNCLRPS 269.0	0.9259	1.0095 Generation

59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59208 [NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59209 [SEDALIA 5161.00] TO BUS 59271 [SEDN 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59209 [SEDALIA 5161.00] TO BUS 59272 [SEDS 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59225 [PHILL 5161.00] TO BUS 59280 [PHILL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59239 [HSNVL 5161.00] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	)	(	VOLTAGE RANGE	)	(X---- BUS ----X)	V-CONT	V-INIT
59260	[RNRDGE 269.000] TO BUS 59261	[STALEY 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59260 RNRDGE 269.0	1.0516	1.0125 LTC	
59279	[RGREEN 269.000] TO BUS 59280	[PHILL 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59154 RGREEN#313.2	0.9412	1.0090 Generation	
					59279 RGREEN 269.0	0.9412	1.0090 Generation	
59280	[PHILL 269.000] TO BUS 59290	[BELTONS269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0	0.9455	0.9868 Acceptable	
					59289 BELTON 269.0	0.9391	0.9836 Acceptable	
					59290 BELTONS269.0	0.9297	0.9792 Acceptable	
59284	[GRDVWTP269.000] TO BUS 59288	[RGAFB 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0	0.9228	0.9868 Generation	
					59289 BELTON 269.0	0.9234	0.9836 Generation	
					59290 BELTONS269.0	0.9255	0.9792 Generation	
					59291 FREEMAN269.0	0.9468	0.9871 Generation	
59285	[GRDWCTY269.000] TO BUS 59286	[GRDWST 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59286 GRDWST 269.0	1.0531	1.0088 LTC	
					59287 MARTCTY269.0	1.0560	1.0160 LTC	
59286	[GRDWST 269.000] TO BUS 59287	[MARTCTY269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0	1.0755	1.0160 LTC	
59288	[RGAFB 269.000] TO BUS 59289	[BELTON 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59289 BELTON 269.0	0.9340	0.9836 Acceptable	
					59290 BELTONS269.0	0.9351	0.9792 Acceptable	
59289	[BELTON 269.000] TO BUS 59290	[BELTONS269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59290 BELTONS269.0	0.9438	0.9792 Acceptable	
59293	[HSNVLW 269.000] TO BUS 59294	[HSNVLS 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0	0.9460	0.9871 Acceptable	
					59292 ANCONDA269.0	0.9413	1.0089 Acceptable	
					59293 HSNVLW 269.0	0.9411	1.0098 Acceptable	
59294	[HSNVLS 269.000] TO BUS 59295	[HSNVL 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0	0.9317	0.9871 Acceptable	
					59292 ANCONDA269.0	0.9187	1.0089 Acceptable	
					59293 HSNVLW 269.0	0.9182	1.0098 Acceptable	
					59294 HSNVLS 269.0	0.9174	1.0122 Acceptable	
59307	[NEVPLT 269.000] TO BUS 59308	[NEVADA 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59304 URICHTP269.0	0.8716	1.0018 Switches	
					59305 URICH 269.0	0.8686	0.9992 Switches	
					59306 APCITY 269.0	0.7779	0.9932 Switches	
					59307 NEVPLT 269.0	0.6570	1.0080 Switches	
					59311 NEVJCT 269.0	0.6543	1.0064 Switches	
					59312 LAMAR 269.0	0.6113	0.9790 Switches	
59308	[NEVADA 269.000] TO BUS 59309	[METZ 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2	1.0745	1.0118 LTC	
					59307 NEVPLT 269.0	1.0699	1.0080 LTC	
					59308 NEVADA 269.0	1.0745	1.0118 LTC	
					59311 NEVJCT 269.0	1.0685	1.0064 LTC	
59309	[METZ 269.000] TO BUS 59310	[3M 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2	1.0604	1.0118 LTC	
					59307 NEVPLT 269.0	1.0560	1.0080 LTC	
					59308 NEVADA 269.0	1.0604	1.0118 LTC	
					59309 METZ 269.0	1.0552	0.9907 LTC	
					59311 NEVJCT 269.0	1.0546	1.0064 LTC	
59242	[CLINTON5161.00] TO BUS 96071	[5CLINTN 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59242 CLINTON5 161	0.8363	1.0221 Accept Risk	
					59300 POSTOAK269.0	0.9033	1.0102 Accept Risk	
					59301 CLNTPLT269.0	0.8524	1.0165 Accept Risk	
					59302 CLNTGRN269.0	0.8509	1.0164 Accept Risk	
					59303 CLINTON269.0	0.8519	1.0201 Accept Risk	
					59304 URICHTP269.0	0.8755	1.0018 Accept Risk	
					59305 URICH 269.0	0.8726	0.9992 Accept Risk	
					59306 APCITY 269.0	0.9042	0.9932 Accept Risk	
					59312 LAMAR 269.0	0.9461	0.9790 Accept Risk	

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
CONTINGENCY SPP-12						
59207	[ARCHIB 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59208 NEVADA 5 161	0.9292	0.9800	Acceptable
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1		59216 BUTLER_5 161	0.9106	0.9969	Acceptable
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1		59307 NEVPLT 269.0	0.9496	1.0080	Acceptable
			59309 METZ 269.0	0.9305	0.9907	Acceptable
			59310 3M 269.0	0.9239	0.9845	Acceptable
			59311 NEVJCT 269.0	0.9479	1.0064	Acceptable
			59312 LAMAR 269.0	0.9184	0.9790	Acceptable
2001 SUMMER PEAK, 544						
(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
BASE CASE						
		VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5	0.9412	0.9412	above .90
			59417 CHE299 134.5	0.9382	0.9382	above .90
			59418 CHE300 134.5	0.9407	0.9407	above .90
			59419 TWN388 134.5	0.9399	0.9399	above .90
			59420 WEL186 134.5	0.9182	0.9182	above .90
59433	[STRKAMO269.000] TO BUS 59604 [BHZ415 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59433 STRKAMO269.0	0.9462	0.9685	above .90
59436	[CUPTAP 269.000] TO BUS 59585 [DAD368 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59436 CUPTAP 269.0	0.9464	0.9967	above .90
			59437 CUPSUB 269.0	0.9458	0.9961	above .90
59464	[BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59425 HER209 269.0	0.8959	0.9720	capacitor 69kv
			59432 BUF243J269.0	0.9109	0.9602	above .90
			59433 STRKAMO269.0	0.9372	0.9685	above .90
			59434 BUF409 269.0	0.8961	0.9535	capacitor 69kv
			59528 BOL 73 269.0	0.9170	0.9913	above .90
			59529 SED 80 269.0	0.9449	0.9762	above .90
			59545 FRP217 269.0	0.9461	0.9855	above .90
			59547 BUF243 269.0	0.9107	0.9600	above .90
			59567 BRT323 269.0	0.9301	0.9811	above .90
			59572 FGC333 269.0	0.9130	0.9605	above .90
			59575 BUF342 269.0	0.9037	0.9606	above .90
			59584 BOL367 269.0	0.9189	0.9814	above .90
			59587 STR370 269.0	0.9289	0.9648	above .90
			59596 FRG397 269.0	0.9273	0.9649	above .90
			59612 BOL602 269.0	0.9217	0.9806	above .90
			59637 HUM308 134.5	0.9432	0.9699	above .90
			59640 COL318 134.5	0.9255	0.9526	above .90
			59691 WIL369 269.0	0.9483	0.9722	above .90
59478	[DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59436 CUPTAP 269.0	0.9500	0.9967	above .90
			59437 CUPSUB 269.0	0.9494	0.9961	above .90
			59637 HUM308 134.5	0.9467	0.9699	above .90
			59640 COL318 134.5	0.9292	0.9526	above .90
			59691 WIL369 269.0	0.9498	0.9722	above .90
59479	[LAR382 5161.00] TO BUS 59480 [MON383 5161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59404 PUR390 269.0	0.9351	0.9645	above .90
			59468 AUR124 5 161	0.9480	0.9692	above .90
			59480 MON383 5 161	0.9351	0.9644	above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59400 MON376J269.0	0.9388	0.9916	above .90
			59401 MON376 269.0	0.9376	0.9905	above .90
			59402 MON416J269.0	0.9331	0.9863	above .90
			59403 MON416 269.0	0.9328	0.9860	above .90
			59404 PUR390 269.0	0.9097	0.9645	above .90

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59487 [HOC404 5161.00] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5 0.9072	0.9412 above .90
	59417 CHE299 134.5 0.9042	0.9382 above .90
	59418 CHE300 134.5 0.9067	0.9407 above .90
	59419 TWN388 134.5 0.9059	0.9399 above .90
	59420 WEL186 134.5 0.8837	0.9182 provide solut.
59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59432 BUP243J269.0 0.9142	0.9602 above .90
	59433 STRKAMO269.0 0.9471	0.9685 above .90
	59434 BUF409 269.0 0.8939	0.9535 capacitor 69kv
	59547 BUF243 269.0 0.9140	0.9600 above .90
	59572 FGC333 269.0 0.9176	0.9605 above .90
	59575 BUF342 269.0 0.9015	0.9606 above .90
	59587 STR370 269.0 0.9398	0.9648 above .90
	59596 FRG397 269.0 0.9386	0.9649 above .90
59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59584 BOL367 269.0 0.9315	0.9814 above .90
	59612 BOL602 269.0 0.9337	0.9806 above .90
	59637 HUM308 134.5 0.9497	0.9699 above .90
	59640 COL318 134.5 0.9322	0.9526 above .90
59529 [SED 80 269.000] TO BUS 59596 [FRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59587 STR370 269.0 0.9425	0.9648 above .90
	59596 FRG397 269.0 0.9413	0.9649 above .90
59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59577 MTV351 269.0 0.9440	0.9792 above .90
	59578 AUR355 269.0 0.9343	0.9906 above .90
	59606 MTV420 269.0 0.9429	0.9800 above .90
59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59422 GNB347 269.0 0.9451	0.9807 above .90
59541 [RIV167 269.000] TO BUS 59602 [RIV406 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59420 WEL186 134.5 0.8979	0.9182 provide solut.
59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59524 NEO 56 269.0 0.9326	0.9835 above .90
	59563 LIN314 269.0 0.9308	0.9852 above .90
59545 [FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59635 FRP217 134.5 0.8579	1.0129 provide solut.
	59637 HUM308 134.5 0.8605	0.9699 provide solut.
	59639 DUN283 134.5 0.8585	0.9908 provide solut.
	59640 COL318 134.5 0.8419	0.9526 provide solut.
59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59641 CAP304 134.5 0.9413	0.9998 above .90
	59576 REP345 269.0 0.9260	0.9724 above .90
59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59580 REP359 269.0 0.9097	0.9681 above .90
	59568 STK324 269.0 0.9141	0.9837 above .90
	59637 HUM308 134.5 0.9395	0.9699 above .90
	59638 STK324 134.5 0.9386	1.0162 above .90
	59640 COL318 134.5 0.9221	0.9526 above .90
59568 [STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59641 CAP304 134.5 0.9385	0.9998 above .90
	59637 HUM308 134.5 0.9400	0.9699 above .90
	59638 STK324 134.5 0.9392	1.0162 above .90
	59640 COL318 134.5 0.9226	0.9526 above .90
	59641 CAP304 134.5 0.9390	0.9998 above .90
59570 [OZK330 269.000] TO BUS 59604 [BHK3415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59570 OZK330 269.0 0.8844	0.9978 provide solut.
59590 [QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59609 OZK434 269.0 0.8893	0.9946 provide solut.
	59427 COM381 269.0 0.9111	0.9919 above .90
	59579 COM381T269.0 0.9193	0.9993 above .90
	59590 QUA377 269.0 0.9173	1.0009 above .90

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59605 [STK418 269.000] TO BUS 59614 [SK631CJ269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59549 ARC250 269.0 0.9367	0.9803 above .90
	59550 GLD251 269.0 0.9486	0.9730 above .90
	59568 STK324 269.0 0.9302	0.9837 above .90
	59598 LKW400 269.0 0.9437	0.9735 above .90
	59613 GRN614 269.0 0.9434	0.9762 above .90
	59614 SK631CJ269.0 0.9297	0.9842 above .90
	59616 STK631J269.0 0.9303	0.9838 above .90
	59637 HUM308 134.5 0.9446	0.9699 above .90
	59640 COL318 134.5 0.9271	0.9526 above .90
59635 [PRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.8596	0.9699 provide solut.
	59639 DUN283 134.5 0.8575	0.9908 provide solut.
	59640 COL318 134.5 0.8410	0.9526 provide solut.
	59641 CAP304 134.5 0.9407	0.9998 above .90
59637 [HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.8654	0.9699 provide solut.
	59640 COL318 134.5 0.8468	0.9526 provide solut.
	59641 CAP304 134.5 0.9434	0.9998 above .90
59637 [HUM308 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9400	0.9699 above .90
	59640 COL318 134.5 0.9226	0.9526 above .90
59638 [STK324 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9384	0.9699 above .90
	59640 COL318 134.5 0.9210	0.9526 above .90
	59641 CAP304 134.5 0.9369	0.9998 above .90
59478 [DAD368 5161.00] TO BUS 96101 [5MORGAN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59478 DAD368 5 161 0.9496	0.9705 above .90
59497 [RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59473 RDS295 5 161 0.9346	0.9666 above .90
	59474 OZD312 5 161 0.9319	0.9755 above .90
	59475 BRN331 5 161 0.9295	0.9732 above .90
	59482 HOL387 5 161 0.9301	0.9776 above .90
	59488 BRN412 5 161 0.9294	0.9731 above .90
	59489 BRN413 5 161 0.9284	0.9770 above .90
	59492 RDS424 5 161 0.9324	0.9665 above .90
	59495 GRT433 5 161 0.9287	0.9749 above .90
	59497 RVS438 5 161 0.9287	0.9800 above .90
59605 [STK418 269.000] TO BUS 96118 [5STKARC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59549 ARC250 269.0 0.9369	0.9803 above .90
	59550 GLD251 269.0 0.9486	0.9730 above .90
	59568 STK324 269.0 0.9304	0.9837 above .90
	59598 LKW400 269.0 0.9438	0.9735 above .90
	59605 STK418 269.0 0.9299	0.9851 above .90
	59613 GRN614 269.0 0.9435	0.9762 above .90
	59614 SK631CJ269.0 0.9299	0.9842 above .90
	59616 STK631J269.0 0.9304	0.9838 above .90
	59637 HUM308 134.5 0.9447	0.9699 above .90
	59640 COL318 134.5 0.9272	0.9526 above .90

2001 SUMMER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2001 SPRING PEAK, MISSOURI PUBLIC SERVICE - AREA 540

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59306 APCITY 269.0 0.9094	1.0017 Switch
	59307 NEVPLT 269.0 0.8550	1.0108 Switch
	59311 NEVJCT 269.0 0.8538	1.0099 Switch
	59312 LAMAR 269.0 0.8330	0.9928 Switch

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)
 59242 [CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

V-CONT	V-INIT
59242 CLINTON5 161 0.9386	1.0336 Acceptable
59301 CLNTPLT269.0 0.9329	1.0182 Acceptable
59302 CLNTGRN269.0 0.9320	1.0180 Acceptable
59303 CLINTON269.0 0.9326	1.0203 Acceptable
59304 URICHTP269.0 0.9458	1.0081 Acceptable
59305 URICH 269.0 0.9441	1.0065 Acceptable

CONTINGENCY SPP-12

59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:
 59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1
 59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1

59216 BUTLER_5 161 0.9279	1.0082 Acceptable
---------------------------	-------------------

2001 SPRING PEAK -EMPIRE DISTRICT ELECTRIC - AREA 544

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)
 59464 [BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

V-CONT	V-INIT
59425 HER209 269.0 0.9399	0.9877 above .90
59432 BUF243J269.0 0.9473	0.9769 above .90
59434 BUF409 269.0 0.9384	0.9733 above .90
59547 BUF243 269.0 0.9471	0.9768 above .90
59572 FQC333 269.0 0.9487	0.9770 above .90
59575 BUF342 269.0 0.9429	0.9777 above .90
59400 MON376J269.0 0.9486	0.9830 above .90
59401 MON376 269.0 0.9476	0.9821 above .90
59402 MON416J269.0 0.9442	0.9788 above .90
59403 MON416 269.0 0.9439	0.9785 above .90
59404 PUR390 269.0 0.9262	0.9617 above .90
59432 BUF243J269.0 0.9460	0.9769 above .90
59434 BUF409 269.0 0.9328	0.9733 above .90
59547 BUF243 269.0 0.9459	0.9768 above .90
59572 FQC333 269.0 0.9485	0.9770 above .90
59575 BUF342 269.0 0.9374	0.9777 above .90
59580 REP359 269.0 0.9446	0.9647 above .90
59424 RES364 269.0 0.8976	0.9787 capacitor 69kv
59552 LAW260 269.0 0.9259	0.9845 above .90
59553 ALB262 269.0 0.9006	0.9814 above .90
59573 HTC338 269.0 0.9109	0.9827 above .90
59577 MTV351 269.0 0.8918	0.9823 capacitor 69kv
59578 AUR355 269.0 0.8830	0.9916 capacitor 69kv
59606 MTV420 269.0 0.8907	0.9829 capacitor 69kv
59546 BIL221 269.0 0.8999	0.9682 capacitor 69kv
59576 REP345 269.0 0.9277	0.9731 above .90
59580 REP359 269.0 0.9083	0.9647 above .90
59611 MAR437 269.0 0.8894	0.9800 capacitor 69kv
59422 GNB347 269.0 0.9493	0.9731 above .90
59546 BIL221 269.0 0.9245	0.9682 above .90
59576 REP345 269.0 0.9100	0.9731 above .90
59580 REP359 269.0 0.9102	0.9647 above .90
59524 NEO 56 269.0 0.9442	0.9941 above .90
59563 LIN314 269.0 0.9427	0.9959 above .90
59640 COL318 134.5 0.9434	1.0003 above .90
59546 BIL221 269.0 0.9333	0.9682 above .90
59580 REP359 269.0 0.9361	0.9647 above .90
59570 OZK330 269.0 0.9151	1.0129 above .90
59609 OZK434 269.0 0.9186	1.0089 above .90

59480 [MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59535 [NIX114 269.000] TO BUS 59604 [BHIJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59537 [AUR124 269.000] TO BUS 59611 [MAR437 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:
 59542 [NIC170 269.000] TO BUS 59576 [REP345 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59545 [PRP217 269.000] TO BUS 59635 [PRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:
 59546 [BIL221 269.000] TO BUS 59611 [MAR437 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59570 [OZK330 269.000] TO BUS 59604 [BHIJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59576	[REP345 269.000] TO BUS 59580 [REP359 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59546 BIL221 269.0	0.9247	0.9682 above .90	
			59580 REP359 269.0	0.9105	0.9647 above .90	
59577	[MTV351 269.000] TO BUS 59606 [MTV420 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0	0.9493	0.9787 above .90	
			59577 MTV351 269.0	0.9492	0.9823 above .90	
59578	[AUR355 269.000] TO BUS 59606 [MTV420 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0	0.9386	0.9787 above .90	
			59553 ALB262 269.0	0.9414	0.9814 above .90	
			59573 HTC338 269.0	0.9473	0.9827 above .90	
			59577 MTV351 269.0	0.9373	0.9823 above .90	
			59606 MTV420 269.0	0.9371	0.9829 above .90	
59590	[QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59427 COM381 269.0	0.9475	1.0017 above .90	
59635	[FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1	VOLTAGE GREATER THAN 1.0500:	59635 FRP217 134.5	1.0545	1.0329 above .90	
		VOLTAGE LESS THAN 0.9500:	59640 COL318 134.5	0.9424	1.0003 above .90	
59637	[HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1	VOLTAGE GREATER THAN 1.0500	59635 FRP217 134.5	1.0548	1.0329 above .90	
			59639 DUN283 134.5	1.0532	1.0205 above .90	
			59640 COL318 134.5	0.9467	1.0003 above .90	
59478	[DAD368 5161.00] TO BUS 96101 [5MORGAN 161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59434 BUF409 269.0	0.9492	0.9733 above .90	

2001 SPRING PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2001 WINTER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59286	[GRDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1	VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0	1.0542	1.0214 LTC	
59307	[NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59306 APCITY 269.0	0.9119	1.0074 Switch	
			59307 NEVPLT 269.0	0.8578	1.0160 Switch	
			59311 NEVJCT 269.0	0.8567	1.0151 Switch	
			59312 LAMAR 269.0	0.8359	0.9981 Switch	
59308	[NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1	VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2	1.0501	1.0183 LTC	
			59308 NEVADA 269.0	1.0501	1.0183 LTC	
59242	[CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59242 CLINTON5 161	0.9270	1.0298 Acceptable	
			59301 CLNTPLT269.0	0.9300	1.0199 Acceptable	
			59302 CLNTGRN269.0	0.9292	1.0198 Acceptable	
			59303 CLINTON269.0	0.9297	1.0221 Acceptable	
			59304 URICHTP269.0	0.9445	1.0120 Acceptable	
			59305 URICH 269.0	0.9427	1.0104 Acceptable	
CONTINGENCY SPP-12						
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59216 BUTLER_5 161	0.9340	1.0170 Acceptable	
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1					
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER 5161.00] CKT 1					

VOLTAGE REPORT TABLE

2001 WINTER PEAK - EMPIRE DISTRICT ELECTRIC - AREA 544

(OUTAGED BRANCH) (VOLTAGE RANGE)		(X---- BUS ----X)	V-CONT	V-INIT
59464 [BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59425 HER209 269.0	0.8878	0.9804 capacitor 69kv
		59432 BUF243J269.0	0.9032	0.9650 above .90
		59433 STRKAMO269.0	0.9365	0.9761 above .90
		59434 BUF409 269.0	0.8847	0.9562 capacitor 69kv
		59528 BOL 73 269.0	0.9088	0.9992 above .90
		59529 SED 80 269.0	0.9478	0.9871 above .90
		59545 FRP217 269.0	0.9429	0.9918 above .90
		59547 BUF243 269.0	0.9030	0.9648 above .90
		59567 BRT323 269.0	0.9275	0.9905 above .90
		59572 FGC333 269.0	0.9057	0.9656 above .90
		59575 BUF342 269.0	0.8939	0.9647 capacitor 69kv
		59584 BOL367 269.0	0.9085	0.9851 above .90
		59587 STR370 269.0	0.9269	0.9723 above .90
		59596 FRG397 269.0	0.9248	0.9724 above .90
		59612 BOL602 269.0	0.9121	0.9844 above .90
		59637 HUM308 134.5	0.9336	0.9667 above .90
		59640 COL318 134.5	0.9172	0.9509 above .90
59478 [DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59637 HUM308 134.5	0.9424	0.9667 above .90
		59640 COL318 134.5	0.9261	0.9509 above .90
59479 [LAR382 5161.00] TO BUS 59480 [MON383 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:		59404 PUR390 269.0	0.9450	0.9676 above .90
59480 [MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59400 MON376J269.0	0.9360	0.9887 above .90
		59401 MON376 269.0	0.9349	0.9877 above .90
		59402 MON416J269.0	0.9313	0.9843 above .90
		59403 MON416 269.0	0.9310	0.9841 above .90
		59404 PUR390 269.0	0.9133	0.9676 above .90
59487 [HOC404 5161.00] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59420 WEL186 134.5	0.9372	0.9640 above .90
59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59432 BUF243J269.0	0.9096	0.9650 above .90
		59434 BUF409 269.0	0.8851	0.9562 capacitor 69kv
		59547 BUF243 269.0	0.9095	0.9648 above .90
		59572 FGC333 269.0	0.9136	0.9656 above .90
		59575 BUF342 269.0	0.8943	0.9647 capacitor 69kv
		59587 STR370 269.0	0.9421	0.9723 above .90
		59596 FRG397 269.0	0.9406	0.9724 above .90
59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59545 FRP217 269.0	0.9454	0.9918 above .90
		59584 BOL367 269.0	0.9106	0.9851 above .90
		59612 BOL602 269.0	0.9143	0.9844 above .90
		59637 HUM308 134.5	0.9358	0.9667 above .90
		59640 COL318 134.5	0.9197	0.9509 above .90
59529 [SED 80 269.000] TO BUS 59596 [FRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59432 BUF243J269.0	0.9415	0.9650 above .90
		59547 BUF243 269.0	0.9413	0.9648 above .90
		59572 FGC333 269.0	0.9407	0.9656 above .90
		59587 STR370 269.0	0.9431	0.9723 above .90
		59596 FRG397 269.0	0.9415	0.9724 above .90
59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59421 GNB347J269.0	0.9493	0.9924 above .90
		59422 GNB347 269.0	0.9409	0.9841 above .90
		59423 DIA242 269.0	0.9488	0.9918 above .90
59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59524 NEO 56 269.0	0.9463	0.9923 above .90
		59563 LIN314 269.0	0.9447	0.9941 above .90
59545 [FRP217 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		59637 HUM308 134.5	0.9412	0.9667 above .90
		59640 COL318 134.5	0.9250	0.9509 above .90

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	)	(X---- BUS ----X)	V-CONT	V-INIT
59545	[FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:				59635 FRP217 134.5	0.8330	1.0176 provide solut.
					59637 HUM308 134.5	0.8353	0.9667 provide solut.
					59639 DUN283 134.5	0.8331	0.9913 provide solut.
					59640 COL318 134.5	0.8169	0.9509 provide solut.
					59641 CAP304 134.5	0.9370	1.0049 above .90
59546	[BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59580 REP359 269.0	0.9463	0.9809 above .90
59568	[STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59568 STK324 269.0	0.8933	0.9952 capacitor 69kv
					59637 HUM308 134.5	0.9181	0.9667 above .90
					59638 STK324 134.5	0.9173	1.0259 above .90
					59640 COL318 134.5	0.9020	0.9509 above .90
					59641 CAP304 134.5	0.9171	1.0049 above .90
59568	[STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:				59637 HUM308 134.5	0.9187	0.9667 above .90
					59638 STK324 134.5	0.9181	1.0259 above .90
					59640 COL318 134.5	0.9026	0.9509 above .90
					59641 CAP304 134.5	0.9179	1.0049 above .90
59570	[OZK330 269.000] TO BUS 59604 [8HJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59570 OZK330 269.0	0.9026	1.0046 above .90
					59609 OZK434 269.0	0.9061	1.0008 above .90
59572	[FGC333 269.000] TO BUS 59596 [PRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59432 BUF243J269.0	0.9410	0.9650 above .90
					59547 BUF243 269.0	0.9409	0.9648 above .90
					59572 FGC333 269.0	0.9407	0.9656 above .90
59590	[QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59427 COM381 269.0	0.9358	1.0024 above .90
					59579 COM381T269.0	0.9408	1.0069 above .90
					59590 QUA377 269.0	0.9392	1.0083 above .90
59605	[STK418 269.000] TO BUS 59614 [8K631CJ269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59549 ARC250 269.0	0.9424	0.9907 above .90
					59568 STK324 269.0	0.9352	0.9952 above .90
					59613 GRN614 269.0	0.9497	0.9853 above .90
					59614 SK631CJ269.0	0.9348	0.9959 above .90
					59616 STK631J269.0	0.9353	0.9954 above .90
					59637 HUM308 134.5	0.9358	0.9667 above .90
					59640 COL318 134.5	0.9195	0.9509 above .90
59635	[FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:				59635 FRP217 134.5	1.0504	1.0176 above .90
					59637 HUM308 134.5	0.8343	0.9667 provide solut.
					59639 DUN283 134.5	0.8319	0.9913 provide solut.
					59640 COL318 134.5	0.8159	0.9509 provide solut.
					59641 CAP304 134.5	0.9364	1.0049 above .90
59637	[HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:				59635 FRP217 134.5	1.0504	1.0176 above .90
					59637 HUM308 134.5	0.8448	0.9667 provide solut.
					59640 COL318 134.5	0.8265	0.9509 provide solut.
					59641 CAP304 134.5	0.9415	1.0049 above .90
59637	[HUM308 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:				59637 HUM308 134.5	0.9191	0.9667 above .90
					59640 COL318 134.5	0.9031	0.9509 above .90
59638	[STK324 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:				59637 HUM308 134.5	0.9172	0.9667 above .90
					59640 COL318 134.5	0.9011	0.9509 above .90
					59641 CAP304 134.5	0.9157	1.0049 above .90
59497	[RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:				59473 RDS295 5 161	0.9477	0.9771 above .90
					59474 OZD312 5 161	0.9444	0.9846 above .90
					59475 BRN331 5 161	0.9417	0.9819 above .90
					59482 HOL387 5 161	0.9423	0.9860 above .90
					59488 BRN412 5 161	0.9416	0.9818 above .90
					59489 BRN413 5 161	0.9403	0.9849 above .90
					59492 RDS424 5 161	0.9453	0.9767 above .90
					59495 QRT433 5 161	0.9407	0.9831 above .90
					59497 RVS438 5 161	0.9406	0.9877 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE)
 59605 [STK418 269.000] TO BUS 96118 [5STKAEC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X--- BUS ---X)	V-CONT	V-INIT
59549 ARC250 269.0	0.9425	0.9907 above .90
59568 STK324 269.0	0.9354	0.9952 above .90
59605 STK418 269.0	0.9350	0.9970 above .90
59613 GRN614 269.0	0.9498	0.9853 above .90
59614 SK631CJ269.0	0.9350	0.9959 above .90
59616 STK631J269.0	0.9355	0.9954 above .90
59637 HUM308 134.5	0.9360	0.9667 above .90
59640 COL318 134.5	0.9196	0.9509 above .90

2001 WINTER PEAK, ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2004 SUMMER PEAK, MISSOURI PUBLIC SERVICE - AREA 540

(OUTAGED BRANCH) (VOLTAGE RANGE)
 59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X--- BUS ---X)	V-CONT	V-INIT
59159 NEVADA#113.2	0.9346	1.0152 Generation
59208 NEVADA 5 161	0.8984	0.9695 Generation
59216 BUTLER_5 161	0.8921	0.9887 Generation
59240 ADRIAN 5 161	0.8905	0.9987 Generation
59256 KAMOTP 269.0	0.8812	0.9664 Generation
59257 ELDRDO 269.0	0.8792	0.9646 Generation
59258 WALKER 269.0	0.8998	0.9834 Generation
59259 DEDRCK 269.0	0.8887	0.9733 Generation
59307 NEVPLT 269.0	0.9320	1.0115 Generation
59308 NEVADA 269.0	0.9346	1.0152 Generation
59309 METZ 269.0	0.9091	0.9919 Generation
59310 3M 269.0	0.9017	0.9851 Generation
59311 NEVJCT 269.0	0.9300	1.0098 Generation
59312 LAMAR 269.0	0.8970	0.9796 Generation
59208 NEVADA 5 161	0.9203	0.9695 Acceptable
59256 KAMOTP 269.0	0.9068	0.9664 Acceptable
59257 ELDRDO 269.0	0.9049	0.9646 Acceptable
59258 WALKER 269.0	0.9250	0.9834 Acceptable
59259 DEDRCK 269.0	0.9142	0.9733 Acceptable
59309 METZ 269.0	0.9341	0.9919 Acceptable
59310 3M 269.0	0.9269	0.9851 Acceptable
59312 LAMAR 269.0	0.9220	0.9796 Acceptable
59256 KAMOTP 269.0	0.9243	0.9664 Acceptable
59257 ELDRDO 269.0	0.9224	0.9646 Acceptable
59258 WALKER 269.0	0.9421	0.9834 Acceptable
59259 DEDRCK 269.0	0.9315	0.9733 Acceptable
59310 3M 269.0	0.9439	0.9851 Acceptable
59312 LAMAR 269.0	0.9389	0.9796 Acceptable
59256 KAMOTP 269.0	0.9349	0.9664 Acceptable
59257 ELDRDO 269.0	0.9330	0.9646 Acceptable
59259 DEDRCK 269.0	0.9420	0.9733 Acceptable
59312 LAMAR 269.0	0.9492	0.9796 Acceptable
59277 WARSAW 269.0	0.9359	0.9875 Acceptable

59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59208 [NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59208 [NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 2 VOLTAGE LESS THAN 0.9500:

59209 [SEDALIA5161.00] TO BUS 59271 [SEDN 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59159 NEVADA#113.2	0.9464	1.0152 Generation
				59208 NEVADA 5 161	0.9089	0.9695 Generation
				59216 BUTLER_5 161	0.9061	0.9887 Generation
				59256 KAMOTP 269.0	0.8937	0.9664 Generation
				59257 ELDRDO 269.0	0.8917	0.9646 Generation
				59258 WALKER 269.0	0.9121	0.9834 Generation
				59259 DEDRCK 269.0	0.9011	0.9733 Generation
				59307 NEVPLT 269.0	0.9436	1.0115 Generation
				59308 NEVADA 269.0	0.9464	1.0152 Generation
				59309 METZ 269.0	0.9212	0.9919 Generation
				59310 3M 269.0	0.9140	0.9851 Generation
				59311 NEVJCT 269.0	0.9417	1.0098 Generation
				59312 LAMAR 269.0	0.9091	0.9796 Generation
59239	[HSNVL 5161.00] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59291 FREEMAN269.0	0.9339	0.9893 Acceptable
				59292 ANCONDA269.0	0.9330	1.0035 Acceptable
				59293 HSNVLW 269.0	0.9331	1.0046 Acceptable
				59294 HSNVLS 269.0	0.9334	1.0073 Acceptable
				59295 HSNVL 269.0	0.9348	1.0119 Acceptable
				59296 HSNVLSW269.0	0.9360	1.0082 Acceptable
				59297 HSNVLN 269.0	0.9395	1.0040 Acceptable
				59298 GRDNCTY269.0	0.9331	1.0055 Acceptable
				59299 SNCLRPS269.0	0.9331	1.0055 Acceptable
59280	[PHILL 269.000] TO BUS 59290 [BELTONS269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59288 RGAFB 269.0	0.9361	0.9863 Upgrade
				59289 BELTON 269.0	0.9292	0.9831 Upgrade
				59290 BELTONS269.0	0.9191	0.9792 Upgrade
59284	[GRDVWTP269.000] TO BUS 59288 [RGAFB 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59288 RGAFB 269.0	0.9304	0.9863 Acceptable
				59289 BELTON 269.0	0.9310	0.9831 Acceptable
				59290 BELTONS269.0	0.9333	0.9792 Acceptable
59285	[GRDWCTY269.000] TO BUS 59286 [GRDWST 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59286 GRDWST 269.0	1.0559	1.0069 LTC
				59287 MARTCTY269.0	1.0591	1.0141 LTC
59286	[GRDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59287 MARTCTY269.0	1.0808	1.0141 LTC
59288	[RGAFB 269.000] TO BUS 59289 [BELTON 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59289 BELTON 269.0	0.9410	0.9831 Acceptable
				59290 BELTONS269.0	0.9421	0.9792 Acceptable
59292	[ANCONDA269.000] TO BUS 59293 [HSNVLW 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59292 ANCONDA269.0	0.9499	1.0035 Acceptable
59293	[HSNVLW 269.000] TO BUS 59294 [HSNVLS 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59291 FREEMAN269.0	0.9430	0.9893 Acceptable
				59292 ANCONDA269.0	0.9400	1.0035 Acceptable
				59293 HSNVLW 269.0	0.9398	1.0046 Acceptable
59294	[HSNVLS 269.000] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59291 FREEMAN269.0	0.9280	0.9893 Acceptable
				59292 ANCONDA269.0	0.9199	1.0035 Acceptable
				59293 HSNVLW 269.0	0.9194	1.0046 Acceptable
				59294 HSNVLS 269.0	0.9186	1.0073 Acceptable
59307	[NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59159 NEVADA#113.2	1.0550	1.0152 Switch
				59308 NEVADA 269.0	1.0550	1.0152 Switch
			VOLTAGE LESS THAN 0.9500:	59304 URICHTP269.0	0.9233	1.0087 Switch
				59305 URICH 269.0	0.9203	1.0059 Switch
				59306 APCITY 269.0	0.8723	1.0044 Switch
				59307 NEVPLT 269.0	0.7770	1.0115 Switch
				59311 NEVJCT 269.0	0.7745	1.0098 Switch
				59312 LAMAR 269.0	0.7336	0.9796 Switch
59308	[NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59159 NEVADA#113.2	1.0826	1.0152 LTC
				59307 NEVPLT 269.0	1.0777	1.0115 LTC
				59308 NEVADA 269.0	1.0826	1.0152 LTC
				59311 NEVJCT 269.0	1.0761	1.0098 LTC

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59309	[METZ 269.000] TO BUS 59310 [3M 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159	NEVADA#113.2	1.0682	1.0152 LTC	
		59258	WALKER 269.0	1.0548	0.9834 LTC	
		59307	NEVPLT 269.0	1.0636	1.0115 LTC	
		59308	NEVADA 269.0	1.0682	1.0152 LTC	
		59309	METZ 269.0	1.0626	0.9919 LTC	
		59311	NEVJCT 269.0	1.0619	1.0098 LTC	
59242	[CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59242	CLINTON5 161	0.8158	1.0197 Accept Risk	
		59256	KAMOTP 269.0	0.9163	0.9664 Accept Risk	
		59257	ELDRDO 269.0	0.9144	0.9646 Accept Risk	
		59258	WALKER 269.0	0.9343	0.9834 Accept Risk	
		59259	DEDRCK 269.0	0.9236	0.9733 Accept Risk	
		59300	POSTOAK269.0	0.8950	1.0125 Accept Risk	
		59301	CLNTPLT269.0	0.8392	1.0167 Accept Risk	
		59302	CLNTGRN269.0	0.8375	1.0167 Accept Risk	
		59303	CLINTON269.0	0.8386	1.0208 Accept Risk	
		59304	URICHTP269.0	0.8591	1.0087 Accept Risk	
		59305	URICH 269.0	0.8559	1.0059 Accept Risk	
		59306	APCITY 269.0	0.8821	1.0044 Accept Risk	
		59309	METZ 269.0	0.9433	0.9919 Accept Risk	
		59310	3M 269.0	0.9362	0.9851 Accept Risk	
		59312	LAMAR 269.0	0.9263	0.9796 Accept Risk	
CONTINGENCY BPP-12						
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59159	NEVADA#113.2	0.9460	1.0152 Generation	
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1	59208	NEVADA 5 161	0.9091	0.9695 Generation	
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1	59216	BUTLER_5 161	0.8829	0.9887 Generation	
		59256	KAMOTP 269.0	0.8931	0.9664 Generation	
		59257	ELDRDO 269.0	0.8911	0.9646 Generation	
		59258	WALKER 269.0	0.9115	0.9834 Generation	
		59259	DEDRCK 269.0	0.9005	0.9733 Generation	
		59307	NEVPLT 269.0	0.9432	1.0115 Generation	
		59308	NEVADA 269.0	0.9460	1.0152 Generation	
		59309	METZ 269.0	0.9208	0.9919 Generation	
		59310	3M 269.0	0.9134	0.9851 Generation	
		59311	NEVJCT 269.0	0.9413	1.0098 Generation	
		59312	LAMAR 269.0	0.9086	0.9796 Generation	

2004 SUMMER PEAK EMPIRE DISTRICT ELECTRIC - AREA 544

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X--- BUS ---X)	V-CONT	V-INIT
BASE CASE			VOLTAGE LESS THAN 0.9500:	59404 PUR390 269.0	0.9497	0.9497 above .90
				59416 CHE299T134.5	0.9192	0.9192 above .90
				59417 CHE299 134.5	0.9156	0.9156 above .90
				59418 CHE300 134.5	0.9186	0.9186 above .90
				59419 TWN388 134.5	0.9176	0.9176 above .90
				59420 WEL186 134.5	0.8936	0.8936 provide solut.
				59640 COL318 134.5	0.9496	0.9496 above .90
59433 [STRKAMO269.000] TO BUS 59604 [BHJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59433 STRKAMO269.0	0.9462	0.9679 above .90
59436 [CUPTAP 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59436 CUPTAP 269.0	0.9442	0.9997 above .90
				59437 CUPSUB 269.0	0.9436	0.9992 above .90
				59598 LKW400 269.0	0.9482	0.9727 above .90
				59613 GRN614 269.0	0.9490	0.9765 above .90

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X--- BUS ---X)	V-CONT	V-INIT	
59464	[BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59425 HER209 269.0	0.8790	0.9808	capacitor 69kv
				59432 BUF243J269.0	0.8968	0.9639	capacitor 69kv
				59433 STRKAMO269.0	0.9248	0.9679	above .90
				59434 BUF409 269.0	0.8804	0.9581	capacitor 69kv
				59528 BOL 73 269.0	0.9035	1.0023	above .90
				59529 SED 80 269.0	0.9347	0.9775	above .90
				59545 FRP217 269.0	0.9377	0.9910	above .90
				59547 BUF243 269.0	0.8966	0.9637	capacitor 69kv
				59567 BRT323 269.0	0.9180	0.9867	above .90
				59572 FGC333 269.0	0.8991	0.9640	capacitor 69kv
				59575 BUF342 269.0	0.8887	0.9657	capacitor 69kv
				59584 BOL367 269.0	0.9059	0.9895	above .90
				59586 WIL445 269.0	0.9416	0.9743	above .90
				59587 STR370 269.0	0.9160	0.9654	above .90
				59596 FRG397 269.0	0.9146	0.9663	above .90
				59612 BOL602 269.0	0.9089	0.9878	above .90
				59637 HUM308 134.5	0.9325	0.9684	above .90
				59639 DUN283 134.5	0.9473	0.9910	above .90
				59640 COL318 134.5	0.9129	0.9496	above .90
				59691 WIL369 269.0	0.9393	0.9721	above .90
59478	[DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59436 CUPTAP 269.0	0.9492	0.9997	above .90
				59437 CUPSUB 269.0	0.9487	0.9992	above .90
				59536 ASH121 269.0	0.9491	0.9792	above .90
				59637 HUM308 134.5	0.9427	0.9684	above .90
				59640 COL318 134.5	0.9236	0.9496	above .90
				59691 WIL369 269.0	0.9478	0.9721	above .90
59479	[LAR382 5161.00] TO BUS 59480 [MON383 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59400 MON376J269.0	0.9460	0.9794	above .90
				59401 MON376 269.0	0.9447	0.9781	above .90
				59402 MON416J269.0	0.9400	0.9736	above .90
				59403 MON416 269.0	0.9397	0.9733	above .90
				59404 PUR390 269.0	0.9153	0.9497	above .90
				59468 AUR124 5 161	0.9427	0.9673	above .90
				59480 MON383 5 161	0.9311	0.9646	above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59400 MON376J269.0	0.9182	0.9794	above .90
				59401 MON376 269.0	0.9169	0.9781	above .90
				59402 MON416J269.0	0.9120	0.9736	above .90
				59403 MON416 269.0	0.9116	0.9733	above .90
				59404 PUR390 269.0	0.8864	0.9497	capacitor 69kv
				59405 MON352J269.0	0.9415	1.0009	above .90
				59406 MON352 269.0	0.9413	1.0008	above .90
				59407 MON311J269.0	0.9401	0.9997	above .90
				59408 MON311 269.0	0.9400	0.9996	above .90
				59430 SAR362 269.0	0.9462	0.9810	above .90
				59540 MON152 269.0	0.9465	1.0013	above .90
				59544 WEN205 269.0	0.9497	0.9899	above .90
				59591 MON383 269.0	0.9458	1.0051	above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59487 [HOC404 5161.00] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59409 SCAM66 269.0 0.9465	0.9790 above .90
	59410 COL282T269.0 0.9475	0.9800 above .90
	59411 COL282 269.0 0.9412	0.9739 above .90
	59412 SEK225T269.0 0.9456	0.9782 above .90
	59413 SEK225 269.0 0.9454	0.9781 above .90
	59414 SMN425 269.0 0.9442	0.9768 above .90
	59415 SHR444 269.0 0.9444	0.9770 above .90
	59416 CHE299T134.5 0.8719	0.9192 provide solut.
	59417 CHE299 134.5 0.8682	0.9156 provide solut.
	59418 CHE300 134.5 0.8713	0.9186 provide solut.
	59419 TWN388 134.5 0.8703	0.9176 provide solut.
	59420 WEL186 134.5 0.8450	0.8936 provide solut.
	59427 COM381 269.0 0.9435	0.9870 above .90
59488 [BRN412 5161.00] TO BUS 59492 [RDS424 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59473 RDS295 5 161 0.9378	0.9602 above .90
	59492 RDS424 5 161 0.9353	0.9596 above .90
59524 [NEO 56 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59524 NEO 56 269.0 0.9468	0.9790 above .90
59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59432 BUP243J269.0 0.9071	0.9639 above .90
	59433 STRKAMO269.0 0.9413	0.9679 above .90
	59434 BUP409 269.0 0.8848	0.9581 capacitor 69kv
	59547 BUF243 269.0 0.9070	0.9637 above .90
	59572 FGC333 269.0 0.9108	0.9640 above .90
	59575 BUP342 269.0 0.8931	0.9657 capacitor 69kv
	59587 STR370 269.0 0.9344	0.9654 above .90
	59596 FRG397 269.0 0.9336	0.9663 above .90
59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59545 FRP217 269.0 0.9497	0.9910 above .90
	59584 BOL367 269.0 0.9231	0.9895 above .90
	59612 BOL602 269.0 0.9253	0.9878 above .90
	59637 HUM308 134.5 0.9412	0.9684 above .90
	59640 COL318 134.5 0.9221	0.9496 above .90
59529 [SED 80 269.000] TO BUS 59596 [FRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59587 STR370 269.0 0.9429	0.9654 above .90
	59596 FRG397 269.0 0.9425	0.9663 above .90
59532 [CAR108 269.000] TO BUS 59533 [ATL109 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59532 CAR108 269.0 0.9493	0.9782 above .90
	59599 JAS403 269.0 0.9486	0.9728 above .90
	59600 JAS403T269.0 0.9492	0.9734 above .90
59536 [ASH121 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59536 ASH121 269.0 0.9488	0.9792 above .90
	59691 WIL369 269.0 0.9484	0.9721 above .90
59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0 0.9474	0.9710 above .90
	59577 MTV351 269.0 0.9381	0.9718 above .90
	59578 AUR355 269.0 0.9277	0.9806 above .90
	59606 MTV420 269.0 0.9369	0.9723 above .90
59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59421 GNB347J269.0 0.9328	0.9818 above .90
	59422 GNB347 269.0 0.9217	0.9709 above .90
	59423 DIA242 269.0 0.9322	0.9812 above .90
	59430 SAR362 269.0 0.9487	0.9810 above .90
	59538 DIA131 269.0 0.9377	0.9865 above .90
59541 [RIV167 269.000] TO BUS 59602 [RIV406 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5 0.8982	0.9192 provide solut.
	59417 CHE299 134.5 0.8946	0.9156 provide solut.
	59418 CHE300 134.5 0.8976	0.9186 provide solut.
	59419 TWN388 134.5 0.8967	0.9176 provide solut.
	59420 WEL186 134.5 0.8721	0.8936 provide solut.
59543 [NEO184 269.000] TO BUS 59560 [ROC296 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59560 ROC296 269.0 0.9494	0.9790 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59426 SEN375 269.0 0.9385	0.9699 above .90
	59524 NEO 56 269.0 0.9161	0.9790 above .90
	59563 LIN314 269.0 0.9142	0.9815 above .90
59545 [PRP217 269.000] TO BUS 59635 [PRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59635 PRP217 134.5 0.8511	1.0148 capacitor 69kv
	59637 HUM308 134.5 0.8524	0.9684 capacitor 69kv
	59639 DUN283 134.5 0.8511	0.9910 capacitor 69kv
	59640 COL318 134.5 0.8307	0.9496 capacitor 69kv
	59641 CAP304 134.5 0.9396	1.0010 above .90
59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59576 REP345 269.0 0.9180	0.9684 above .90
	59580 REP359 269.0 0.8996	0.9628 capacitor 69kv
59554 [BAX271 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5 0.8863	0.9192 capacitor 69kv
	59417 CHE299 134.5 0.8827	0.9156 capacitor 69kv
	59418 CHE300 134.5 0.8857	0.9186 capacitor 69kv
	59419 TWN388 134.5 0.8848	0.9176 capacitor 69kv
	59420 WEL186 134.5 0.8599	0.8936 capacitor 69kv
59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59568 STK324 269.0 0.9076	0.9848 above .90
	59637 HUM308 134.5 0.9336	0.9684 above .90
	59638 STK324 134.5 0.9320	1.0189 above .90
	59640 COL318 134.5 0.9144	0.9496 above .90
	59641 CAP304 134.5 0.9318	1.0010 above .90
59568 [STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9386	0.9684 above .90
	59638 STK324 134.5 0.9380	1.0189 above .90
	59640 COL318 134.5 0.9197	0.9496 above .90
	59641 CAP304 134.5 0.9379	1.0010 above .90
59570 [OZK330 269.000] TO BUS 59604 [BHI415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59570 OZK330 269.0 0.8825	0.9955 capacitor 69kv
	59609 OZK434 269.0 0.8875	0.9925 capacitor 69kv
59589 [RAC375 269.000] TO BUS 59592 [JOP389 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59426 SEN375 269.0 0.9448	0.9699 above .90
59590 [QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59427 COM381 269.0 0.9055	0.9870 above .90
	59579 COM381T269.0 0.9141	0.9949 above .90
	59590 QUA377 269.0 0.9118	0.9963 above .90
59598 [LKW400 269.000] TO BUS 59613 [GRN614 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59550 GLD251 269.0 0.9456	0.9708 above .90
	59598 LKW400 269.0 0.9410	0.9727 above .90
59605 [STK418 269.000] TO BUS 59614 [SK631CJ269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59548 BOS249 269.0 0.9489	0.9719 above .90
	59549 ARC250 269.0 0.9275	0.9809 above .90
	59550 GLD251 269.0 0.9406	0.9708 above .90
	59568 STK324 269.0 0.9197	0.9848 above .90
	59598 LKW400 269.0 0.9358	0.9727 above .90
	59613 GRN614 269.0 0.9357	0.9765 above .90
	59614 SK631CJ269.0 0.9191	0.9853 above .90
	59616 STK631J269.0 0.9198	0.9849 above .90
	59637 HUM308 134.5 0.9372	0.9684 above .90
	59640 COL318 134.5 0.9177	0.9496 above .90
	59641 CAP304 134.5 0.9462	1.0010 above .90
59635 [PRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.8512	0.9684 capacitor 69kv
	59639 DUN283 134.5 0.8496	0.9910 capacitor 69kv
	59640 COL318 134.5 0.8295	0.9496 capacitor 69kv
	59641 CAP304 134.5 0.9391	1.0010 above .90
59637 [HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.8574	0.9684 capacitor 69kv
	59640 COL318 134.5 0.8357	0.9496 capacitor 69kv
	59641 CAP304 134.5 0.9420	1.0010 above .90
59637 [HUM308 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9385	0.9684 above .90
	59640 COL318 134.5 0.9196	0.9496 above .90
59638 [STK324 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9370	0.9684 above .90
	59640 COL318 134.5 0.9181	0.9496 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE)	(X---- BUS ----X)	V-CONT	V-INIT
59484 [DEC392 5161.00] TO BUS 53139 [FLINTCR5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59428 SWC414 269.0	0.9483	0.9843 above .90
	59569 DEC326 269.0	0.9484	1.0015 above .90
	59594 DEC392 269.0	0.9498	1.0041 above .90
	59617 GRA700 269.0	0.9477	0.9963 above .90
59497 [RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59473 RDS295 5 161	0.9267	0.9602 above .90
	59474 OZD312 5 161	0.9226	0.9687 above .90
	59475 BRN331 5 161	0.9203	0.9664 above .90
	59482 HOL387 5 161	0.9207	0.9710 above .90
	59488 BRN412 5 161	0.9202	0.9663 above .90
	59489 BRN413 5 161	0.9190	0.9704 above .90
	59492 RDS424 5 161	0.9237	0.9596 above .90
	59495 GRT433 5 161	0.9194	0.9681 above .90
	59497 RVS438 5 161	0.9193	0.9736 above .90
	59648 OZD312 14.60	0.9462	0.9915 above .90
	59641 CAP304 134.5	0.9356	1.0010 above .90
59605 [STK418 269.000] TO BUS 96118 [59TKARC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59548 BOS249 269.0	0.9490	0.9719 above .90
	59549 ARC250 269.0	0.9286	0.9809 above .90
	59550 GLD251 269.0	0.9409	0.9708 above .90
	59568 STK324 269.0	0.9211	0.9848 above .90
	59598 LKW400 269.0	0.9364	0.9727 above .90
	59605 STK418 269.0	0.9205	0.9864 above .90
	59613 GRN614 269.0	0.9365	0.9765 above .90
	59614 SK631CJ269.0	0.9205	0.9853 above .90
	59616 STK631J269.0	0.9211	0.9849 above .90
	59637 HUM308 134.5	0.9388	0.9684 above .90
	59640 COL318 134.5	0.9198	0.9496 above .90
	59641 CAP304 134.5	0.9482	1.0010 above .90
CONTINGENCY SPP-12			
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5	0.9471	0.9684 above .90
59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1	59640 COL318 134.5	0.9278	0.9496 above .90
59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1			
2004 SUMMER PEAK - ST. JOSEPH LIGHT AND POWER - AREA 679		NONE	
69703 [ST JOE 5161.00] TO BUS 69708 [WOODBIN5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	69704 EAST 5 161	0.9494	0.9989 Acceptable
	69708 WOODBIN5 161	0.9492	1.0029 Acceptable
2004 WINTER PEAK - MISSOURI PUBLIC SERVICE - AREA 540			
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59256 KAMOTP 269.0	0.9499	0.9943 Acceptable
	59257 ELDRDO 269.0	0.9487	0.9931 Acceptable
59212 [KCI 5161.00] TO BUS 59213 [FRLVW 5161.00] CKT 1 VOLTAGE GREATER THAN 1.0500:	59213 FRLVW 5 161	1.0654	1.0365 Cap Bank Off
59212 [KCI 5161.00] TO BUS 59221 [PLTCTY 5161.00] CKT 1 VOLTAGE GREATER THAN 1.0500:	59212 KCI 5 161	1.0624	1.0329 Cap Bank Off
	59213 FRLVW 5 161	1.0629	1.0365 Cap Bank Off
	59287 MARTCTY269.0	1.0621	1.0194 LTC
59286 [GRDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59306 APCITY 269.0	0.9477	1.0142 Switch
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59307 NEVPLT 269.0	0.8999	1.0222 Switch
	59311 NEVJCT 269.0	0.8987	1.0212 Switch
	59312 LAMAR 269.0	0.8770	1.0025 Switch
	59159 NEVADA#113.2	1.0574	1.0246 LTC
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59307 NEVPLT 269.0	1.0543	1.0222 LTC
	59308 NEVADA 269.0	1.0574	1.0246 LTC
	59311 NEVJCT 269.0	1.0533	1.0212 LTC

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
59309	[METZ 269.000] TO BUS 59310 [3M 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59159	NEVADA#113.2	1.0502	1.0246 LTC
				59308	NEVADA 269.0	1.0502	1.0246 LTC
59242	[CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59242	CLINTON5 161	0.9238	1.0287 Acceptable
				59301	CLNTPLT269.0	0.9268	1.0170 Acceptable
				59302	CLNTGRN269.0	0.9258	1.0169 Acceptable
				59303	CLINTON269.0	0.9265	1.0194 Acceptable
				59304	URICHTP269.0	0.9401	1.0147 Acceptable
				59305	URICH 269.0	0.9382	1.0130 Acceptable
CONTINGENCY SPP-12							
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59216	BUTLER_5 161	0.9239	1.0122 Acceptable
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00]	CKT 1					
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00]	CKT 1					

2004 WINTER PEAK -EMPIRE DISTRICT ELECTRIC - AREA 544

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
	BASE CASE		VOLTAGE LESS THAN 0.9500:	59420	WEL186 134.5	0.9458	0.9458 above .90
				59640	COL318 134.5	0.9498	0.9498 above .90
59464	[BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59425	HER209 269.0	0.8771	0.9958 capacitor 69kv
				59432	BUF243J269.0	0.8952	0.9755 capacitor 69kv
				59433	STRKAMO269.0	0.9308	0.9826 above .90
				59434	BUF409 269.0	0.8758	0.9683 capacitor 69kv
				59528	BOL 73 269.0	0.8988	1.0145 capacitor 69kv
				59529	SED 80 269.0	0.9423	0.9936 above .90
				59545	FRP217 269.0	0.9346	0.9980 above .90
				59547	BUF243 269.0	0.8950	0.9754 capacitor 69kv
				59567	BRT323 269.0	0.9195	1.0007 above .90
				59572	PGC333 269.0	0.8979	0.9760 capacitor 69kv
				59575	BUF342 269.0	0.8851	0.9767 capacitor 69kv
				59584	BOL367 269.0	0.8971	0.9957 capacitor 69kv
				59587	STR370 269.0	0.9205	0.9798 above .90
				59596	PRG397 269.0	0.9181	0.9803 above .90
				59612	BOL602 269.0	0.9008	0.9940 above .90
				59637	HUM308 134.5	0.9235	0.9663 above .90
				59639	DUN283 134.5	0.9413	0.9928 above .90
59478	[DAD368 5161.00] TO BUS 59585 [DAD368 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59640	COL318 134.5	0.9061	0.9498 above .90
				59637	HUM308 134.5	0.9426	0.9663 above .90
59479	[LAR382 5161.00] TO BUS 59480 [MON383 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59640	COL318 134.5	0.9256	0.9498 above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59404	PUR390 269.0	0.9434	0.9688 above .90
				59400	MON376J269.0	0.9300	0.9907 above .90
				59401	MON376 269.0	0.9288	0.9896 above .90
				59402	MON416J269.0	0.9251	0.9861 above .90
				59403	MON416 269.0	0.9248	0.9859 above .90
				59404	PUR390 269.0	0.9065	0.9688 above .90
				59407	MON311J269.0	0.9494	1.0087 above .90
				59408	MON311 269.0	0.9493	1.0086 above .90
59487	[HOC404 5161.00] TO BUS 59601 [HOC404 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59416	CHE299T134.5	0.9378	0.9628 above .90
				59417	CHE299 134.5	0.9355	0.9605 above .90
				59418	CHE300 134.5	0.9375	0.9625 above .90
				59419	TWN388 134.5	0.9369	0.9619 above .90
				59420	WEL186 134.5	0.9205	0.9458 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59432 BUF243J269.0 0.9139	0.9755 above .90
	59434 BUF409 269.0 0.8893	0.9683 capacitor 69kv
	59547 BUF243 269.0 0.9137	0.9754 above .90
	59572 FGC333 269.0 0.9178	0.9760 above .90
	59575 BUF342 269.0 0.8985	0.9767 capacitor 69kv
	59587 STR370 269.0 0.9461	0.9798 above .90
	59596 FRG397 269.0 0.9448	0.9803 above .90
59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59545 FRP217 269.0 0.9349	0.9980 above .90
	59584 BOL367 269.0 0.8941	0.9957 capacitor 69kv
	59612 BOL602 269.0 0.8984	0.9940 capacitor 69kv
	59637 HUM308 134.5 0.9241	0.9663 above .90
	59639 DUN283 134.5 0.9422	0.9928 above .90
	59640 COL318 134.5 0.9067	0.9498 above .90
59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59421 GNB347J269.0 0.9470	0.9908 above .90
	59422 GNB347 269.0 0.9377	0.9816 above .90
	59423 DIA242 269.0 0.9464	0.9903 above .90
59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59524 NEO 56 269.0 0.9328	0.9871 above .90
	59563 LIN314 269.0 0.9311	0.9896 above .90
59545 [FRP217 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9440	0.9663 above .90
	59640 COL318 134.5 0.9270	0.9498 above .90
59545 [FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59635 FRP217 134.5 0.8191	1.0210 provide solut.
	59637 HUM308 134.5 0.8212	0.9663 provide solut.
	59639 DUN283 134.5 0.8190	0.9928 provide solut.
	59640 COL318 134.5 0.8014	0.9498 provide solut.
59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59641 CAP304 134.5 0.9297	1.0053 above .90
59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59580 REP359 269.0 0.9469	0.9829 above .90
	59568 STK324 269.0 0.8948	0.9946 capacitor 69kv
	59637 HUM308 134.5 0.9195	0.9663 above .90
	59638 STK324 134.5 0.9188	1.0267 above .90
	59640 COL318 134.5 0.9027	0.9498 above .90
59568 [STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59641 CAP304 134.5 0.9187	1.0053 above .90
	59637 HUM308 134.5 0.9202	0.9663 above .90
	59638 STK324 134.5 0.9197	1.0267 above .90
	59640 COL318 134.5 0.9034	0.9498 above .90
	59641 CAP304 134.5 0.9195	1.0053 above .90
59570 [OZK330 269.000] TO BUS 59604 [BHJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59570 OZK330 269.0 0.8940	1.0072 provide solut.
	59609 OZK434 269.0 0.8979	1.0031 provide solut.
59590 [QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59427 COM381 269.0 0.9329	0.9949 above .90
	59579 COM381T269.0 0.9379	0.9996 above .90
	59590 QUA377 269.0 0.9361	1.0006 above .90
59605 [STK418 269.000] TO BUS 59614 [SK631CJ269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59549 ARC250 269.0 0.9295	0.9888 above .90
	59550 GLD251 269.0 0.9452	0.9781 above .90
	59568 STK324 269.0 0.9214	0.9946 above .90
	59598 LKW400 269.0 0.9395	0.9795 above .90
	59613 ORN614 269.0 0.9380	0.9820 above .90
	59614 SK631CJ269.0 0.9209	0.9954 above .90
	59616 STK631J269.0 0.9215	0.9948 above .90
	59637 HUM308 134.5 0.9298	0.9663 above .90
	59640 COL318 134.5 0.9128	0.9498 above .90
	59641 CAP304 134.5 0.9457	1.0053 above .90

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE)

59635 [FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500:
VOLTAGE LESS THAN 0.9500:

59637 [HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500:
VOLTAGE LESS THAN 0.9500:

59637 [HUM308 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59638 [STK324 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59497 [RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59605 [STK418 269.000] TO BUS 96118 [5STKAEC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X---- BUS ----X)	V-CONT	V-INIT
59635 FRP217 134.5	1.0576	1.0210 above .90
59637 HUM308 134.5	0.8206	0.9663 provide solut.
59639 DUN283 134.5	0.8181	0.9928 provide solut.
59640 COL318 134.5	0.8010	0.9498 provide solut.
59641 CAP304 134.5	0.9293	1.0053 above .90
59635 FRP217 134.5	1.0576	1.0210 above .90
59639 DUN283 134.5	1.0559	0.9928 above .90
59637 HUM308 134.5	0.8317	0.9663 provide solut.
59640 COL318 134.5	0.8122	0.9498 provide solut.
59641 CAP304 134.5	0.9348	1.0053 above .90
59637 HUM308 134.5	0.9157	0.9663 above .90
59640 COL318 134.5	0.8985	0.9498 provide solut.
59637 HUM308 134.5	0.9128	0.9663 above .90
59640 COL318 134.5	0.8956	0.9498 provide solut.
59641 CAP304 134.5	0.9106	1.0053 above .90
59473 RDS295 5 161	0.9439	0.9754 above .90
59474 OZD312 5 161	0.9381	0.9812 above .90
59475 BRN331 5 161	0.9359	0.9790 above .90
59482 HOL387 5 161	0.9360	0.9828 above .90
59488 BRN412 5 161	0.9359	0.9790 above .90
59489 BRN413 5 161	0.9342	0.9820 above .90
59492 RDS424 5 161	0.9411	0.9748 above .90
59495 GRT433 5 161	0.9348	0.9802 above .90
59497 RVS438 5 161	0.9345	0.9848 above .90
59549 ARC250 269.0	0.9296	0.9888 above .90
59550 GLD251 269.0	0.9453	0.9781 above .90
59568 STK324 269.0	0.9216	0.9946 above .90
59598 LKW400 269.0	0.9395	0.9795 above .90
59605 STK418 269.0	0.9210	0.9967 above .90
59613 GRN614 269.0	0.9381	0.9820 above .90
59614 SK631CJ269.0	0.9210	0.9954 above .90
59616 STK631J269.0	0.9217	0.9948 above .90
59637 HUM308 134.5	0.9299	0.9663 above .90
59640 COL318 134.5	0.9130	0.9498 above .90
59641 CAP304 134.5	0.9459	1.0053 above .90
	NONE	

2004 WINTER PEAK - ST. JOSEPH LIGHT AND POWER - AREA 679

2006 SUMMER PEAK -MISSOURI PUBLIC SERVICE - AREA 540

(OUTAGED BRANCH) (VOLTAGE RANGE)

59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X---- BUS ----X)	V-CONT	V-INIT
59159 NEVADA#113.2	0.9241	1.0176 Generation
59208 NEVADA 5 161	0.8805	0.9604 Generation
59216 BUTLER_5 161	0.8721	0.9796 Generation
59240 ADRIAN 5 161	0.8704	0.9906 Generation
59256 KAMOTP 269.0	0.8658	0.9656 Generation
59257 ELDRDO 269.0	0.8636	0.9636 Generation
59258 WALKER 269.0	0.8862	0.9837 Generation
59259 DEDRCK 269.0	0.8740	0.9729 Generation
59306 APCITY 269.0	0.9448	1.0039 Generation
59307 NEVPLT 269.0	0.9212	1.0136 Generation
59308 NEVADA 269.0	0.9241	1.0176 Generation
59309 METZ 269.0	0.8964	0.9928 Generation
59310 3M 269.0	0.8883	0.9856 Generation
59311 NEVJCT 269.0	0.9191	1.0117 Generation
59312 LAMAR 269.0	0.8831	0.9795 Generation

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)

59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59208 [NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59208 [NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 2 VOLTAGE LESS THAN 0.9500:

59209 [SEDALIA5161.00] TO BUS 59271 [SEDN 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59209 [SEDALIA5161.00] TO BUS 59272 [SEDS 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59210 [MARTCTY5161.00] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

(X---- BUS ----X)	V-CONT	V-INIT
59208 NEVADA 5 161	0.9098	0.9604 Acceptable
59256 KAMOTP 269.0	0.9022	0.9656 Acceptable
59257 ELDRDO 269.0	0.9001	0.9636 Acceptable
59258 WALKER 269.0	0.9217	0.9837 Acceptable
59259 DEDRCK 269.0	0.9100	0.9729 Acceptable
59309 METZ 269.0	0.9314	0.9928 Acceptable
59310 3M 269.0	0.9237	0.9856 Acceptable
59312 LAMAR 269.0	0.9182	0.9795 Acceptable
59256 KAMOTP 269.0	0.9123	0.9656 Acceptable
59257 ELDRDO 269.0	0.9102	0.9636 Acceptable
59258 WALKER 269.0	0.9314	0.9837 Acceptable
59259 DEDRCK 269.0	0.9200	0.9729 Acceptable
59309 METZ 269.0	0.9410	0.9928 Acceptable
59310 3M 269.0	0.9334	0.9856 Acceptable
59312 LAMAR 269.0	0.9279	0.9795 Acceptable
59256 KAMOTP 269.0	0.9254	0.9656 Acceptable
59257 ELDRDO 269.0	0.9234	0.9636 Acceptable
59258 WALKER 269.0	0.9443	0.9837 Acceptable
59259 DEDRCK 269.0	0.9330	0.9729 Acceptable
59310 3M 269.0	0.9463	0.9856 Acceptable
59312 LAMAR 269.0	0.9406	0.9795 Acceptable
59276 COLECMP269.0	0.9469	0.9993 Acceptable
59277 WARSAW 269.0	0.9301	0.9835 Acceptable
59277 WARSAW 269.0	0.9413	0.9835 Acceptable
59284 GRDVWTP269.0	0.9490	0.9985 Acceptable
59285 GRDWCTY269.0	0.9474	0.9992 Acceptable
59286 GRDWST 269.0	0.9435	1.0041 Acceptable
59287 MARTCTY269.0	0.9435	1.0125 Acceptable
59288 RGAFB 269.0	0.9406	0.9801 Acceptable
59289 BELTON 269.0	0.9398	0.9769 Acceptable
59290 BELTONS269.0	0.9390	0.9724 Acceptable
59159 NEVADA#113.2	0.9399	1.0176 Generation
59208 NEVADA 5 161	0.8936	0.9604 Generation
59216 BUTLER_5 161	0.8888	0.9796 Generation
59256 KAMOTP 269.0	0.8832	0.9656 Generation
59257 ELDRDO 269.0	0.8810	0.9636 Generation
59258 WALKER 269.0	0.9029	0.9837 Generation
59259 DEDRCK 269.0	0.8911	0.9729 Generation
59307 NEVPLT 269.0	0.9369	1.0136 Generation
59308 NEVADA 269.0	0.9399	1.0176 Generation
59309 METZ 269.0	0.9129	0.9928 Generation
59310 3M 269.0	0.9050	0.9856 Generation
59311 NEVJCT 269.0	0.9348	1.0117 Generation
59312 LAMAR 269.0	0.8997	0.9795 Generation

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59225	[PHILL 5161.00] TO BUS 59280 [PHILL 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59154 RGREEN#313.2	0.8999	1.0085 Upgrade
				59278 HOLDEN 269.0	0.9313	0.9965 Upgrade
				59279 RGREEN 269.0	0.8999	1.0085 Upgrade
				59280 PHILL 269.0	0.8994	1.0112 Upgrade
				59288 RGAFB 269.0	0.9137	0.9801 Upgrade
				59289 BELTON 269.0	0.9059	0.9769 Upgrade
				59290 BELTONS269.0	0.8939	0.9724 Upgrade
				59291 FREEMAN269.0	0.9165	0.9870 Upgrade
				59292 ANCONDA269.0	0.9388	1.0041 Upgrade
				59293 HSNVLW 269.0	0.9402	1.0053 Upgrade
				59294 HSNVLS 269.0	0.9443	1.0085 Upgrade
				59296 HSNVLSW269.0	0.9418	1.0092 Upgrade
				59297 HSNVLN 269.0	0.9282	1.0030 Upgrade
				59298 GRDNCTY269.0	0.9387	1.0063 Upgrade
				59299 SNCLRPS269.0	0.9387	1.0063 Upgrade
59229	[ODESSA 5161.00] TO BUS 59267 [ODESSA 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59267 ODESSA 269.0	0.9392	1.0143 Acceptable
59239	[HSNVL 5161.00] TO BUS 59295 [HSNVL 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0	0.9436	0.9801 Upgrade
				59289 BELTON 269.0	0.9378	0.9769 Upgrade
				59290 BELTONS269.0	0.9292	0.9724 Upgrade
				59291 FREEMAN269.0	0.9071	0.9870 Upgrade
				59292 ANCONDA269.0	0.9049	1.0041 Upgrade
				59293 HSNVLW 269.0	0.9048	1.0053 Upgrade
				59294 HSNVLS 269.0	0.9049	1.0085 Upgrade
				59295 HSNVL 269.0	0.9062	1.0140 Upgrade
				59296 HSNVLSW269.0	0.9074	1.0092 Upgrade
				59297 HSNVLN 269.0	0.9107	1.0030 Upgrade
				59298 GRDNCTY269.0	0.9042	1.0063 Upgrade
				59299 SNCLRPS269.0	0.9042	1.0063 Upgrade
59279	[RGREEN 269.000] TO BUS 59280 [PHILL 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59154 RGREEN#313.2	0.9259	1.0085 Acceptable
				59278 HOLDEN 269.0	0.9473	0.9965 Acceptable
				59279 RGREEN 269.0	0.9259	1.0085 Acceptable
59280	[PHILL 269.000] TO BUS 59290 [BELTONS269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0	0.9314	0.9801 Upgrade
				59289 BELTON 269.0	0.9245	0.9769 Upgrade
				59290 BELTONS269.0	0.9144	0.9724 Upgrade
59284	[GRDVWTP269.000] TO BUS 59288 [RGAFB 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0	0.9110	0.9801 Upgrade
				59289 BELTON 269.0	0.9117	0.9769 Upgrade
				59290 BELTONS269.0	0.9141	0.9724 Upgrade
				59291 FREEMAN269.0	0.9452	0.9870 Upgrade
59285	[GRDWCTY269.000] TO BUS 59286 [GRDWST 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59286 GRDWST 269.0	1.0595	1.0041 Acceptable
				59287 MARTCTY269.0	1.0629	1.0125 Acceptable
59286	[GRDWST 269.000] TO BUS 59287 [MARTCTY269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0	1.0865	1.0125 Acceptable
			VOLTAGE LESS THAN 0.9500:	59284 GRDVWTP269.0	0.9490	0.9985 Acceptable
				59285 GRDWCTY269.0	0.9474	0.9992 Acceptable
				59286 GRDWST 269.0	0.9434	1.0041 Acceptable
				59288 RGAFB 269.0	0.9406	0.9801 Acceptable
				59289 BELTON 269.0	0.9398	0.9769 Acceptable
				59290 BELTONS269.0	0.9390	0.9724 Acceptable
59288	[RGAFB 269.000] TO BUS 59289 [BELTON 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59289 BELTON 269.0	0.9243	0.9769 Upgrade
				59290 BELTONS269.0	0.9255	0.9724 Upgrade
59289	[BELTON 269.000] TO BUS 59290 [BELTONS269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59290 BELTONS269.0	0.9365	0.9724 Acceptable
59291	[FREEMAN269.000] TO BUS 59292 [ANCONDA269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0	0.9382	0.9870 Acceptable
59292	[ANCONDA269.000] TO BUS 59293 [HSNVLW 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0	0.9375	0.9870 Acceptable
				59292 ANCONDA269.0	0.9369	1.0041 Acceptable

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59293 [HSNVLW 269.000] TO BUS 59294 [HSNVLS 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0 0.9293	0.9870 Acceptable
	59292 ANCONDA269.0 0.9261	1.0041 Acceptable
	59293 HSNVLW 269.0 0.9259	1.0053 Acceptable
59294 [HSNVLS 269.000] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59290 BELTONS269.0 0.9460	0.9724 Acceptable
	59291 FREEMAN269.0 0.9120	0.9870 Acceptable
	59292 ANCONDA269.0 0.9033	1.0041 Acceptable
	59293 HSNVLW 269.0 0.9027	1.0053 Acceptable
59295 [HSNVL 269.000] TO BUS 59296 [HSNVLSW269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59294 HSNVLS 269.0 0.9018	1.0085 Acceptable
	59296 HSNVLSW269.0 0.9454	1.0092 Acceptable
	59297 HSNVLN 269.0 0.9466	1.0030 Acceptable
	59298 GRDNCTY269.0 0.9423	1.0063 Acceptable
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	59299 SNCLRPS269.0 0.9423	1.0063 Acceptable
	59159 NEVADA#113.2 1.0640	1.0176 Switch
	59308 NEVADA 269.0 1.0640	1.0176 Switch
	59304 URICHTP269.0 0.9068	1.0078 Switch
	59305 URICH 269.0 0.9036	1.0049 Switch
	59306 APCITY 269.0 0.8482	1.0039 Switch
	59307 NEVPLT 269.0 0.7393	1.0136 Switch
	59311 NEVJCT 269.0 0.7364	1.0117 Switch
	59312 LAMAR 269.0 0.6902	0.9795 Switch
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2 1.0933	1.0176 LTC
	59307 NEVPLT 269.0 1.0879	1.0136 LTC
	59308 NEVADA 269.0 1.0933	1.0176 LTC
	59311 NEVJCT 269.0 1.0862	1.0117 LTC
	59312 LAMAR 269.0 1.0566	0.9795 LTC
59309 [METZ 269.000] TO BUS 59310 [3M 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2 1.0772	1.0176 LTC
	59258 WALKER 269.0 1.0630	0.9837 LTC
	59259 DEDRCK 269.0 1.0530	0.9729 LTC
	59307 NEVPLT 269.0 1.0721	1.0136 LTC
	59308 NEVADA 269.0 1.0772	1.0176 LTC
	59309 METZ 269.0 1.0712	0.9928 LTC
	59311 NEVJCT 269.0 1.0704	1.0117 LTC
59242 [CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59208 NEVADA 5 161 0.9368	0.9604 Accept Risk
	59242 CLINTON5 161 0.7785	1.0147 Accept Risk
	59256 KAMOTP 269.0 0.9040	0.9656 Accept Risk
	59257 ELDRDO 269.0 0.9019	0.9636 Accept Risk
	59258 WALKER 269.0 0.9234	0.9837 Accept Risk
	59259 DEDRCK 269.0 0.9118	0.9729 Accept Risk
	59300 POSTOAK269.0 0.8714	1.0061 Accept Risk
	59301 CLNTPLT269.0 0.8107	1.0159 Accept Risk
	59302 CLNTGRN269.0 0.8089	1.0160 Accept Risk
	59303 CLINTON269.0 0.8100	1.0205 Accept Risk
	59304 URICHTP269.0 0.8342	1.0078 Accept Risk
	59305 URICH 269.0 0.8307	1.0049 Accept Risk
	59306 APCITY 269.0 0.8611	1.0039 Accept Risk
	59309 METZ 269.0 0.9331	0.9928 Accept Risk
	59310 3M 269.0 0.9254	0.9856 Accept Risk
	59311 NEVJCT 269.0 0.9489	1.0117 Accept Risk
	59312 LAMAR 269.0 0.9143	0.9795 Accept Risk

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
SPP-12							
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1		VOLTAGE LESS THAN 0.9500:	59159	NEVADA#113.2	0.9436	1.0176 Generation
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1			59208	NEVADA 5 161	0.8972	0.9604 Generation
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1			59216	BUTLER_5 161	0.8560	0.9796 Generation
				59256	KAMOTP 269.0	0.8871	0.9656 Generation
				59257	ELDRDO 269.0	0.8849	0.9636 Generation
				59258	WALKER 269.0	0.9068	0.9837 Generation
				59259	DEDRCK 269.0	0.8950	0.9729 Generation
				59307	NEVPLT 269.0	0.9405	1.0136 Generation
				59308	NEVADA 269.0	0.9436	1.0176 Generation
				59309	METZ 269.0	0.9166	0.9928 Generation
				59310	3M 269.0	0.9088	0.9856 Generation
				59311	NEVJCT 269.0	0.9384	1.0117 Generation
				59312	LAMAR 269.0	0.9034	0.9795 Generation
2006 SUMMER PEAK, EMPIRE DISTRICT ELECTRIC - AREA 544							
			VOLTAGE LESS THAN 0.9500:	59404	PUR390 269.0	0.9476	0.9476 above .90
BASE CASE				59416	CHE299T134.5	0.9088	0.9088 above .90
				59417	CHE299 134.5	0.9049	0.9049 above .90
				59418	CHE300 134.5	0.9082	0.9082 above .90
				59419	TWN388 134.5	0.9073	0.9073 above .90
				59420	WEL186 134.5	0.8820	0.8820 provide solut.
				59640	COL318 134.5	0.9469	0.9469 above .90
59433	[STRKAMO269.000] TO BUS 59604 [BHIJ415 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59433	STRKAMO269.0	0.9422	0.9634 above .90
59436	[CUPTAP 269.000] TO BUS 59585 [DAD368 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59436	CUPTAP 269.0	0.9464	0.9983 above .90
				59437	CUPSUB 269.0	0.9459	0.9977 above .90
				59598	LKW400 269.0	0.9497	0.9728 above .90
59464	[BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:	59425	HER209 269.0	0.8662	0.9801 capacitor 69kv
				59432	BUF243J269.0	0.8859	0.9614 capacitor 69kv
				59433	STRKAMO269.0	0.9147	0.9634 above .90
				59434	BUF409 269.0	0.8682	0.9555 capacitor 69kv
				59528	BOL 73 269.0	0.8929	1.0033 capacitor 69kv
				59529	SED 80 269.0	0.9272	0.9754 above .90
				59542	NIC170 269.0	0.9463	0.9759 above .90
				59545	FRP217 269.0	0.9299	0.9897 above .90
				59547	BUF243 269.0	0.8857	0.9613 capacitor 69kv
				59567	BRT323 269.0	0.9088	0.9857 above .90
				59572	FGC333 269.0	0.8883	0.9615 capacitor 69kv
				59575	BUF342 269.0	0.8771	0.9637 capacitor 69kv
				59576	REP345 269.0	0.9459	0.9663 above .90
				59584	BOL367 269.0	0.8955	0.9891 capacitor 69kv
				59586	WIL445 269.0	0.9354	0.9724 above .90
				59587	STR370 269.0	0.9059	0.9617 above .90
				59596	PRG397 269.0	0.9047	0.9631 above .90
				59612	BOL602 269.0	0.8986	0.9870 capacitor 69kv
				59637	HUM308 134.5	0.9267	0.9671 above .90
				59639	DUN283 134.5	0.9408	0.9897 above .90
				59640	COL318 134.5	0.9056	0.9469 above .90
				59691	WIL369 269.0	0.9329	0.9701 above .90

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59469 [RIV167 5161.00] TO BUS 59487 [HOC404 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5 0.8879	0.9088 provide solut.
	59417 CHE299 134.5 0.8838	0.9049 provide solut.
	59418 CHE300 134.5 0.8872	0.9082 provide solut.
	59419 TWN388 134.5 0.8862	0.9073 provide solut.
	59420 WEL186 134.5 0.8604	0.8820 provide solut.
	59487 HOC404 5 161 0.9484	0.9812 above .90
59474 [OZD312 5161.00] TO BUS 59562 [OZD312 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59562 OZD312 269.0 0.9430	1.0066 above .90
	59603 FOR410 269.0 0.9430	1.0051 above .90
59478 [DAD368 5161.00] TO BUS 59493 [BOL431 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59425 HER209 269.0 0.9306	0.9801 above .90
	59432 BUF243J269.0 0.9330	0.9614 above .90
	59434 BUF409 269.0 0.9208	0.9555 above .90
	59547 BUF243 269.0 0.9329	0.9613 above .90
	59572 FGC333 269.0 0.9354	0.9615 above .90
	59575 BUF342 269.0 0.9292	0.9637 above .90
	59584 BOL367 269.0 0.9465	0.9891 above .90
	59587 STR370 269.0 0.9405	0.9617 above .90
	59596 FRG397 269.0 0.9410	0.9631 above .90
	59612 BOL602 269.0 0.9463	0.9870 above .90
	59637 HUM308 134.5 0.9406	0.9671 above .90
59478 [DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59436 CUPTAP 269.0 0.9497	0.9983 above .90
	59437 CUPSUB 269.0 0.9492	0.9977 above .90
	59536 ASH121 269.0 0.9491	0.9780 above .90
	59586 WIL445 269.0 0.9491	0.9724 above .90
	59637 HUM308 134.5 0.9422	0.9671 above .90
	59640 COL318 134.5 0.9217	0.9469 above .90
	59691 WIL369 269.0 0.9467	0.9701 above .90
59480 [MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59400 MON376J269.0 0.9067	0.9788 above .90
	59401 MON376 269.0 0.9053	0.9775 above .90
	59402 MON416J269.0 0.9001	0.9727 above .90
	59403 MON416 269.0 0.8998	0.9724 capacitor 69kv
	59404 PUR390 269.0 0.8727	0.9476 capacitor 69kv
	59405 MON352J269.0 0.9313	1.0012 above .90
	59406 MON352 269.0 0.9311	1.0011 above .90
	59407 MON311J269.0 0.9298	0.9998 above .90
	59408 MON311 269.0 0.9297	0.9997 above .90
	59422 GNB347 269.0 0.9471	0.9684 above .90
	59430 SAR362 269.0 0.9387	0.9803 above .90
	59540 MON152 269.0 0.9375	1.0023 above .90
	59544 WEN205 269.0 0.9418	0.9895 above .90
	59582 SAR362T269.0 0.9454	0.9867 above .90
	59591 MON383 269.0 0.9360	1.0056 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59487 [HOC404 5161.00] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59409 SCAM66 269.0 0.9449	0.9775 above .90
	59410 COL282T269.0 0.9458	0.9784 above .90
	59411 COL282 269.0 0.9396	0.9723 above .90
	59412 SEK225T269.0 0.9438	0.9765 above .90
	59413 SEK225 269.0 0.9437	0.9764 above .90
	59414 SMN425 269.0 0.9423	0.9750 above .90
	59415 SHR444 269.0 0.9427	0.9754 above .90
	59416 CHE299T134.5 0.8610	0.9088 provide solut.
	59417 CHE299 134.5 0.8569	0.9049 provide solut.
	59418 CHE300 134.5 0.8604	0.9082 provide solut.
	59419 TWN388 134.5 0.8594	0.9073 provide solut.
	59420 WEL186 134.5 0.8328	0.8820 provide solut.
	59427 COM381 269.0 0.9421	0.9854 above .90
	59590 QUA377 269.0 0.9495	0.9946 above .90
59488 [BRN412 5161.00] TO BUS 59492 [RDS424 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59492 RDS424 5 161 0.9356	0.9567 above .90
59524 [NEO 56 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59426 SEN375 269.0 0.9478	0.9691 above .90
	59524 NEO 56 269.0 0.9406	0.9831 above .90
59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59432 BUF243J269.0 0.8990	0.9614 capacitor 69kv
	59433 STRKAMO269.0 0.9341	0.9634 above .90
	59434 BUF409 269.0 0.8751	0.9555 capacitor 69kv
	59547 BUF243 269.0 0.8988	0.9613 capacitor 69kv
	59572 FGC333 269.0 0.9029	0.9615 above .90
	59575 BUF342 269.0 0.8840	0.9637 capacitor 69kv
	59587 STR370 269.0 0.9275	0.9617 above .90
	59596 FRG397 269.0 0.9270	0.9631 above .90
59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59545 FRP217 269.0 0.9434	0.9897 above .90
	59584 BOL367 269.0 0.9146	0.9891 above .90
	59612 BOL602 269.0 0.9169	0.9870 above .90
	59637 HUM308 134.5 0.9364	0.9671 above .90
59529 [SED 80 269.000] TO BUS 59596 [FRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59640 COL318 134.5 0.9158	0.9469 above .90
	59432 BUF243J269.0 0.9414	0.9614 above .90
	59433 STRKAMO269.0 0.9423	0.9634 above .90
	59547 BUF243 269.0 0.9412	0.9613 above .90
	59572 FGC333 269.0 0.9402	0.9615 above .90
	59587 STR370 269.0 0.9368	0.9617 above .90
	59596 FRG397 269.0 0.9367	0.9631 above .90
59532 [CAR108 269.000] TO BUS 59533 [ATL109 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59640 COL318 134.5 0.9198	0.9469 above .90
	59532 CAR108 269.0 0.9474	0.9771 above .90
	59599 JAS403 269.0 0.9467	0.9717 above .90
59536 [ASH121 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59600 JAS403T269.0 0.9474	0.9723 above .90
	59536 ASH121 269.0 0.9482	0.9780 above .90
	59586 WIL445 269.0 0.9492	0.9724 above .90
59536 [ASH121 269.000] TO BUS 59586 [WIL445 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59691 WIL369 269.0 0.9468	0.9701 above .90
	59586 WIL445 269.0 0.9484	0.9724 above .90
	59691 WIL369 269.0 0.9459	0.9701 above .90
59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0 0.9459	0.9738 above .90
	59553 ALB262 269.0 0.9489	0.9767 above .90
	59577 MTV351 269.0 0.9356	0.9754 above .90
	59578 AUR355 269.0 0.9247	0.9870 above .90
	59606 MTV420 269.0 0.9343	0.9761 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59421 GNB347J269.0 0.9257	0.9803 above .90
	59422 GNB347 269.0 0.9131	0.9684 above .90
	59423 DIA242 269.0 0.9251	0.9797 above .90
	59430 SAR362 269.0 0.9440	0.9803 above .90
	59538 DIA131 269.0 0.9312	0.9854 above .90
59541 [RIV167 269.000] TO BUS 59602 [RIV406 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5 0.8872	0.9088 provide solut.
	59417 CHE299 134.5 0.8833	0.9049 provide solut.
	59418 CHE300 134.5 0.8866	0.9082 provide solut.
	59419 TWN388 134.5 0.8856	0.9073 provide solut.
	59420 WEL186 134.5 0.8600	0.8820 provide solut.
	59429 BAX291 269.0 0.9495	0.9826 above .90
	59560 ROC296 269.0 0.9449	0.9832 above .90
	59597 NEO398 269.0 0.9467	0.9830 above .90
59543 [NEO184 269.000] TO BUS 59560 [ROC296 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59426 SEN375 269.0 0.9318	0.9691 above .90
59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59524 NEO 56 269.0 0.9087	0.9831 above .90
	59563 LIN314 269.0 0.9067	0.9866 above .90
	59589 RAC375 269.0 0.9462	0.9828 above .90
59545 [FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59635 FRP217 134.5 0.8486	1.0135 provide solut.
	59637 HUM308 134.5 0.8498	0.9671 provide solut.
	59639 DUN283 134.5 0.8485	0.9897 provide solut.
	59640 COL318 134.5 0.8265	0.9469 provide solut.
	59641 CAP304 134.5 0.9410	1.0033 above .90
59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59542 NIC170 269.0 0.9467	0.9759 above .90
	59576 REP345 269.0 0.9078	0.9663 above .90
	59580 REP359 269.0 0.8879	0.9611 capacitor 69kv
59554 [BAX271 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59411 COL282 269.0 0.9494	0.9723 above .90
	59416 CHE299T134.5 0.8755	0.9088 provide solut.
	59417 CHE299 134.5 0.8714	0.9049 provide solut.
	59418 CHE300 134.5 0.8749	0.9082 provide solut.
	59419 TWN388 134.5 0.8738	0.9073 provide solut.
	59420 WEL186 134.5 0.8477	0.8820 provide solut.
59562 [OZD312 269.000] TO BUS 59603 [FOR410 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59603 FOR410 269.0 0.9419	1.0051 above .90
59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59568 STK324 269.0 0.8979	0.9905 capacitor 69kv
	59637 HUM308 134.5 0.9237	0.9671 above .90
	59638 STK324 134.5 0.9221	1.0232 above .90
	59640 COL318 134.5 0.9029	0.9469 above .90
	59641 CAP304 134.5 0.9219	1.0033 above .90
59568 [STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5 0.9290	0.9671 above .90
	59638 STK324 134.5 0.9285	1.0232 above .90
	59640 COL318 134.5 0.9086	0.9469 above .90
	59641 CAP304 134.5 0.9283	1.0033 above .90
59570 [OZK330 269.000] TO BUS 59604 [BHZ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59570 OZK330 269.0 0.8604	0.9895 capacitor 69kv
	59609 OZK434 269.0 0.8656	0.9858 capacitor 69kv
59570 [OZK330 269.000] TO BUS 59609 [OZK434 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59609 OZK434 269.0 0.9370	0.9858 above .90
59587 [STR370 269.000] TO BUS 59596 [PRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59433 STRKAMO269.0 0.9383	0.9634 above .90
	59587 STR370 269.0 0.9327	0.9617 above .90
59590 [QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59427 COM381 269.0 0.9035	0.9854 above .90
	59579 COM381T269.0 0.9121	0.9933 above .90
	59590 QUA377 269.0 0.9097	0.9946 above .90

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS	----	X)	V-CONT	V-INIT
59598	[LKW400 269.000] TO BUS 59613 [GRN614 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59550	GLD251	269.0	0.9437	0.9702	above .90
				59598	LKW400	269.0	0.9393	0.9728	above .90
59605	[STK418 269.000] TO BUS 59614 [SK631CJ269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59548	BOS249	269.0	0.9430	0.9711	above .90
				59549	ARC250	269.0	0.9190	0.9841	above .90
				59550	GLD251	269.0	0.9337	0.9702	above .90
				59568	STK324	269.0	0.9105	0.9905	above .90
				59598	LKW400	269.0	0.9284	0.9728	above .90
				59613	GRN614	269.0	0.9280	0.9770	above .90
				59614	SK631CJ269.0		0.9098	0.9913	above .90
				59616	STK631J269.0		0.9105	0.9907	above .90
				59637	HUM308	134.5	0.9284	0.9671	above .90
				59638	STK324	134.5	0.9425	1.0232	above .90
				59640	COL318	134.5	0.9078	0.9469	above .90
				59641	CAP304	134.5	0.9376	1.0033	above .90
59635	[FRP217 134.500] TO BUS 59639 [DUN283 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.8481	0.9671	provide solut.
				59639	DUN283	134.5	0.8464	0.9897	provide solut.
				59640	COL318	134.5	0.8246	0.9469	provide solut.
				59641	CAP304	134.5	0.9404	1.0033	above .90
59637	[HUM308 134.500] TO BUS 59639 [DUN283 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.8544	0.9671	provide solut.
				59640	COL318	134.5	0.8311	0.9469	provide solut.
				59641	CAP304	134.5	0.9433	1.0033	above .90
59637	[HUM308 134.500] TO BUS 59641 [CAP304 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.9291	0.9671	above .90
				59640	COL318	134.5	0.9087	0.9469	above .90
59638	[STK324 134.500] TO BUS 59641 [CAP304 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.9275	0.9671	above .90
				59640	COL318	134.5	0.9070	0.9469	above .90
				59641	CAP304	134.5	0.9261	1.0033	above .90
59484	[DEC392 5161.00] TO BUS 53139 [PLINTCR5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59428	SWC414	269.0	0.9461	0.9883	above .90
				59569	DEC326	269.0	0.9479	1.0088	above .90
				59594	DEC392	269.0	0.9493	1.0118	above .90
				59617	GRA700	269.0	0.9467	1.0025	above .90
59497	[RVS438 5161.00] TO BUS 52672 [TABLE R5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59473	RDS295	5 161	0.9260	0.9580	above .90
				59474	OZD312	5 161	0.9206	0.9651	above .90
				59475	BRN331	5 161	0.9183	0.9627	above .90
				59482	HOL387	5 161	0.9186	0.9672	above .90
				59488	BRN412	5 161	0.9183	0.9627	above .90
				59489	BRN413	5 161	0.9169	0.9665	above .90
				59492	RDS424	5 161	0.9223	0.9567	above .90
				59495	GRT433	5 161	0.9173	0.9643	above .90
				59497	RVS438	5 161	0.9171	0.9695	above .90
				59648	OZD312	14.60	0.9443	0.9880	above .90
59605	[STK418 269.000] TO BUS 96118 [5STKAEC 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59548	BOS249	269.0	0.9431	0.9711	above .90
				59549	ARC250	269.0	0.9191	0.9841	above .90
				59550	GLD251	269.0	0.9337	0.9702	above .90
				59568	STK324	269.0	0.9107	0.9905	above .90
				59598	LKW400	269.0	0.9284	0.9728	above .90
				59605	STK418	269.0	0.9100	0.9927	above .90
				59613	GRN614	269.0	0.9281	0.9770	above .90
				59614	SK631CJ269.0		0.9100	0.9913	above .90
				59616	STK631J269.0		0.9107	0.9907	above .90
				59637	HUM308	134.5	0.9285	0.9671	above .90
				59638	STK324	134.5	0.9427	1.0232	above .90
				59640	COL318	134.5	0.9079	0.9469	above .90
				59641	CAP304	134.5	0.9377	1.0033	above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
CONTINGENCY SPP-12		
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59637 HUM308 134.5	0.9443
59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1	59640 COL318 134.5	0.9236
59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1		0.9671 above .90
		0.9469 above .90

2006 SUMMER PEAK ST. JOSEPH LIGHT AND POWER - AREA 679

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
69703 [ST JOE 5161.00] TO BUS 69708 [WOODBINS5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	69704 EAST 5 161	0.9494
	69708 WOODBINS 161	0.9492
		1.0020 Acceptable
		1.0063 Acceptable

2006 WINTER PEAK - MISSOURI PUBLIC SERVICE - AREA 540

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59216 BUTLER_5 161	0.9462
	59240 ADRIAN_5 161	0.9452
	59256 KAMOTP 269.0	0.9314
	59257 ELDRDO 269.0	0.9300
	59258 WALKER 269.0	0.9434
	59259 DEDRCK 269.0	0.9363
	59309 METZ 269.0	0.9494
	59310 3M 269.0	0.9445
	59312 LAMAR 269.0	0.9416
	59256 KAMOTP 269.0	0.9482
	59257 ELDRDO 269.0	0.9469
	59256 KAMOTP 269.0	0.9373
	59257 ELDRDO 269.0	0.9360
	59258 WALKER 269.0	0.9493
	59259 DEDRCK 269.0	0.9422
	59312 LAMAR 269.0	0.9474
	59154 RGREEN#313.2	0.9480
	59279 RGREEN 269.0	0.9480
	59280 PHILL 269.0	0.9477
	59290 BELTONS269.0	0.9450
	59287 MARTCTY269.0	1.0560
	59292 ANCONDA269.0	0.9462
	59293 HSNVLW 269.0	0.9459
	59294 HSNVLS 269.0	0.9453
	59306 APCITY 269.0	0.9324
	59307 NEVPLT 269.0	0.8795
	59311 NEVJCT 269.0	0.8781
	59312 LAMAR 269.0	0.8543
	59159 NEVADA#113.2	1.0519
	59308 NEVADA 269.0	1.0519
	59242 CLINTON5 161	0.9038
	59300 POSTOAK269.0	0.9407
	59301 CLNTPLT269.0	0.9068
	59302 CLNTGRN269.0	0.9058
	59303 CLINTON269.0	0.9065
	59304 URICHTP269.0	0.9209
	59305 URICH 269.0	0.9189
	59306 APCITY 269.0	0.9365
		1.0037 Acceptable
59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:		1.0058 Acceptable
59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:		1.0115 Acceptable
		0.9803 Acceptable
		0.9791 Acceptable
		0.9918 Acceptable
		0.9850 Acceptable
		0.9974 Acceptable
		0.9927 Acceptable
		0.9892 Acceptable
		0.9803 Acceptable
		0.9791 Acceptable
		0.9803 Acceptable
		0.9791 Acceptable
		0.9918 Acceptable
		0.9850 Acceptable
		0.9892 Acceptable
		1.0086 Acceptable
		1.0086 Acceptable
		1.0104 Acceptable
		0.9862 Acceptable
		1.0130 LTC
		1.0043 Acceptable
		1.0050 Acceptable
		1.0069 Acceptable
		1.0037 Switch
		1.0106 Switch
		1.0095 Switch
		0.9892 Switch
		1.0131 LTC
		1.0131 LTC
		1.0245 Acceptable
		1.0059 Acceptable
		1.0088 Acceptable
		1.0087 Acceptable
		1.0115 Acceptable
		1.0052 Acceptable
		1.0033 Acceptable
		1.0037 Acceptable
59225 [PHILL 5161.00] TO BUS 59280 [PHILL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		
59286 [ORDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:		
59294 [HSNVLS 269.000] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:		
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:		
59242 [CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:		

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
CONTINGENCY SPP-12						
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59216	BUTLER_5 161	0.9190	1.0058 Acceptable
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1		59256	KAMOTP 269.0	0.9388	0.9803 Acceptable
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1		59257	ELDRDO 269.0	0.9375	0.9791 Acceptable
			59259	DEDRCK 269.0	0.9437	0.9850 Acceptable
			59312	LAMAR 269.0	0.9488	0.9892 Acceptable
2006 WINTER PEAK - EMPIRE DISTRICT ELECTRIC - AREA 544						
(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
BASE CASE						
VOLTAGE LESS THAN 0.9500:						
59436	[CUPTAP 269.000] TO BUS 59585 [DAD368 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59420	WEL186 134.5	0.9404	0.9404 above .90
			59640	COL318 134.5	0.9351	0.9351 above .90
			59436	CUPTAP 269.0	0.9429	1.0035 above .90
			59437	CUPSUB 269.0	0.9426	1.0033 above .90
			59598	LKW400 269.0	0.9463	0.9733 above .90
			59613	GRN614 269.0	0.9451	0.9754 above .90
59436	[CUPTAP 269.000] TO BUS 59613 [GRN614 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59598	LKW400 269.0	0.9464	0.9733 above .90
			59613	GRN614 269.0	0.9452	0.9754 above .90
59464	[BOL 73 5161.00] TO BUS 59528 [BOL 73 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59425	HER209 269.0	0.8640	0.9887 capacitor 69kv
			59432	BUF243J 269.0	0.8841	0.9684 capacitor 69kv
			59433	STRKAMO 269.0	0.9210	0.9753 above .90
			59434	BUF409 269.0	0.8641	0.9612 capacitor 69kv
			59528	BOL 73 269.0	0.8864	1.0078 capacitor 69kv
			59529	SED 80 269.0	0.9337	0.9876 above .90
			59545	FRP217 269.0	0.9237	0.9905 above .90
			59547	BUF243 269.0	0.8839	0.9683 capacitor 69kv
			59567	BRT323 269.0	0.9089	0.9941 above .90
			59572	FGC333 269.0	0.8870	0.9688 capacitor 69kv
			59575	BUF342 269.0	0.8735	0.9696 capacitor 69kv
			59584	BOL367 269.0	0.8837	0.9875 capacitor 69kv
			59586	WIL445 269.0	0.9455	0.9866 above .90
			59587	STR370 269.0	0.9104	0.9727 above .90
			59596	FRG397 269.0	0.9080	0.9733 above .90
			59612	BOL602 269.0	0.8875	0.9856 capacitor 69kv
			59635	FRP217 134.5	0.9468	1.0103 above .90
			59637	HUM308 134.5	0.9071	0.9527 above .90
			59639	DUN283 134.5	0.9256	0.9803 above .90
			59640	COL318 134.5	0.8885	0.9351 provide solut.
59474	[OZD312 5161.00] TO BUS 59562 [OZD312 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59691	WIL369 269.0	0.9441	0.9853 above .90
			59562	OZD312 269.0	0.9499	1.0131 above .90
59478	[DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59603	FOR410 269.0	0.9499	1.0117 above .90
			59637	HUM308 134.5	0.9274	0.9527 above .90
			59640	COL318 134.5	0.9093	0.9351 above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59401	MON376 269.0	0.9498	0.9915 above .90
			59402	MON416J 269.0	0.9461	0.9880 above .90
			59403	MON416 269.0	0.9458	0.9878 above .90
			59404	PUR390 269.0	0.9276	0.9705 above .90
59487	[HOC404 5161.00] TO BUS 59601 [HOC404 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59416	CHE299T 134.5	0.9315	0.9584 above .90
			59417	CHE299 134.5	0.9288	0.9557 above .90
			59418	CHE300 134.5	0.9311	0.9580 above .90
			59419	TWN388 134.5	0.9304	0.9574 above .90
			59420	WEL186 134.5	0.9131	0.9404 above .90

VOLTAGE REPORT TABLE

59528 [BOL 73 269.000] TO BUS 59575 [BUF342 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59528 [BOL 73 269.000] TO BUS 59584 [BOL367 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59529 [SED 80 269.000] TO BUS 59596 [FRG397 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59545 [FRP217 269.000] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59545 [FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59562 [OZD312 269.000] TO BUS 59603 [FOR410 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59568 [STK324 269.000] TO BUS 59638 [STK324 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59570 [OZK330 269.000] TO BUS 59604 [BMJ415 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59570 [OZK330 269.000] TO BUS 59609 [OZK434 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59590 [QUA377 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59432	BUF243J269.0	0.9065	0.9684	above .90
59433	STRKAMO269.0	0.9463	0.9753	above .90
59434	BUF409 269.0	0.8817	0.9612	capacitor 69kv
59547	BUF243 269.0	0.9063	0.9683	above .90
59572	FGC333 269.0	0.9104	0.9688	above .90
59575	BUF342 269.0	0.8909	0.9696	capacitor 69kv
59587	STR370 269.0	0.9388	0.9727	above .90
59596	FRG397 269.0	0.9376	0.9733	above .90
59545	FRP217 269.0	0.9203	0.9905	above .90
59584	BOL367 269.0	0.8749	0.9875	capacitor 69kv
59612	BOL602 269.0	0.8796	0.9856	capacitor 69kv
59635	FRP217 134.5	0.9447	1.0103	above .90
59637	HUM308 134.5	0.9048	0.9527	above .90
59639	DUN283 134.5	0.9234	0.9803	above .90
59640	COL318 134.5	0.8862	0.9351	provide solut.
59432	BUF243J269.0	0.9452	0.9684	above .90
59547	BUF243 269.0	0.9451	0.9683	above .90
59572	FGC333 269.0	0.9442	0.9688	above .90
59587	STR370 269.0	0.9441	0.9727	above .90
59596	FRG397 269.0	0.9430	0.9733	above .90
59421	GNB347J269.0	0.9466	0.9898	above .90
59422	GNB347 269.0	0.9368	0.9800	above .90
59423	DIA242 269.0	0.9461	0.9892	above .90
59426	SEN375 269.0	0.9484	0.9758	above .90
59524	NEO 56 269.0	0.9296	0.9848	above .90
59563	LIN314 269.0	0.9278	0.9874	above .90
59637	HUM308 134.5	0.9273	0.9527	above .90
59639	DUN283 134.5	0.9495	0.9803	above .90
59640	COL318 134.5	0.9093	0.9351	above .90
59635	FRP217 134.5	0.7866	1.0103	provide solut.
59637	HUM308 134.5	0.7896	0.9527	provide solut.
59639	DUN283 134.5	0.7866	0.9803	provide solut.
59640	COL318 134.5	0.7681	0.9351	provide solut.
59641	CAP304 134.5	0.9102	0.9959	above .90
59576	REP345 269.0	0.9487	0.9822	above .90
59580	REP359 269.0	0.9360	0.9785	above .90
59603	FOR410 269.0	0.9489	1.0117	above .90
59568	STK324 269.0	0.8748	0.9883	capacitor 69kv
59637	HUM308 134.5	0.8985	0.9527	provide solut.
59638	STK324 134.5	0.8982	1.0197	provide solut.
59639	DUN283 134.5	0.9495	0.9803	above .90
59640	COL318 134.5	0.8806	0.9351	provide solut.
59641	CAP304 134.5	0.8980	0.9959	provide solut.
59637	HUM308 134.5	0.8994	0.9527	provide solut.
59638	STK324 134.5	0.8993	1.0197	provide solut.
59640	COL318 134.5	0.8815	0.9351	provide solut.
59641	CAP304 134.5	0.8990	0.9959	provide solut.
59570	OZK330 269.0	0.8754	0.9995	capacitor 69kv
59609	OZK434 269.0	0.8798	0.9953	capacitor 69kv
59609	OZK434 269.0	0.9404	0.9953	above .90
59427	COM381 269.0	0.9319	0.9963	above .90
59579	COM381T269.0	0.9369	1.0010	above .90
59590	QUA377 269.0	0.9350	1.0021	above .90

VOLTAGE REPORT TABLE

59605 [STK418 269.000] TO BUS 59614 [SK631CJ269.000] CKT 1 VOLTAGE LESS THAN 0.9500:

59548 BOS249 269.0	0.9462	0.9750 above .90
59549 ARC250 269.0	0.9160	0.9823 above .90
59550 GLD251 269.0	0.9356	0.9729 above .90
59568 STK324 269.0	0.9068	0.9883 above .90
59598 LKW400 269.0	0.9282	0.9733 above .90
59613 GRN614 269.0	0.9259	0.9754 above .90
59614 SK631CJ269.0	0.9061	0.9891 above .90
59616 STK631J269.0	0.9068	0.9885 above .90
59637 HUM308 134.5	0.9122	0.9527 above .90
59638 STK324 134.5	0.9388	1.0197 above .90
59640 COL318 134.5	0.8942	0.9351 provide solut.
59641 CAP304 134.5	0.9295	0.9959 above .90

59635 [FRP217 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE GREATER THAN 1.0500:
VOLTAGE LESS THAN 0.9500:

59635 FRP217 134.5	1.0502	1.0103 above .90
59637 HUM308 134.5	0.7892	0.9527 provide solut.
59639 DUN283 134.5	0.7858	0.9803 provide solut.
59640 COL318 134.5	0.7680	0.9351 provide solut.
59641 CAP304 134.5	0.9099	0.9959 above .90

59637 [HUM308 134.500] TO BUS 59639 [DUN283 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59637 HUM308 134.5	0.8060	0.9527 provide solut.
59640 COL318 134.5	0.7850	0.9351 provide solut.
59641 CAP304 134.5	0.9184	0.9959 above .90

59637 [HUM308 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59637 HUM308 134.5	0.9000	0.9527 provide solut.
59640 COL318 134.5	0.8821	0.9351 provide solut.

59638 [STK324 134.500] TO BUS 59641 [CAP304 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:

59637 HUM308 134.5	0.8978	0.9527 provide solut.
59639 DUN283 134.5	0.9490	0.9803 above .90
59640 COL318 134.5	0.8799	0.9351 provide solut.
59641 CAP304 134.5	0.8968	0.9959 provide solut.

59497 [RV8438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59473 RDS295 5 161	0.9442	0.9737 above .90
59474 OZD312 5 161	0.9366	0.9773 above .90
59475 BRN331 5 161	0.9346	0.9753 above .90
59482 HOL387 5 161	0.9345	0.9788 above .90
59488 BRN412 5 161	0.9347	0.9754 above .90
59489 BRN413 5 161	0.9328	0.9780 above .90
59492 RDS424 5 161	0.9407	0.9723 above .90
59495 GRT433 5 161	0.9334	0.9764 above .90
59497 RV8438 5 161	0.9329	0.9806 above .90

59605 [STK418 269.000] TO BUS 96118 [5STKAEC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:

59548 BOS249 269.0	0.9466	0.9750 above .90
59549 ARC250 269.0	0.9154	0.9823 above .90
59550 GLD251 269.0	0.9358	0.9729 above .90
59568 STK324 269.0	0.9060	0.9883 above .90
59598 LKW400 269.0	0.9281	0.9733 above .90
59605 STK418 269.0	0.9053	0.9906 above .90
59613 GRN614 269.0	0.9255	0.9754 above .90
59614 SK631CJ269.0	0.9053	0.9891 above .90
59616 STK631J269.0	0.9061	0.9885 above .90
59637 HUM308 134.5	0.9098	0.9527 above .90
59638 STK324 134.5	0.9377	1.0197 above .90
59640 COL318 134.5	0.8913	0.9351 provide solut.
59641 CAP304 134.5	0.9276	0.9959 above .90

VOLTAGE REPORT TABLE

2006 WINTER PEAK -ST. JOSEPH LIGHT AND POWER - AREA 679

NONE

2010 SUMMER PEAK -MISSOURI PUBLIC SERVICE - AREA 540

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS	----	X)	V-CONT	V-INIT
BASE CASE			VOLTAGE LESS THAN 0.9500:	59208	NEVADA	5	161	0.9452	0.9452 Acceptable
				59256	KAMOTP	269.0		0.9456	0.9456 Acceptable
				59257	ELDRDO	269.0		0.9433	0.9433 Acceptable
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:				59159	NEVADA#113.2			0.8750	1.0059 Generation
				59208	NEVADA	5	161	0.8386	0.9452 Generation
				59216	BUTLER_5	161		0.8288	0.9692 Generation
				59240	ADRIAN	5	161	0.8266	0.9833 Generation
				59256	KAMOTP	269.0		0.8034	0.9456 Generation
				59257	ELDRDO	269.0		0.8007	0.9433 Generation
				59258	WALKER	269.0		0.8284	0.9666 Generation
				59259	DEDRCK	269.0		0.8134	0.9540 Generation
				59304	URICHTP	269.0		0.9423	1.0015 Generation
				59305	URICH	269.0		0.9387	0.9981 Generation
				59306	APCITY	269.0		0.9111	0.9948 Generation
				59307	NEVPLT	269.0		0.8719	1.0015 Generation
				59308	NEVADA	269.0		0.8750	1.0059 Generation
				59309	METZ	269.0		0.8410	0.9772 Generation
				59310	3M	269.0		0.8313	0.9688 Generation
				59311	NEVJCT	269.0		0.8692	0.9992 Generation
				59312	LAMAR	269.0		0.8253	0.9619 Generation
59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:				59159	NEVADA#113.2			0.9263	1.0059 Not Valid
				59208	NEVADA	5	161	0.8799	0.9452 Not Valid
				59256	KAMOTP	269.0		0.8598	0.9456 Not Valid
				59257	ELDRDO	269.0		0.8572	0.9433 Not Valid
				59258	WALKER	269.0		0.8830	0.9666 Not Valid
				59259	DEDRCK	269.0		0.8691	0.9540 Not Valid
				59306	APCITY	269.0		0.9440	0.9948 Not Valid
				59307	NEVPLT	269.0		0.9227	1.0015 Not Valid
				59308	NEVADA	269.0		0.9263	1.0059 Not Valid
				59309	METZ	269.0		0.8946	0.9772 Not Valid
				59310	3M	269.0		0.8855	0.9688 Not Valid
				59311	NEVJCT	269.0		0.9202	0.9992 Not Valid
				59312	LAMAR	269.0		0.8792	0.9619 Not Valid
59208 [NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:				59159	NEVADA#113.2			0.9217	1.0059 Generation
				59256	KAMOTP	269.0		0.8548	0.9456 Generation
				59257	ELDRDO	269.0		0.8522	0.9433 Generation
				59258	WALKER	269.0		0.8781	0.9666 Generation
				59259	DEDRCK	269.0		0.8641	0.9540 Generation
				59306	APCITY	269.0		0.9433	0.9948 Generation
				59307	NEVPLT	269.0		0.9183	1.0015 Generation
				59308	NEVADA	269.0		0.9217	1.0059 Generation
				59309	METZ	269.0		0.8899	0.9772 Generation
				59310	3M	269.0		0.8807	0.9688 Generation
				59311	NEVJCT	269.0		0.9158	0.9992 Generation
				59312	LAMAR	269.0		0.8746	0.9619 Generation

Schedule No. 7

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	)	(X---- BUS ----X)	V-CONT	V-INIT
59208	[NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 2		VOLTAGE LESS THAN 0.9500:		59159 NEVADA#113.2	0.9450	1.0059 Generation
					59256 KAMOTP 269.0	0.8801	0.9456 Generation
					59257 ELDRDO 269.0	0.8776	0.9433 Generation
					59258 WALKER 269.0	0.9027	0.9666 Generation
					59259 DEDRCK 269.0	0.8892	0.9540 Generation
					59307 NEVPLT 269.0	0.9413	1.0015 Generation
					59308 NEVADA 269.0	0.9450	1.0059 Generation
					59309 METZ 269.0	0.9141	0.9772 Generation
					59310 3M 269.0	0.9052	0.9688 Generation
					59311 NEVJCT 269.0	0.9389	0.9992 Generation
					59312 LAMAR 269.0	0.8989	0.9619 Generation
59209	[SEDALIA5161.00] TO BUS 59217 [WINDSR 5161.00] CKT 1		VOLTAGE LESS THAN 0.9500:		59209 SEDALIA5 161	0.9437	0.9683 Acceptable
59210	[MARTCTY5161.00] TO BUS 59287 [MARTCTY269.000] CKT 1		VOLTAGE LESS THAN 0.9500:		59241 SEDALIA5 161	0.9486	0.9701 Acceptable
					59286 GRDWST 269.0	0.9487	1.0100 Acceptable
					59287 MARTCTY269.0	0.9487	1.0189 Acceptable
					59288 RGAFB 269.0	0.9465	0.9844 Acceptable
					59289 BELTON 269.0	0.9455	0.9805 Acceptable
					59290 BELTONS269.0	0.9450	0.9757 Acceptable
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1		VOLTAGE LESS THAN 0.9500:		59159 NEVADA#113.2	0.8986	1.0059 Not Valid
					59208 NEVADA 5 161	0.8569	0.9452 Not Valid
					59216 BUTLER_5 161	0.8515	0.9692 Not Valid
					59256 KAMOTP 269.0	0.8298	0.9456 Not Valid
					59257 ELDRDO 269.0	0.8272	0.9433 Not Valid
					59258 WALKER 269.0	0.8538	0.9666 Not Valid
					59259 DEDRCK 269.0	0.8394	0.9540 Not Valid
					59305 URICH 269.0	0.9493	0.9981 Not Valid
					59306 APCITY 269.0	0.9260	0.9948 Not Valid
					59307 NEVPLT 269.0	0.8953	1.0015 Not Valid
					59308 NEVADA 269.0	0.8986	1.0059 Not Valid
					59309 METZ 269.0	0.8659	0.9772 Not Valid
					59310 3M 269.0	0.8565	0.9688 Not Valid
					59311 NEVJCT 269.0	0.8927	0.9992 Not Valid
					59312 LAMAR 269.0	0.8504	0.9619 Not Valid
59225	[PHILL 5161.00] TO BUS 59280 [PHILL 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:		59290 BELTONS269.0	0.9467	0.9757 Upgrade
59228	[WBURGE 5161.00] TO BUS 59229 [ODESSA 5161.00] CKT 1		VOLTAGE LESS THAN 0.9500:		59228 WBURGE 5 161	0.9299	0.9600 Acceptable
					59234 WAFB 5 161	0.9347	0.9609 Acceptable
59229	[ODESSA 5161.00] TO BUS 59267 [ODESSA 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:		59267 ODESSA 269.0	0.9285	1.0147 Acceptable
59239	[HSNVL 5161.00] TO BUS 59295 [HSNVL 269.000] CKT 1		VOLTAGE LESS THAN 0.9500:		59289 BELTON 269.0	0.9499	0.9805 Acceptable
					59290 BELTONS269.0	0.9416	0.9757 Acceptable
					59291 FREEMAN269.0	0.9195	0.9876 Acceptable
					59292 ANCONDA269.0	0.9183	1.0047 Acceptable
					59293 HSNVLW 269.0	0.9184	1.0059 Acceptable
					59294 HSNVLS 269.0	0.9188	1.0092 Acceptable
					59295 HSNVL 269.0	0.9205	1.0148 Acceptable
					59296 HSNVLSW269.0	0.9221	1.0104 Acceptable
					59297 HSNVLN 269.0	0.9263	1.0053 Acceptable
					59298 GRDNCTY269.0	0.9185	1.0071 Acceptable
					59299 SNCLRPS269.0	0.9185	1.0071 Acceptable
59261	[LBRTYWT269.000] TO BUS 59262 [LIBERTY269.000] CKT 1		VOLTAGE GREATER THAN 1.0500:		59261 LBRTYWT269.0	1.0596	1.0139 LTC
59269	[WBURGE 269.000] TO BUS 59270 [KNOSTER269.000] CKT 1		VOLTAGE LESS THAN 0.9500:		59270 KNOSTER269.0	0.9483	0.9997 Acceptable

Schedule No. 7

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59280 [PHILL 269.000] TO BUS 59290 [BELTONS269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0 0.9178	0.9844 Upgrade
	59289 BELTON 269.0 0.9093	0.9805 Upgrade
	59290 BELTONS269.0 0.8969	0.9757 Upgrade
	59291 FREEMAN269.0 0.9381	0.9876 Upgrade
59284 [GRDVWTP269.000] TO BUS 59285 [GRDWCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0 1.0558	1.0189 LTC
59284 [GRDVWTP269.000] TO BUS 59288 [RGAFB 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59288 RGAFB 269.0 0.9139	0.9844 Acceptable
	59289 BELTON 269.0 0.9147	0.9805 Acceptable
	59290 BELTONS269.0 0.9174	0.9757 Acceptable
	59291 FREEMAN269.0 0.9478	0.9876 Acceptable
59285 [GRDWCTY269.000] TO BUS 59286 [GRDWST 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59286 GRDWST 269.0 1.0723	1.0100 LTC
	59287 MARTCTY269.0 1.0761	1.0189 LTC
59286 [GRDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59287 MARTCTY269.0 1.1039	1.0189 LTC
	59288 GRDWST 269.0 0.9486	1.0100 Acceptable
	59288 RGAFB 269.0 0.9464	0.9844 Acceptable
	59289 BELTON 269.0 0.9454	0.9805 Acceptable
	59290 BELTONS269.0 0.9449	0.9757 Acceptable
59288 [RGAFB 269.000] TO BUS 59289 [BELTON 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59289 BELTON 269.0 0.9290	0.9805 Acceptable
	59290 BELTONS269.0 0.9303	0.9757 Acceptable
59289 [BELTON 269.000] TO BUS 59290 [BELTONS269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59290 BELTONS269.0 0.9429	0.9757 Acceptable
59291 [FREEMAN269.000] TO BUS 59292 [ANCONDA269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0 0.9402	0.9876 Acceptable
59292 [ANCONDA269.000] TO BUS 59293 [HSNVLW 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0 0.9392	0.9876 Acceptable
	59292 ANCONDA269.0 0.9386	1.0047 Acceptable
59293 [HSNVLW 269.000] TO BUS 59294 [HSNVLS 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59291 FREEMAN269.0 0.9301	0.9876 Acceptable
	59292 ANCONDA269.0 0.9265	1.0047 Acceptable
	59293 HSNVLW 269.0 0.9263	1.0059 Acceptable
59294 [HSNVLS 269.000] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59290 BELTONS269.0 0.9496	0.9757 Upgrade
	59291 FREEMAN269.0 0.9106	0.9876 Upgrade
	59292 ANCONDA269.0 0.9005	1.0047 Upgrade
	59293 HSNVLW 269.0 0.8999	1.0059 Upgrade
	59294 HSNVLS 269.0 0.8989	1.0092 Upgrade
59301 [CLNTPLT269.000] TO BUS 59304 [URICHTP269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59256 KAMOTP 269.0 0.9208	0.9456 Acceptable
	59257 ELORDO 269.0 0.9184	0.9433 Acceptable
	59258 WALKER 269.0 0.9424	0.9666 Acceptable
	59259 DEDRCK 269.0 0.9294	0.9540 Acceptable
	59304 URICHTP269.0 0.9397	1.0015 Acceptable
	59305 URICH 269.0 0.9361	0.9981 Acceptable
	59306 APCITY 269.0 0.9437	0.9948 Acceptable
	59310 3M 269.0 0.9447	0.9688 Acceptable
	59312 LAMAR 269.0 0.9358	0.9619 Acceptable
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2 1.0621	1.0059 LTC
	59308 NEVADA 269.0 1.0621	1.0059 LTC
	59304 URICHTP269.0 0.8622	1.0015 Switch
	59305 URICH 269.0 0.8582	0.9981 Switch
	59306 APCITY 269.0 0.7815	0.9948 Switch
	59307 NEVPLT 269.0 0.6330	1.0015 Switch
	59311 NEVJCT 269.0 0.6292	0.9992 Switch
	59312 LAMAR 269.0 0.5707	0.9619 Switch
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59159 NEVADA#113.2 1.1002	1.0059 LTC
	59307 NEVPLT 269.0 1.0942	1.0015 LTC
	59308 NEVADA 269.0 1.1002	1.0059 LTC
	59311 NEVJCT 269.0 1.0922	0.9992 LTC
	59312 LAMAR 269.0 1.0586	0.9619 LTC

VOLTAGE REPORT TABLE

{ OUTAGED BRANCH }			{ VOLTAGE RANGE }		{ X---- BUS ----X }	V-CONT	V-INIT
59309 [METZ 269.000] TO BUS 59310 [3M 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:					59159 NEVADA#113.2	1.0805	1.0059 LTC
					59258 WALKER 269.0	1.0643	0.9666 LTC
					59259 DEDRCK 269.0	1.0529	0.9540 LTC
					59307 NEVPLT 269.0	1.0748	1.0015 LTC
					59308 NEVADA 269.0	1.0805	1.0059 LTC
					59309 METZ 269.0	1.0737	0.9772 LTC
					59311 NEVJCT 269.0	1.0728	0.9992 LTC
59217 [WINDSR 5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:					59209 SEDALIA5 161	0.9412	0.9683 Acceptable
					59217 WINDSR 5 161	0.9388	0.9898 Acceptable
					59241 SEDEAST5 161	0.9464	0.9701 Acceptable
59241 [SEDEAST5161.00] TO BUS 31409 [OVERTON 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:					59241 SEDEAST5 161	0.9473	0.9701 Acceptable
59242 [CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:					59159 NEVADA#113.2	0.9209	1.0059 Accept Risk
					59208 NEVADA 5 161	0.9116	0.9452 Accept Risk
					59228 WBURGE 5 161	0.9347	0.9600 Accept Risk
					59234 WAFB 5 161	0.9394	0.9609 Accept Risk
					59242 CLINTON5 161	0.7093	1.0094 Accept Risk
					59256 KAMOTP 269.0	0.8538	0.9456 Accept Risk
					59257 ELDRDO 269.0	0.8512	0.9433 Accept Risk
					59258 WALKER 269.0	0.8772	0.9666 Accept Risk
					59259 DEDRCK 269.0	0.8632	0.9540 Accept Risk
					59268 WBURGP 269.0	0.9357	1.0085 Accept Risk
					59300 POSTOAK269.0	0.8269	1.0045 Accept Risk
					59301 CLNTPLT269.0	0.7477	1.0134 Accept Risk
					59302 CLNTGRN269.0	0.7454	1.0136 Accept Risk
					59303 CLINTON269.0	0.7469	1.0188 Accept Risk
					59304 URICHTP269.0	0.7742	1.0015 Accept Risk
					59305 URICH 269.0	0.7698	0.9981 Accept Risk
					59306 APCITY 269.0	0.8051	0.9948 Accept Risk
					59307 NEVPLT 269.0	0.9107	1.0015 Accept Risk
					59308 NEVADA 269.0	0.9209	1.0059 Accept Risk
					59309 METZ 269.0	0.8890	0.9772 Accept Risk
					59310 3M 269.0	0.8798	0.9688 Accept Risk
					59311 NEVJCT 269.0	0.9082	0.9992 Accept Risk
					59312 LAMAR 269.0	0.8665	0.9619 Accept Risk
CONTINGENCY SPP-12					59159 NEVADA#113.2	0.9021	1.0059 Generation
59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:					59208 NEVADA 5 161	0.8609	0.9452 Generation
59216 [BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1					59216 BUTLER_5 161	0.8175	0.9692 Generation
59208 [NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1					59256 KAMOTP 269.0	0.8333	0.9456 Generation
					59257 ELDRDO 269.0	0.8307	0.9433 Generation
					59258 WALKER 269.0	0.8573	0.9666 Generation
					59259 DEDRCK 269.0	0.8429	0.9540 Generation
					59305 URICH 269.0	0.9499	0.9981 Generation
					59306 APCITY 269.0	0.9273	0.9948 Generation
					59307 NEVPLT 269.0	0.8987	1.0015 Generation
					59308 NEVADA 269.0	0.9021	1.0059 Generation
					59309 METZ 269.0	0.8694	0.9772 Generation
					59310 3M 269.0	0.8600	0.9688 Generation
					59311 NEVJCT 269.0	0.8962	0.9992 Generation
					59312 LAMAR 269.0	0.8538	0.9619 Generation

VOLTAGE REPORT TABLE

2010 SUMMER PEAK - EMPIRE DISTRICT ELECTRIC - AREA 544

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS	----	X)	V-CONT	V-INIT
BASE CASE			VOLTAGE LESS THAN 0.9500:		59404	PUR390	269.0	0.9410	0.9410 above .90
					59416	CHE299T134.5		0.8955	0.8955 provide solut.
					59417	CHE299	134.5	0.8909	0.8909 provide solut.
					59418	CHE300	134.5	0.8948	0.8948 provide solut.
					59419	TWN388	134.5	0.8938	0.8938 provide solut.
					59420	WEL186	134.5	0.8681	0.8681 provide solut.
					59473	RDS295	5 161	0.9343	0.9343 above .90
					59474	OZD312	5 161	0.9400	0.9400 above .90
					59475	BRN331	5 161	0.9380	0.9380 above .90
					59482	HOL387	5 161	0.9430	0.9430 above .90
					59488	BRN412	5 161	0.9380	0.9380 above .90
					59489	BRN413	5 161	0.9427	0.9427 above .90
					59492	RDS424	5 161	0.9318	0.9318 above .90
					59495	GRT433	5 161	0.9401	0.9401 above .90
					59497	RVS438	5 161	0.9464	0.9464 above .90
59416 [CHE299T134.500]	TO BUS 59418 [CHE300 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:		59417	CHE299	134.5	0.9493	0.8909 above .90
59418 [CHE300 134.500]	TO BUS 59419 [TWN388 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:		59417	CHE299	134.5	0.9495	0.8909 above .90
59419 [TWN388 134.500]	TO BUS 59420 [WEL186 134.500]	CKT 1	VOLTAGE LESS THAN 0.9500:		59416	CHE299T134.5		0.9451	0.8955 above .90
					59417	CHE299	134.5	0.9408	0.8909 above .90
					59418	CHE300	134.5	0.9450	0.8948 above .90
					59419	TWN388	134.5	0.9448	0.8938 above .90
59436 [CUPTAP 269.000]	TO BUS 59585 [DAD368 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:		59436	CUPTAP	269.0	0.9493	1.0076 above .90
					59437	CUPSUB	269.0	0.9487	1.0071 above .90
59464 [BOL 73 5161.00]	TO BUS 59493 [BOL431 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:		59425	HER209	269.0	0.9358	0.9912 above .90
					59432	BUF243J269.0		0.9311	0.9658 above .90
					59433	STRKAMO269.0		0.9366	0.9611 above .90
					59434	BUF409	269.0	0.9204	0.9614 above .90
					59493	BOL431	5 161	0.9444	0.9757 above .90
					59547	BUF243	269.0	0.9309	0.9656 above .90
					59572	FGC333	269.0	0.9330	0.9656 above .90
					59575	BUF342	269.0	0.9292	0.9698 above .90
					59587	STR370	269.0	0.9344	0.9615 above .90
					59596	FRG397	269.0	0.9360	0.9640 above .90
					59637	HUM308	134.5	0.9391	0.9719 above .90
					59640	COL318	134.5	0.9166	0.9503 above .90
					59691	WIL369	269.0	0.9482	0.9708 above .90
59464 [BOL 73 5161.00]	TO BUS 59528 [BOL 73 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:		59425	HER209	269.0	0.8473	0.9912 capacitor 69kv
					59432	BUF243J269.0		0.8688	0.9658 capacitor 69kv
					59433	STRKAMO269.0		0.8978	0.9611 capacitor 69kv
					59434	BUF409	269.0	0.8499	0.9614 capacitor 69kv
					59528	BOL 73	269.0	0.8776	1.0166 capacitor 69kv
					59529	SED 80	269.0	0.9141	0.9766 above .90
					59536	ASH121	269.0	0.9445	0.9797 above .90
					59542	NIC170	269.0	0.9329	0.9718 above .90
					59545	FRP217	269.0	0.9229	0.9995 above .90
					59547	BUF243	269.0	0.8686	0.9656 capacitor 69kv
					59552	LAW260	269.0	0.9496	0.9735 above .90
					59567	BRT323	269.0	0.8943	0.9921 capacitor 69kv
					59572	FGC333	269.0	0.8714	0.9656 capacitor 69kv
					59575	BUF342	269.0	0.8595	0.9698 capacitor 69kv
					59576	REP345	269.0	0.9316	0.9586 above .90

CONTINUED NEXT PAGE

(	UNFAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
				59580	REP359 269.0	0.9310	0.9516 above .90
				59584	BOL367 269.0	0.8817	1.0001 capacitor 69kv
				59586	WIL445 269.0	0.9252	0.9734 above .90
				59587	STR370 269.0	0.8893	0.9615 capacitor 69kv
				59596	FRG397 269.0	0.8886	0.9640 capacitor 69kv
				59612	BOL602 269.0	0.8852	0.9973 capacitor 69kv
				59635	FRP217 134.5	0.9486	1.0213 above .90
				59637	HUM308 134.5	0.9201	0.9719 above .90
				59639	DUN283 134.5	0.9337	0.9960 above .90
				59640	COL318 134.5	0.8972	0.9503 provide solut.
				59691	WIL369 269.0	0.9225	0.9708 above .90
59468	[AUR124 5161.00] TO BUS 59473 [RDS295 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59473	RDS295 5 161	0.9113	0.9343 above .90
59468	[AUR124 5161.00] TO BUS 59480 [MON383 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59424	RES364 269.0	0.9457	0.9666 above .90
				59468	AUR124 5 161	0.9359	0.9576 above .90
				59553	ALB262 269.0	0.9487	0.9695 above .90
				59577	MTV351 269.0	0.9472	0.9692 above .90
				59606	MTV420 269.0	0.9482	0.9704 above .90
59469	[RIV167 5161.00] TO BUS 59487 [HOC404 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59416	CHE299T134.5	0.8656	0.8955 provide solut.
				59417	CHE299 134.5	0.8609	0.8909 provide solut.
				59418	CHE300 134.5	0.8650	0.8948 provide solut.
				59419	TWN388 134.5	0.8639	0.8938 provide solut.
				59420	WEL186 134.5	0.8372	0.8681 provide solut.
				59486	HOC404 4 138	0.9409	0.9765 above .90
				59487	HOC404 5 161	0.9352	0.9737 above .90
59474	[OZD312 5161.00] TO BUS 59562 [OZD312 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59562	OZD312 269.0	0.9195	1.0123 above .90
				59603	FOR410 269.0	0.9195	1.0101 above .90
59478	[DAD368 5161.00] TO BUS 59493 [BOL431 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59434	BUF409 269.0	0.9374	0.9614 above .90
				59575	BUF342 269.0	0.9460	0.9698 above .90
				59637	HUM308 134.5	0.9444	0.9719 above .90
				59640	COL318 134.5	0.9222	0.9503 above .90
59478	[DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59436	CUPTAP 269.0	0.9490	1.0076 above .90
				59437	CUPSUB 269.0	0.9484	1.0071 above .90
				59536	ASH121 269.0	0.9444	0.9797 above .90
				59585	DAD368 269.0	0.9499	1.0135 above .90
				59586	WIL445 269.0	0.9446	0.9734 above .90
				59637	HUM308 134.5	0.9408	0.9719 above .90
				59640	COL318 134.5	0.9185	0.9503 above .90
				59691	WIL369 269.0	0.9419	0.9708 above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59400	MON376J269.0	0.8835	0.9746 capacitor 69kv
				59401	MON376 269.0	0.8820	0.9732 capacitor 69kv
				59402	MON416J269.0	0.8763	0.9681 capacitor 69kv
				59403	MON416 269.0	0.8759	0.9677 capacitor 69kv
				59404	PUR390 269.0	0.8461	0.9410 capacitor 69kv
				59405	MON352J269.0	0.9106	0.9986 above .90
				59406	MON352 269.0	0.9104	0.9984 above .90
				59407	MON311J269.0	0.9089	0.9970 above .90
				59408	MON311 269.0	0.9087	0.9969 above .90
				59421	GNB347J269.0	0.9481	0.9756 above .90
				59422	GNB347 269.0	0.9340	0.9619 above .90
				59423	DIA242 269.0	0.9475	0.9750 above .90
				59430	SAR362 269.0	0.9235	0.9760 above .90
				59540	MON152 269.0	0.9181	1.0001 above .90
				59544	WEN205 269.0	0.9261	0.9861 above .90
				59582	SAR362T269.0	0.9309	0.9831 above .90
				59591	MON383 269.0	0.9160	1.0035 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (			VOLTAGE RANGE	) (X----	BUS	----	X)	V-CONT	V-INIT
59484	[DEC392 5161.00]	TO BUS 59594	[DEC392 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59569	DEC326	269.0	0.9463	1.0020 above .90
					59594	DEC392	269.0	0.9463	1.0056 above .90
59487	[HOC404 5161.00]	TO BUS 59601	[HOC404 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59409	SCAM66	269.0	0.9412	0.9776 above .90
					59410	COL282T	269.0	0.9421	0.9785 above .90
					59411	COL282	269.0	0.9359	0.9725 above .90
					59412	SEK225T	269.0	0.9399	0.9765 above .90
					59413	SEK225	269.0	0.9398	0.9763 above .90
					59414	SMN425	269.0	0.9381	0.9747 above .90
					59415	SHR444	269.0	0.9388	0.9754 above .90
					59416	CHE299T	134.5	0.8411	0.8955 provide solut.
					59417	CHE299	134.5	0.8363	0.8909 provide solut.
					59418	CHE300	134.5	0.8404	0.8948 provide solut.
					59419	TWN388	134.5	0.8394	0.8938 provide solut.
					59420	WEL186	134.5	0.8122	0.8681 provide solut.
					59427	COM381	269.0	0.9382	0.9859 above .90
					59530	COL 94	269.0	0.9476	0.9838 above .90
					59579	COM381T	269.0	0.9469	0.9941 above .90
					59590	QUA377	269.0	0.9459	0.9956 above .90
					59601	HOC404	269.0	0.9482	1.0008 above .90
					59636	BAX271	134.5	0.9485	0.9963 above .90
59488	[BRN412 5161.00]	TO BUS 59492	[RDS424 5161.00]	CKT 1 VOLTAGE LESS THAN 0.9500:	59492	RDS424	5 161	0.9103	0.9318 above .90
59489	[BRN413 5161.00]	TO BUS 59497	[RVS438 5161.00]	CKT 1 VOLTAGE LESS THAN 0.9500:	59489	BRN413	5 161	0.9213	0.9427 above .90
59496	[NOL435 5161.00]	TO BUS 59610	[NOL435 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59428	SWC414	269.0	0.9384	0.9761 above .90
59524	[NEO 56 269.000]	TO BUS 59563	[LIN314 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59524	NEO 56	269.0	0.9404	0.9781 above .90
59528	[BOL 73 269.000]	TO BUS 59575	[BUF342 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59432	BUF243J	269.0	0.8896	0.9658 capacitor 69kv
					59433	STRKAMO	269.0	0.9249	0.9611 above .90
					59434	BUF409	269.0	0.8636	0.9614 capacitor 69kv
					59547	BUF243	269.0	0.8894	0.9656 capacitor 69kv
					59572	FQC333	269.0	0.8937	0.9656 capacitor 69kv
					59575	BUF342	269.0	0.8731	0.9698 capacitor 69kv
					59587	STR370	269.0	0.9195	0.9615 above .90
					59596	FRQ397	269.0	0.9199	0.9640 above .90
59528	[BOL 73 269.000]	TO BUS 59584	[BOL367 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59545	FRP217	269.0	0.9454	0.9995 above .90
					59584	BOL367	269.0	0.9131	1.0001 above .90
					59612	BOL602	269.0	0.9154	0.9973 above .90
					59637	HUM308	134.5	0.9361	0.9719 above .90
					59640	COL318	134.5	0.9136	0.9503 above .90
59529	[SED 80 269.000]	TO BUS 59596	[FRQ397 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59432	BUF243J	269.0	0.9449	0.9658 above .90
					59433	STRKAMO	269.0	0.9392	0.9611 above .90
					59547	BUF243	269.0	0.9447	0.9656 above .90
					59572	FQC333	269.0	0.9434	0.9656 above .90
					59587	STR370	269.0	0.9358	0.9615 above .90
					59596	FRQ397	269.0	0.9368	0.9640 above .90
59532	[CAR108 269.000]	TO BUS 59533	[ATL109 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59532	CAR108	269.0	0.9466	0.9780 above .90
					59599	JAS403	269.0	0.9462	0.9728 above .90
					59600	JAS403T	269.0	0.9469	0.9734 above .90
59536	[ASH121 269.000]	TO BUS 59585	[DAD368 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59536	ASH121	269.0	0.9407	0.9797 above .90
					59552	LAW260	269.0	0.9476	0.9735 above .90
					59586	WIL445	269.0	0.9432	0.9734 above .90
					59691	WIL369	269.0	0.9404	0.9708 above .90
59536	[ASH121 269.000]	TO BUS 59586	[WIL445 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59586	WIL445	269.0	0.9458	0.9734 above .90
					59691	WIL369	269.0	0.9431	0.9708 above .90

VOLTAGE REPORT TABLE

(OUTAGED BRANCH) (VOLTAGE RANGE) (X---- BUS ----X)	V-CONT	V-INIT
59537 [AUR124 269.000] TO BUS 59578 [AUR355 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59424 RES364 269.0 0.9320	0.9666 above .90
	59552 LAW260 269.0 0.9487	0.9735 above .90
	59553 ALB262 269.0 0.9351	0.9695 above .90
	59573 HTC338 269.0 0.9407	0.9711 above .90
	59577 MTV351 269.0 0.9197	0.9692 above .90
	59578 AUR355 269.0 0.9078	0.9855 above .90
	59606 MTV420 269.0 0.9183	0.9704 above .90
59537 [AUR124 269.000] TO BUS 59611 [MAR437 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59611 MAR437 269.0 0.9355	0.9736 above .90
59538 [DIA131 269.000] TO BUS 59595 [RNM393 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59421 GNB347J269.0 0.9108	0.9756 above .90
	59422 GNB347 269.0 0.8962	0.9619 capacitor 69kv
	59423 DIA242 269.0 0.9102	0.9750 above .90
	59430 SAR362 269.0 0.9319	0.9760 above .90
	59538 DIA131 269.0 0.9169	0.9814 above .90
	59544 WEN205 269.0 0.9499	0.9861 above .90
	59582 SAR362T269.0 0.9393	0.9831 above .90
59541 [RIV167 269.000] TO BUS 59602 [RIV406 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59416 CHE299T134.5 0.8705	0.8955 provide solut.
	59417 CHE299 134.5 0.8658	0.8909 provide solut.
	59418 CHE300 134.5 0.8699	0.8948 provide solut.
	59419 TWN388 134.5 0.8688	0.8938 provide solut.
	59420 WEL186 134.5 0.8425	0.8681 provide solut.
	59429 BAX291 269.0 0.9474	0.9824 above .90
59542 [NIC170 269.000] TO BUS 59576 [REP345 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59576 REP345 269.0 0.9365	0.9586 above .90
59543 [NEO184 269.000] TO BUS 59560 [ROC296 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59560 ROC296 269.0 0.9377	0.9776 above .90
	59597 NEO398 269.0 0.9397	0.9776 above .90
59543 [NEO184 269.000] TO BUS 59563 [LIN314 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59426 SEN375 269.0 0.9304	0.9667 above .90
	59524 NEO 56 269.0 0.9063	0.9781 above .90
	59563 LIN314 269.0 0.9041	0.9812 above .90
	59589 RAC375 269.0 0.9467	0.9823 above .90
59544 [WEN205 269.000] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59430 SAR362 269.0 0.9441	0.9760 above .90
59545 [FRP217 269.000] TO BUS 59635 [FRP217 134.500] CKT 1 VOLTAGE LESS THAN 0.9500:	59635 FRP217 134.5 0.8416	1.0213 provide solut.
	59637 HUM308 134.5 0.8432	0.9719 provide solut.
	59639 DUN283 134.5 0.8417	0.9960 provide solut.
	59640 COL318 134.5 0.8178	0.9503 provide solut.
	59641 CAP304 134.5 0.9421	1.0105 above .90
59546 [BIL221 269.000] TO BUS 59580 [REP359 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59542 NIC170 269.0 0.9399	0.9718 above .90
	59576 REP345 269.0 0.8957	0.9586 capacitor 69kv
	59580 REP359 269.0 0.8731	0.9516 capacitor 69kv
59554 [BAX271 269.000] TO BUS 59601 [HOC404 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59411 COL282 269.0 0.9463	0.9725 above .90
	59414 SMN425 269.0 0.9485	0.9747 above .90
	59415 SHR444 269.0 0.9492	0.9754 above .90
	59416 CHE299T134.5 0.8565	0.8955 provide solut.
	59417 CHE299 134.5 0.8518	0.8909 provide solut.
	59418 CHE300 134.5 0.8558	0.8948 provide solut.
	59419 TWN388 134.5 0.8548	0.8938 provide solut.
	59420 WEL186 134.5 0.8281	0.8681 provide solut.
59561 [NOL443 269.000] TO BUS 59610 [NOL435 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59561 NOL443 269.0 0.9400	0.9875 above .90
	59566 AND322 269.0 0.9474	0.9822 above .90
59562 [OZD312 269.000] TO BUS 59603 [FOR410 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59603 FOR410 269.0 0.9196	1.0101 above .90
59568 [STK324 269.000] TO BUS 59616 [STK631J269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59568 STK324 269.0 0.9064	0.9981 above .90
	59637 HUM308 134.5 0.9314	0.9719 above .90
	59638 STK324 134.5 0.9307	1.0317 above .90
	59640 COL318 134.5 0.9096	0.9503 above .90
	59641 CAP304 134.5 0.9306	1.0105 above .90

VOLTAGE REPORT TABLE

(	OUTAGRD BRANCH	) (	VOLTAGE RANGE	) (X----	BUS	----	X)	V-CONT	V-INIT
59568	[STK324 269.000] TO BUS 59638	[STK324 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.9254	0.9719	above .90
				59638	STK324	134.5	0.9236	1.0317	above .90
				59640	COL318	134.5	0.9027	0.9503	above .90
				59641	CAP304	134.5	0.9235	1.0105	above .90
59569	[DEC326 269.000] TO BUS 59594	[DEC392 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59569	DEC326	269.0	0.9461	1.0020	above .90
59570	[OZK330 269.000] TO BUS 59604	[BHJ415 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59570	OZK330	269.0	0.8515	0.9824	provide solut
				59609	OZK434	269.0	0.8567	0.9791	provide solut
59570	[OZK330 269.000] TO BUS 59609	[OZK434 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59609	OZK434	269.0	0.9372	0.9791	above .90
59577	[MTV351 269.000] TO BUS 59606	[MTV420 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59577	MTV351	269.0	0.9482	0.9692	above .90
59578	[AUR355 269.000] TO BUS 59606	[MTV420 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59577	MTV351	269.0	0.9409	0.9692	above .90
				59606	MTV420	269.0	0.9406	0.9704	above .90
59587	[STR370 269.000] TO BUS 59596	[FRG397 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59433	STRKAMO	269.0	0.9172	0.9611	above .90
				59587	STR370	269.0	0.9107	0.9615	above .90
59589	[RAC375 269.000] TO BUS 59592	[JOP389 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59426	SEN375	269.0	0.9370	0.9667	above .90
59590	[QUA377 269.000] TO BUS 59601	[HOC404 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59427	COM381	269.0	0.8938	0.9859	capacitor 69kv
				59579	COM381T	269.0	0.9028	0.9941	above .90
59598	[LKW400 269.000] TO BUS 59613	[GRN614 269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59590	QUA377	269.0	0.9000	0.9956	capacitor 69kv
				59548	BOS249	269.0	0.9474	0.9737	above .90
				59550	GLD251	269.0	0.9390	0.9739	above .90
				59598	LKW400	269.0	0.9340	0.9778	above .90
59605	[STK418 269.000] TO BUS 59614	[SK631CJ269.000] CKT 1	VOLTAGE LESS THAN 0.9500:	59548	BOS249	269.0	0.9409	0.9737	above .90
				59549	ARC250	269.0	0.9151	0.9908	above .90
				59550	GLD251	269.0	0.9313	0.9739	above .90
				59568	STK324	269.0	0.9052	0.9981	above .90
				59598	LKW400	269.0	0.9259	0.9778	above .90
				59613	GRN614	269.0	0.9257	0.9830	above .90
				59614	SK631CJ	269.0	0.9044	0.9989	above .90
				59616	STK631J	269.0	0.9053	0.9982	above .90
				59637	HUM308	134.5	0.9266	0.9719	above .90
				59638	STK324	134.5	0.9380	1.0317	above .90
				59640	COL318	134.5	0.9045	0.9503	above .90
				59641	CAP304	134.5	0.9340	1.0105	above .90
59635	[FRP217 134.500] TO BUS 59639	[DUN283 134.500] CKT 1	VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	59635	FRP217	134.5	1.0589	1.0213	above .90
				59637	HUM308	134.5	0.8421	0.9719	provide solut.
				59639	DUN283	134.5	0.8405	0.9960	provide solut.
				59640	COL318	134.5	0.8167	0.9503	provide solut.
59637	[HUM308 134.500] TO BUS 59639	[DUN283 134.500] CKT 1	VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	59641	CAP304	134.5	0.9415	1.0105	above .90
				59635	FRP217	134.5	1.0591	1.0213	above .90
				59639	DUN283	134.5	1.0580	0.9960	above .90
				59637	HUM308	134.5	0.8491	0.9719	provide solut.
				59640	COL318	134.5	0.8239	0.9503	provide solut.
				59641	CAP304	134.5	0.9446	1.0105	above .90
59637	[HUM308 134.500] TO BUS 59641	[CAP304 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.9322	0.9719	above .90
				59640	COL318	134.5	0.9104	0.9503	above .90
59638	[STK324 134.500] TO BUS 59641	[CAP304 134.500] CKT 1	VOLTAGE LESS THAN 0.9500:	59637	HUM308	134.5	0.9305	0.9719	above .90
				59640	COL318	134.5	0.9087	0.9503	above .90
				59641	CAP304	134.5	0.9291	1.0105	above .90
59484	[DEC392 5161.00] TO BUS 53139	[FLINTCR5161.00] CKT 1	VOLTAGE LESS THAN 0.9500:	59428	SWC414	269.0	0.9247	0.9761	above .90
				59484	DEC392	5 161	0.9386	1.0164	above .90
				59496	NOL435	5 161	0.9429	0.9928	above .90
				59561	NOL443	269.0	0.9395	0.9875	above .90
				59566	AND322	269.0	0.9429	0.9822	above .90
				59569	DEC326	269.0	0.9297	1.0020	above .90

CONTINUED ON NEXT PAGE

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
				59610 NOL435 269.0	0.9406	0.9912 above .90
				59617 GRA700 269.0	0.9276	0.9939 above .90
59497	[RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59473 RDS295 5 161	0.8959	0.9343 provide solut.
				59474 OZD312 5 161	0.8864	0.9400 provide solut.
				59475 BRN331 5 161	0.8846	0.9380 provide solut.
				59482 HOL387 5 161	0.8844	0.9430 provide solut.
				59488 BRN412 5 161	0.8847	0.9380 provide solut.
				59489 BRN413 5 161	0.8828	0.9427 provide solut.
				59492 RDS424 5 161	0.8906	0.9318 provide solut.
				59495 GRT433 5 161	0.8835	0.9401 provide solut.
				59497 RVS438 5 161	0.8830	0.9464 provide solut.
				59648 OZD312 14.60	0.9106	0.9633 above .90
59605	[STK418 269.000] TO BUS 96118 [5STKAEC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59548 BOS249 269.0	0.9410	0.9737 above .90
				59549 ARC250 269.0	0.9152	0.9908 above .90
				59550 GLD251 269.0	0.9313	0.9739 above .90
				59568 STK324 269.0	0.9054	0.9981 above .90
				59598 LKW400 269.0	0.9260	0.9778 above .90
				59605 STK418 269.0	0.9046	1.0005 above .90
				59613 GRN614 269.0	0.9258	0.9830 above .90
				59614 SK631CJ269.0	0.9046	0.9989 above .90
				59616 STK631J269.0	0.9055	0.9982 above .90
				59637 HUM308 134.5	0.9268	0.9719 above .90
				59638 STK324 134.5	0.9381	1.0317 above .90
				59640 COL318 134.5	0.9046	0.9503 above .90
				59641 CAP304 134.5	0.9342	1.0105 above .90
CONTINGENCY SPP-12						
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59434 BUF409 269.0	0.9414	0.9614 above .90
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1			59478 DAD368 5 161	0.9423	0.9626 above .90
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00] CKT 1			59637 HUM308 134.5	0.9399	0.9719 above .90
				59640 COL318 134.5	0.9175	0.9503 above .90
2010 SUMMER PEAK - ST. JOSEPH LIGHT AND POWER - AREA 679						
69703	[ST JOE 5161.00] TO BUS 69708 [WOODBINS161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			69704 EAST 5 161	0.9482	0.9990 Acceptable
				69708 WOODBINS 161	0.9480	1.0028 Acceptable

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
59208	[NEVADA 5161.00] TO BUS 59308 [NEVADA 269.000] CKT 2 VOLTAGE LESS THAN 0.9500:	59159	NEVADA#113.2	0.9450	1.0059	Generation	
		59256	KAMOTP 269.0	0.8801	0.9456	Generation	
		59257	ELDRDO 269.0	0.8776	0.9433	Generation	
		59258	WALKER 269.0	0.9027	0.9666	Generation	
		59259	DEDRCK 269.0	0.8892	0.9540	Generation	
		59307	NEVPLT 269.0	0.9413	1.0015	Generation	
		59308	NEVADA 269.0	0.9450	1.0059	Generation	
		59309	METZ 269.0	0.9141	0.9772	Generation	
		59310	3M 269.0	0.9052	0.9688	Generation	
		59311	NEVJCT 269.0	0.9389	0.9992	Generation	
		59312	LAMAR 269.0	0.8989	0.9619	Generation	
59209	[SEDALIAS161.00] TO BUS 59217 [WINDSR 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59209	SEDALIAS 161	0.9437	0.9683	Acceptable	
		59241	SEDEAST5 161	0.9486	0.9701	Acceptable	
59210	[MARTCTY5161.00] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59286	GRDWST 269.0	0.9487	1.0100	Acceptable	
		59287	MARTCTY269.0	0.9487	1.0189	Acceptable	
		59288	RGAFB 269.0	0.9465	0.9844	Acceptable	
		59289	BELTON 269.0	0.9455	0.9805	Acceptable	
		59290	BELTONS269.0	0.9450	0.9757	Acceptable	
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59159	NEVADA#113.2	0.8986	1.0059	Not Valid	
		59208	NEVADA 5 161	0.8569	0.9452	Not Valid	
		59216	BUTLER_5 161	0.8515	0.9692	Not Valid	
		59256	KAMOTP 269.0	0.8298	0.9456	Not Valid	
		59257	ELDRDO 269.0	0.8272	0.9433	Not Valid	
		59258	WALKER 269.0	0.8538	0.9666	Not Valid	
		59259	DEDRCK 269.0	0.8394	0.9540	Not Valid	
		59305	URICH 269.0	0.9493	0.9981	Not Valid	
		59306	APCITY 269.0	0.9260	0.9948	Not Valid	
		59307	NEVPLT 269.0	0.8953	1.0015	Not Valid	
		59308	NEVADA 269.0	0.8986	1.0059	Not Valid	
		59309	METZ 269.0	0.8659	0.9772	Not Valid	
		59310	3M 269.0	0.8565	0.9688	Not Valid	
		59311	NEVJCT 269.0	0.8927	0.9992	Not Valid	
		59312	LAMAR 269.0	0.8504	0.9619	Not Valid	
59225	[PHILL 5161.00] TO BUS 59280 [PHILL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59290	BELTONS269.0	0.9467	0.9757	Upgrade	
59228	[WBURGE 5161.00] TO BUS 59229 [ODESSA 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:	59228	WBURGE 5 161	0.9299	0.9600	Acceptable	
		59234	WAFB 5 161	0.9347	0.9609	Acceptable	
59229	[ODESSA 5161.00] TO BUS 59267 [ODESSA 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59267	ODESSA 269.0	0.9285	1.0147	Acceptable	
59239	[HSNVL 5161.00] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59289	BELTON 269.0	0.9499	0.9805	Acceptable	
		59290	BELTONS269.0	0.9416	0.9757	Acceptable	
		59291	FREEMAN269.0	0.9195	0.9876	Acceptable	
		59292	ANCONDA269.0	0.9183	1.0047	Acceptable	
		59293	HSNVLW 269.0	0.9184	1.0059	Acceptable	
		59294	HSNVLS 269.0	0.9188	1.0092	Acceptable	
		59295	HSNVL 269.0	0.9205	1.0148	Acceptable	
		59296	HSNVLSW269.0	0.9221	1.0104	Acceptable	
		59297	HSNVLN 269.0	0.9263	1.0053	Acceptable	
		59298	GRDNCTY269.0	0.9185	1.0071	Acceptable	
		59299	SNCLRPS269.0	0.9185	1.0071	Acceptable	
59261	[LBRTYWT269.000] TO BUS 59262 [LIBERTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:	59261	LBRTYWT269.0	1.0596	1.0139	LTC	
59269	[WBURGE 269.000] TO BUS 59270 [KNOSTER269.000] CKT 1 VOLTAGE LESS THAN 0.9500:	59270	KNOSTER269.0	0.9483	0.9997	Acceptable	

VOLTAGE REPORT TABLE

OUTAGED BRANCH	(	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
59280 [PHILL 269.000] TO BUS 59290 [BELTONS269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59288 RGAFB 269.0	0.9178	0.9844 Upgrade
			59289 BELTON 269.0	0.9093	0.9805 Upgrade
			59290 BELTONS269.0	0.8969	0.9757 Upgrade
			59291 FREEMAN269.0	0.9381	0.9876 Upgrade
59284 [GRDVWTP269.000] TO BUS 59285 [GRDWCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59287 MARTCTY269.0	1.0558	1.0189 LTC
59284 [GRDVWTP269.000] TO BUS 59288 [RGAFB 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59288 RGAFB 269.0	0.9139	0.9844 Acceptable
			59289 BELTON 269.0	0.9147	0.9805 Acceptable
			59290 BELTONS269.0	0.9174	0.9757 Acceptable
			59291 FREEMAN269.0	0.9478	0.9876 Acceptable
59285 [GRDWCTY269.000] TO BUS 59286 [GRDWST 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59286 GRDWST 269.0	1.0723	1.0100 LTC
			59287 MARTCTY269.0	1.0761	1.0189 LTC
59286 [GRDWST 269.000] TO BUS 59287 [MARTCTY269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59287 MARTCTY269.0	1.1039	1.0189 LTC
		VOLTAGE LESS THAN 0.9500:	59286 GRDWST 269.0	0.9486	1.0100 Acceptable
			59288 RGAFB 269.0	0.9464	0.9844 Acceptable
			59289 BELTON 269.0	0.9454	0.9805 Acceptable
			59290 BELTONS269.0	0.9449	0.9757 Acceptable
59288 [RGAFB 269.000] TO BUS 59289 [BELTON 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59289 BELTON 269.0	0.9290	0.9805 Acceptable
			59290 BELTONS269.0	0.9303	0.9757 Acceptable
59289 [BELTON 269.000] TO BUS 59290 [BELTONS269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59290 BELTONS269.0	0.9429	0.9757 Acceptable
59291 [FREEMAN269.000] TO BUS 59292 [ANCONDA269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59291 FREEMAN269.0	0.9402	0.9876 Acceptable
59292 [ANCONDA269.000] TO BUS 59293 [HSNVLW 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59291 FREEMAN269.0	0.9392	0.9876 Acceptable
			59292 ANCONDA269.0	0.9386	1.0047 Acceptable
59293 [HSNVLW 269.000] TO BUS 59294 [HSNVLS 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59291 FREEMAN269.0	0.9301	0.9876 Acceptable
			59292 ANCONDA269.0	0.9265	1.0047 Acceptable
			59293 HSNVLW 269.0	0.9263	1.0059 Acceptable
59294 [HSNVLS 269.000] TO BUS 59295 [HSNVL 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59290 BELTONS269.0	0.9496	0.9757 Upgrade
			59291 FREEMAN269.0	0.9106	0.9876 Upgrade
			59292 ANCONDA269.0	0.9005	1.0047 Upgrade
			59293 HSNVLW 269.0	0.8999	1.0059 Upgrade
			59294 HSNVLS 269.0	0.8989	1.0092 Upgrade
59301 [CLNTPLT269.000] TO BUS 59304 [URICHTP269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59256 KAMOTP 269.0	0.9208	0.9456 Acceptable
			59257 ELDRDO 269.0	0.9184	0.9433 Acceptable
			59258 WALKER 269.0	0.9424	0.9666 Acceptable
			59259 DEDRCK 269.0	0.9294	0.9540 Acceptable
			59304 URICHTP269.0	0.9397	1.0015 Acceptable
			59305 URICH 269.0	0.9361	0.9981 Acceptable
			59306 APCITY 269.0	0.9437	0.9948 Acceptable
			59310 3M 269.0	0.9447	0.9688 Acceptable
			59312 LAMAR 269.0	0.9358	0.9619 Acceptable
59307 [NEVPLT 269.000] TO BUS 59308 [NEVADA 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59159 NEVADA#113.2	1.0621	1.0059 LTC
			59308 NEVADA 269.0	1.0621	1.0059 LTC
		VOLTAGE LESS THAN 0.9500:	59304 URICHTP269.0	0.8622	1.0015 Switch
			59305 URICH 269.0	0.8582	0.9981 Switch
			59306 APCITY 269.0	0.7815	0.9948 Switch
			59307 NEVPLT 269.0	0.6330	1.0015 Switch
			59311 NEVJCT 269.0	0.6292	0.9992 Switch
			59312 LAMAR 269.0	0.5707	0.9619 Switch
59308 [NEVADA 269.000] TO BUS 59309 [METZ 269.000] CKT 1 VOLTAGE GREATER THAN 1.0500:			59159 NEVADA#113.2	1.1002	1.0059 LTC
			59307 NEVPLT 269.0	1.0942	1.0015 LTC
			59308 NEVADA 269.0	1.1002	1.0059 LTC
			59311 NEVJCT 269.0	1.0922	0.9992 LTC
			59312 LAMAR 269.0	1.0586	0.9619 LTC

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
59309	[METZ 269.000] TO BUS 59310 [3M 269.000]	CKT 1	VOLTAGE GREATER THAN 1.0500:	59159	NEVADA#113.2	1.0805	1.0059 LTC
				59258	WALKER 269.0	1.0643	0.9666 LTC
				59259	DEDRCK 269.0	1.0529	0.9540 LTC
				59307	NEVPLT 269.0	1.0748	1.0015 LTC
				59308	NEVADA 269.0	1.0805	1.0059 LTC
				59309	METZ 269.0	1.0737	0.9772 LTC
				59311	NEVJCT 269.0	1.0728	0.9992 LTC
59217	[WINDSR 5161.00] TO BUS 96071 [5CLINTN 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59209	SEDALIAS 161	0.9412	0.9683 Acceptable
				59217	WINDSR 5 161	0.9388	0.9898 Acceptable
				59241	SEDEAST5 161	0.9464	0.9701 Acceptable
59241	[SEDEAST5161.00] TO BUS 31409 [OVERTON 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59241	SEDEAST5 161	0.9473	0.9701 Acceptable
59242	[CLINTON5161.00] TO BUS 96071 [5CLINTN 161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59159	NEVADA#113.2	0.9209	1.0059 Accept Risk
				59208	NEVADA 5 161	0.9116	0.9452 Accept Risk
				59228	WBURGE 5 161	0.9347	0.9600 Accept Risk
				59234	WAFB 5 161	0.9394	0.9609 Accept Risk
				59242	CLINTON5 161	0.7093	1.0094 Accept Risk
				59256	KAMOTP 269.0	0.8538	0.9456 Accept Risk
				59257	ELDRDO 269.0	0.8512	0.9433 Accept Risk
				59258	WALKER 269.0	0.8772	0.9666 Accept Risk
				59259	DEDRCK 269.0	0.8632	0.9540 Accept Risk
				59268	WBURGP 269.0	0.9357	1.0085 Accept Risk
				59300	POSTOAK269.0	0.8269	1.0045 Accept Risk
				59301	CLNTPLT269.0	0.7477	1.0134 Accept Risk
				59302	CLNTORN269.0	0.7454	1.0136 Accept Risk
				59303	CLINTON269.0	0.7469	1.0188 Accept Risk
				59304	URICHTP269.0	0.7742	1.0015 Accept Risk
				59305	URICH 269.0	0.7698	0.9981 Accept Risk
				59306	APCITY 269.0	0.8051	0.9948 Accept Risk
				59307	NEVPLT 269.0	0.9107	1.0015 Accept Risk
				59308	NEVADA 269.0	0.9209	1.0059 Accept Risk
				59309	METZ 269.0	0.8890	0.9772 Accept Risk
				59310	3M 269.0	0.8798	0.9688 Accept Risk
				59311	NEVJCT 269.0	0.9082	0.9992 Accept Risk
				59312	LAMAR 269.0	0.8665	0.9619 Accept Risk
CONTINGENCY SPP-12							
59207	[ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59159	NEVADA#113.2	0.9021	1.0059 Generation
59216	[BUTLER_5161.00] TO BUS 59240 [ADRIAN 5161.00]	CKT 1		59208	NEVADA 5 161	0.8609	0.9452 Generation
59208	[NEVADA 5161.00] TO BUS 59216 [BUTLER_5161.00]	CKT 1		59216	BUTLER_5 161	0.8175	0.9692 Generation
				59256	KAMOTP 269.0	0.8333	0.9456 Generation
				59257	ELDRDO 269.0	0.8307	0.9433 Generation
				59258	WALKER 269.0	0.8573	0.9666 Generation
				59259	DEDRCK 269.0	0.8429	0.9540 Generation
				59305	URICH 269.0	0.9499	0.9981 Generation
				59306	APCITY 269.0	0.9273	0.9948 Generation
				59307	NEVPLT 269.0	0.8987	1.0015 Generation
				59308	NEVADA 269.0	0.9021	1.0059 Generation
				59309	METZ 269.0	0.8694	0.9772 Generation
				59310	3M 269.0	0.8600	0.9688 Generation
				59311	NEVJCT 269.0	0.8962	0.9992 Generation
				59312	LAMAR 269.0	0.8538	0.9619 Generation

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X---- BUS ----X)	V-CONT	V-INIT
				59580 REP359 269.0	0.9310	0.9516 above .90
				59584 BOL367 269.0	0.8817	1.0001 capacitor 69kv
				59586 WIL445 269.0	0.9252	0.9734 above .90
				59587 STR370 269.0	0.8893	0.9615 capacitor 69kv
				59596 FRG397 269.0	0.8886	0.9640 capacitor 69kv
				59612 BOL602 269.0	0.8852	0.9973 capacitor 69kv
				59635 FRP217 134.5	0.9486	1.0213 above .90
				59637 HUM308 134.5	0.9201	0.9719 above .90
				59639 DUN283 134.5	0.9337	0.9960 above .90
				59640 COL318 134.5	0.8972	0.9503 provide solut.
				59691 WIL369 269.0	0.9225	0.9708 above .90
59468	[AUR124 5161.00] TO BUS 59473 [RDS295 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59473 RDS295 5 161	0.9113	0.9343 above .90
59468	[AUR124 5161.00] TO BUS 59480 [MON383 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59424 RES364 269.0	0.9457	0.9666 above .90
				59468 AUR124 5 161	0.9359	0.9576 above .90
				59553 ALB262 269.0	0.9487	0.9695 above .90
				59577 MTV351 269.0	0.9472	0.9692 above .90
				59606 MTV420 269.0	0.9482	0.9704 above .90
59469	[RIV167 5161.00] TO BUS 59487 [HOC404 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59416 CHE299T134.5	0.8656	0.8955 provide solut.
				59417 CHE299 134.5	0.8609	0.8909 provide solut.
				59418 CHE300 134.5	0.8650	0.8948 provide solut.
				59419 TWN388 134.5	0.8639	0.8938 provide solut.
				59420 WEL186 134.5	0.8372	0.8681 provide solut.
				59486 HOC404 4 138	0.9409	0.9765 above .90
				59487 HOC404 5 161	0.9352	0.9737 above .90
59474	[OZD312 5161.00] TO BUS 59562 [OZD312 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59562 OZD312 269.0	0.9195	1.0123 above .90
				59603 FOR410 269.0	0.9195	1.0101 above .90
59478	[DAD368 5161.00] TO BUS 59493 [BOL431 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:			59434 BUF409 269.0	0.9374	0.9614 above .90
				59575 BUF342 269.0	0.9460	0.9698 above .90
				59637 HUM308 134.5	0.9444	0.9719 above .90
				59640 COL318 134.5	0.9222	0.9503 above .90
59478	[DAD368 5161.00] TO BUS 59585 [DAD368 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59436 CUPTAP 269.0	0.9490	1.0076 above .90
				59437 CUPSUB 269.0	0.9484	1.0071 above .90
				59536 ASH121 269.0	0.9444	0.9797 above .90
				59585 DAD368 269.0	0.9499	1.0135 above .90
				59586 WIL445 269.0	0.9446	0.9734 above .90
				59637 HUM308 134.5	0.9408	0.9719 above .90
				59640 COL318 134.5	0.9185	0.9503 above .90
				59691 WIL369 269.0	0.9419	0.9708 above .90
59480	[MON383 5161.00] TO BUS 59591 [MON383 269.000] CKT 1 VOLTAGE LESS THAN 0.9500:			59400 MON376J269.0	0.8835	0.9746 capacitor 69kv
				59401 MON376 269.0	0.8820	0.9732 capacitor 69kv
				59402 MON416J269.0	0.8763	0.9681 capacitor 69kv
				59403 MON416 269.0	0.8759	0.9677 capacitor 69kv
				59404 PUR390 269.0	0.8461	0.9410 capacitor 69kv
				59405 MON352J269.0	0.9106	0.9986 above .90
				59406 MON352 269.0	0.9104	0.9984 above .90
				59407 MON311J269.0	0.9089	0.9970 above .90
				59408 MON311 269.0	0.9087	0.9969 above .90
				59421 GNB347J269.0	0.9481	0.9756 above .90
				59422 GNB347 269.0	0.9340	0.9619 above .90
				59423 DIA242 269.0	0.9475	0.9750 above .90
				59430 SAR362 269.0	0.9235	0.9760 above .90
				59540 MON152 269.0	0.9181	1.0001 above .90
				59544 WEN205 269.0	0.9261	0.9861 above .90
				59582 SAR362T269.0	0.9309	0.9831 above .90
				59591 MON383 269.0	0.9160	1.0035 above .90

VOLTAGE REPORT TABLE

OUTAGED BRANCH		VOLTAGE RANGE		(X---- BUS ----X)	V-CONT	V-INIT
59484	[DEC392 5161.00] TO BUS 59594 [DEC392 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59569 DEC326 269.0	0.9463	1.0020 above .90
				59594 DEC392 269.0	0.9463	1.0056 above .90
59487	[HOC404 5161.00] TO BUS 59601 [HOC404 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59409 SCAM66 269.0	0.9412	0.9776 above .90
				59410 COL282T269.0	0.9421	0.9785 above .90
				59411 COL282 269.0	0.9359	0.9725 above .90
				59412 SEK225T269.0	0.9399	0.9765 above .90
				59413 SEK225 269.0	0.9398	0.9763 above .90
				59414 SMN425 269.0	0.9381	0.9747 above .90
				59415 SHR444 269.0	0.9388	0.9754 above .90
				59416 CHE299T134.5	0.8411	0.8955 provide solut.
				59417 CHE299 134.5	0.8363	0.8909 provide solut.
				59418 CHE300 134.5	0.8404	0.8948 provide solut.
				59419 TWN388 134.5	0.8394	0.8938 provide solut.
				59420 WEL186 134.5	0.8122	0.8681 provide solut.
				59427 COM381 269.0	0.9382	0.9859 above .90
				59530 COL 94 269.0	0.9476	0.9838 above .90
				59579 COM381T269.0	0.9469	0.9941 above .90
				59590 QUA377 269.0	0.9459	0.9956 above .90
				59601 HOC404 269.0	0.9482	1.0008 above .90
				59636 BAX271 134.5	0.9485	0.9963 above .90
59488	[BRN412 5161.00] TO BUS 59492 [RDS424 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59492 RDS424 5 161	0.9103	0.9318 above .90
59489	[BRN413 5161.00] TO BUS 59497 [RVS438 5161.00]	CKT 1	VOLTAGE LESS THAN 0.9500:	59489 BRN413 5 161	0.9213	0.9427 above .90
59496	[NOL435 5161.00] TO BUS 59610 [NOL435 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59428 SWC414 269.0	0.9384	0.9761 above .90
59524	[NEO 56 269.000] TO BUS 59563 [LIN314 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59524 NEO 56 269.0	0.9404	0.9781 above .90
59528	[BOL 73 269.000] TO BUS 59575 [BUF342 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59432 BUF243J269.0	0.8896	0.9658 capacitor 69kv
				59433 STRKAMO269.0	0.9249	0.9611 above .90
				59434 BUF409 269.0	0.8636	0.9614 capacitor 69kv
				59547 BUF243 269.0	0.8894	0.9656 capacitor 69kv
				59572 FGC333 269.0	0.8937	0.9656 capacitor 69kv
				59575 BUF342 269.0	0.8731	0.9698 capacitor 69kv
				59587 STR370 269.0	0.9195	0.9615 above .90
				59596 FRG397 269.0	0.9199	0.9640 above .90
59528	[BOL 73 269.000] TO BUS 59584 [BOL367 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59545 FRP217 269.0	0.9454	0.9995 above .90
				59584 BOL367 269.0	0.9131	1.0001 above .90
				59612 BOL602 269.0	0.9154	0.9973 above .90
				59637 HUM308 134.5	0.9361	0.9719 above .90
				59640 COL318 134.5	0.9136	0.9503 above .90
59529	[SED 80 269.000] TO BUS 59596 [FRG397 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59432 BUF243J269.0	0.9449	0.9658 above .90
				59433 STRKAMO269.0	0.9392	0.9611 above .90
				59547 BUF243 269.0	0.9447	0.9656 above .90
				59572 FGC333 269.0	0.9434	0.9656 above .90
				59587 STR370 269.0	0.9358	0.9615 above .90
				59596 FRG397 269.0	0.9368	0.9640 above .90
59532	[CAR108 269.000] TO BUS 59533 [ATL109 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59532 CAR108 269.0	0.9466	0.9780 above .90
				59599 JAS403 269.0	0.9462	0.9728 above .90
				59600 JAS403T269.0	0.9469	0.9734 above .90
59536	[ASH121 269.000] TO BUS 59585 [DAD368 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59536 ASH121 269.0	0.9407	0.9797 above .90
				59552 LAW260 269.0	0.9476	0.9735 above .90
				59586 WIL445 269.0	0.9432	0.9734 above .90
				59691 WIL369 269.0	0.9404	0.9708 above .90
59536	[ASH121 269.000] TO BUS 59586 [WIL445 269.000]	CKT 1	VOLTAGE LESS THAN 0.9500:	59586 WIL445 269.0	0.9458	0.9734 above .90
				59691 WIL369 269.0	0.9431	0.9708 above .90

VOLTAGE REPORT TABLE

	OUTAGED BRANCH			(	VOLTAGE RANGE	)	(X---- BUS ----X)	V-CONT	V-INIT
59537	[AUR124 269.000] TO BUS 59578	[AUR355 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59424	RES364 269.0	0.9320		0.9666	above .90
					59552 LAW260 269.0	0.9487		0.9735	above .90
					59553 ALB262 269.0	0.9351		0.9695	above .90
					59573 HTC338 269.0	0.9407		0.9711	above .90
					59577 MTV351 269.0	0.9197		0.9692	above .90
					59578 AUR355 269.0	0.9078		0.9855	above .90
					59606 MTV420 269.0	0.9183		0.9704	above .90
59537	[AUR124 269.000] TO BUS 59611	[MAR437 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59611	MAR437 269.0	0.9355		0.9736	above .90
59538	[DIA131 269.000] TO BUS 59595	[RNM393 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59421	GNB347J269.0	0.9108		0.9756	above .90
					59422 GNB347 269.0	0.8962		0.9619	capacitor 69kv
					59423 DIA242 269.0	0.9102		0.9750	above .90
					59430 SAR362 269.0	0.9319		0.9760	above .90
					59538 DIA131 269.0	0.9169		0.9814	above .90
					59544 WEN205 269.0	0.9499		0.9861	above .90
					59582 SAR362T269.0	0.9393		0.9831	above .90
59541	[RIV167 269.000] TO BUS 59602	[RIV406 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59416	CHE299T134.5	0.8705		0.8955	provide solut.
					59417 CHE299 134.5	0.8658		0.8909	provide solut.
					59418 CHE300 134.5	0.8699		0.8948	provide solut.
					59419 TWN388 134.5	0.8688		0.8938	provide solut.
					59420 WEL186 134.5	0.8425		0.8681	provide solut.
					59429 BAX291 269.0	0.9474		0.9824	above .90
59542	[NIC170 269.000] TO BUS 59576	[REP345 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59576	REP345 269.0	0.9365		0.9586	above .90
59543	[NEO184 269.000] TO BUS 59560	[ROC296 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59560	ROC296 269.0	0.9377		0.9776	above .90
					59597 NEO398 269.0	0.9397		0.9776	above .90
59543	[NEO184 269.000] TO BUS 59563	[LIN314 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59426	SEN375 269.0	0.9304		0.9667	above .90
					59524 NEO 56 269.0	0.9063		0.9781	above .90
					59563 LIN314 269.0	0.9041		0.9812	above .90
					59589 RAC375 269.0	0.9467		0.9823	above .90
59544	[WEN205 269.000] TO BUS 59591	[MON383 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59430	SAR362 269.0	0.9441		0.9760	above .90
59545	[FRP217 269.000] TO BUS 59635	[FRP217 134.500]	CKT 1 VOLTAGE LESS THAN 0.9500:	59635	FRP217 134.5	0.8416		1.0213	provide solut.
					59637 HUM308 134.5	0.8432		0.9719	provide solut.
					59639 DUN283 134.5	0.8417		0.9960	provide solut.
					59640 COL318 134.5	0.8178		0.9503	provide solut.
					59641 CAP304 134.5	0.9421		1.0105	above .90
59546	[BIL221 269.000] TO BUS 59580	[REP359 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59542	NIC170 269.0	0.9399		0.9718	above .90
					59576 REP345 269.0	0.8957		0.9586	capacitor 69kv
					59580 REP359 269.0	0.8731		0.9516	capacitor 69kv
59554	[BAX271 269.000] TO BUS 59601	[HOC404 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59411	COL282 269.0	0.9463		0.9725	above .90
					59414 SMN425 269.0	0.9485		0.9747	above .90
					59415 SHR444 269.0	0.9492		0.9754	above .90
					59416 CHE299T134.5	0.8565		0.8955	provide solut.
					59417 CHE299 134.5	0.8518		0.8909	provide solut.
					59418 CHE300 134.5	0.8558		0.8948	provide solut.
					59419 TWN388 134.5	0.8548		0.8938	provide solut.
					59420 WEL186 134.5	0.8281		0.8681	provide solut.
59561	[NOL443 269.000] TO BUS 59610	[NOL435 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59561	NOL443 269.0	0.9400		0.9875	above .90
					59566 AND322 269.0	0.9474		0.9822	above .90
59562	[OZD312 269.000] TO BUS 59603	[FOR410 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59603	FOR410 269.0	0.9196		1.0101	above .90
59568	[STK324 269.000] TO BUS 59616	[STK631J269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59568	STK324 269.0	0.9064		0.9981	above .90
					59637 HUM308 134.5	0.9314		0.9719	above .90
					59638 STK324 134.5	0.9307		1.0317	above .90
					59640 COL318 134.5	0.9096		0.9503	above .90
					59641 CAP304 134.5	0.9306		1.0105	above .90

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	) (	VOLTAGE RANGE	) (X----	BUS ----X)	V-CONT	V-INIT
59568	[STK324 269.000] TO BUS 59638	[STK324 134.500]	CKT 1 VOLTAGE LESS THAN 0.9500:	59637	HUM308 134.5	0.9254	0.9719 above .90
				59638	STK324 134.5	0.9236	1.0317 above .90
				59640	COL318 134.5	0.9027	0.9503 above .90
				59641	CAP304 134.5	0.9235	1.0105 above .90
59569	[DEC326 269.000] TO BUS 59594	[DEC392 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59569	DEC326 269.0	0.9461	1.0020 above .90
59570	[OZK330 269.000] TO BUS 59604	[BHK415 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59570	OZK330 269.0	0.8515	0.9824 provide solut
				59609	OZK434 269.0	0.8567	0.9791 provide solut
59570	[OZK330 269.000] TO BUS 59609	[OZK434 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59609	OZK434 269.0	0.9372	0.9791 above .90
59577	[MTV351 269.000] TO BUS 59606	[MTV420 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59577	MTV351 269.0	0.9482	0.9692 above .90
59578	[AUK355 269.000] TO BUS 59606	[MTV420 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59577	MTV351 269.0	0.9409	0.9692 above .90
				59606	MTV420 269.0	0.9406	0.9704 above .90
59587	[STR370 269.000] TO BUS 59596	[FRG397 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59433	STRKAMO269.0	0.9172	0.9611 above .90
				59587	STR370 269.0	0.9107	0.9615 above .90
59589	[RAC375 269.000] TO BUS 59592	[JOP389 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59426	SEN375 269.0	0.9370	0.9667 above .90
59590	[QUA377 269.000] TO BUS 59601	[HOC404 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59427	COM381 269.0	0.8938	0.9859 capacitor 69kv
				59579	COM381T269.0	0.9028	0.9941 above .90
				59590	QUA377 269.0	0.9000	0.9956 capacitor 69kv
59598	[LKW400 269.000] TO BUS 59613	[GRN614 269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59548	BOS249 269.0	0.9474	0.9737 above .90
				59550	GLD251 269.0	0.9390	0.9739 above .90
				59598	LKW400 269.0	0.9340	0.9778 above .90
59605	[STK418 269.000] TO BUS 59614	[SK631CJ269.000]	CKT 1 VOLTAGE LESS THAN 0.9500:	59548	BOS249 269.0	0.9409	0.9737 above .90
				59549	ARC250 269.0	0.9151	0.9908 above .90
				59550	GLD251 269.0	0.9313	0.9739 above .90
				59568	STK324 269.0	0.9052	0.9981 above .90
				59598	LKW400 269.0	0.9259	0.9778 above .90
				59613	GRN614 269.0	0.9257	0.9830 above .90
				59614	SK631CJ269.0	0.9044	0.9989 above .90
				59616	STK631J269.0	0.9053	0.9982 above .90
				59637	HUM308 134.5	0.9266	0.9719 above .90
				59638	STK324 134.5	0.9380	1.0317 above .90
				59640	COL318 134.5	0.9045	0.9503 above .90
				59641	CAP304 134.5	0.9340	1.0105 above .90
59635	[FRP217 134.500] TO BUS 59639	[DUN283 134.500]	CKT 1 VOLTAGE GREATER THAN 1.0500:	59635	FRP217 134.5	1.0589	1.0213 above .90
			VOLTAGE LESS THAN 0.9500:	59637	HUM308 134.5	0.8421	0.9719 provide solut.
				59639	DUN283 134.5	0.8405	0.9960 provide solut.
				59640	COL318 134.5	0.8167	0.9503 provide solut.
				59641	CAP304 134.5	0.9415	1.0105 above .90
59637	[HUM308 134.500] TO BUS 59639	[DUN283 134.500]	CKT 1 VOLTAGE GREATER THAN 1.0500:	59635	FRP217 134.5	1.0591	1.0213 above .90
			VOLTAGE LESS THAN 0.9500:	59639	DUN283 134.5	1.0580	0.9960 above .90
				59637	HUM308 134.5	0.8491	0.9719 provide solut.
				59640	COL318 134.5	0.8239	0.9503 provide solut.
				59641	CAP304 134.5	0.9446	1.0105 above .90
59637	[HUM308 134.500] TO BUS 59641	[CAP304 134.500]	CKT 1 VOLTAGE LESS THAN 0.9500:	59637	HUM308 134.5	0.9322	0.9719 above .90
				59640	COL318 134.5	0.9104	0.9503 above .90
59638	[STK324 134.500] TO BUS 59641	[CAP304 134.500]	CKT 1 VOLTAGE LESS THAN 0.9500:	59637	HUM308 134.5	0.9305	0.9719 above .90
				59640	COL318 134.5	0.9087	0.9503 above .90
				59641	CAP304 134.5	0.9291	1.0105 above .90
59484	[DEC392 5161.00] TO BUS 53139	[FLINTCR5161.00]	CKT 1 VOLTAGE LESS THAN 0.9500:	59428	SWC414 269.0	0.9247	0.9761 above .90
				59484	DEC392 5 161	0.9386	1.0164 above .90
				59496	NOL435 5 161	0.9429	0.9928 above .90
				59561	NOL443 269.0	0.9395	0.9875 above .90
				59566	AND322 269.0	0.9429	0.9822 above .90
				59569	DEC326 269.0	0.9297	1.0020 above .90

CONTINUED ON NEXT PAGE

VOLTAGE REPORT TABLE

(	OUTAGED BRANCH	)	(	VOLTAGE RANGE	)	(X----	BUS	----X)	V-CONT	V-INIT
59497	[RVS438 5161.00] TO BUS 52672 [TABLE R5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:								0.9406	0.9912 above .90
59605	[STK418 269.000] TO BUS 96118 [5STKABC 161.00] CKT 1 VOLTAGE LESS THAN 0.9500:								0.9410	0.9717 above .90
CONTINGENCY SPP-12	59207 [ARCHIE 5161.00] TO BUS 59240 [ADRIAN 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:								0.9414	0.9614 above .90
2010 SUMMER PEAK - ST. JOSEPH LIGHT AND POWER - AREA 679	69703 [ST JOE 5161.00] TO BUS 69708 [WOODBINS 5161.00] CKT 1 VOLTAGE LESS THAN 0.9500:								0.9482	0.9990 Acceptable

