

2001 Spring Peak											
From	To	Analysis Side-Transfer Level	New FCITC	Base FCITC	Limiting Facility	Initial Flow	Limit	Study Flow	OTDF	Outaged Facility	Solutions From To
LIE & SLP	MPS	Export - 200			No Limits Found						
		Import - 200			No Limits Found						
MPS & EDE	SLP	Export - 200			No Limits Found						
		Import - 200			No Limits Found						
MPS & SLP	EDE	Export - 200			No Limits Found						
		Import - 200			No Limits Found						

MUST Generation Scenario Analysis - 2000/01 Winter Peak											
From	To	Analysis Side-Transfer Level	New FCITC	Base FCITC	Limiting Facility	Initial Flow	Limit	Study Flow	OTDF	Outaged Facility	Solutions
EDE & SLP	MP3	Export - 200			No Limits Found						From To
		Import - 200			No Limits Found						
MP3 & EDE	SLP	Export - 200			No Limits Found						
		Import - 200			No Limits Found						
MP3 & SLP	EDE	Export - 200			No Limits Found						
		Import - 200			No Limits Found						

From	To	Analysis Side-Transfer Level	New FCITC	Base FCITC	Limiting Facility	2001 Fall Peak	Netbal Flow	Limit	Study Flow	OTDR	Outaged Facility	Solutions	From To
EDS & SLP	SLP	Export - 200			No Limits Found								
		Import - 200			No Limits Found								
		Export - 200			No Limits Found								
		Import - 200			No Limits Found								
		Export - 200			No Limits Found								
		Import - 200			No Limits Found								

2001 April Minimum											
From	To	Analysis Side-Transfer Level	New FCITC	Base FCITC	Limiting Facility	Initial Flow	Limit	Study Flow	OTDF	Outaged Facility	Solutions
EDE & SLP	MPS	Export - 200			No Limits Found						
		Import - 200			No Limits Found						
MPS & EDE	SLP	Export - 200	00	1175	50081 GLENARE200 0 50202 LIBERTY200 0 1	0	-60	2.7	-0.0941	50202 SIBLEY 5 101 50203 SIBLEY 200 0 1	New Overload - Possible OP Guide to Limit Generation at Sibley
		Import - 114			No Limits Found						KACP,MIPU
MPS & SLP	EDE	Export - 200	00	773	50081 GLENARE200 0 50202 LIBERTY200 0 1	0	-60	-0.6	-0.097	50202 SIBLEY 5 101 50203 SIBLEY 200 0 1	New Overload - Possible OP Guide to Limit Generation at Sibley
		Import - 200			No Limits Found						KACP,MIPU

OM To Analysis Side-Transfer Level	New FCITC Base FCITC	Limiting Facility	Initial Flow Limit Study Flow OTDF Outaged Facility Solutions From To
1. SAMP IAWS	Import - 200	No Limits Found	
2. SAMP IAWS	Export - 200	No Limits Found	
3. SAMP IAWS	Import - 200	No Limits Found	
4. SAMP IAWS	Export - 200	No Limits Found	
5. SAMP IAWS	Import - 200	No Limits Found	
6. SAMP IAWS	Export - 200	No Limits Found	
7. SAMP IAWS	Import - 200	No Limits Found	
8. SAMP IAWS	Export - 200	No Limits Found	
9. SAMP IAWS	Import - 200	No Limits Found	
10. SAMP IAWS	Export - 200	No Limits Found	

From	To	Analysis Side	Transfer Level	New FCITC	Base FCITC	Building Facility	2000 In Peak	Initial Flow	Limit	Study Flow	OTDP Outaged Facility	Solutions	From To
EDE & SLP	MPS	Export	200			No Limits Found							
		Import	200			No Limits Found							
MPS & EDE	SLP	Export	200			No Limits Found							
		Import	200			No Limits Found							
MPS & SLP	EDE	Export	200			No Limits Found							
		Import	200			No Limits Found							



System Impact Study for
Transmission Service Requests
from

UTILICORP UNITED

(WestPlains Energy-Kansas)

SPP TRANSMISSION REQUEST # 163523
TRANSACTION PERIOD 10/01/00 - 10/01/10

SPP-2000-007

April 20, 2000

SPP Transmission Planning

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	B. INTER-AREA TRANSFER DATA	04SP-1
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	E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RATING SET A:	04SP-3
	F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:	04SP-3
	G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:	04SP-3
	H. ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT	04SP-(4-6)
11.	2004 WINTER PEAK	04WP-1
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	B. INTER-AREA TRANSFER DATA	04WP-1
	C. GENERATOR UNIT DATA	04WP-1
	D. TRANSFORMER DATA	04WP-2
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	H. ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT	04WP-4

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13.	2006 WINTER PEAK	06WP-1
	A. AREA TOTALS	06WP-1
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	F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:	06WP-3
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	E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RATING SET A:	10SP-3
	F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:	10SP-3
	G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:	10SP-3
	H. ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED	
	ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT	10SP-(4-8)

I. Executive Summary

Southwest Power Pool evaluated the impacts of the 10 year network service request (#163522) for WestPlains Energy - UtiliCorp. Multiple cases were developed and reviewed during the analysis portion of the study. The engineering results of the study show that one facility upgrade is required to accommodate the requested transmission service from the designated resources to the designated load as early as the summer of 2004. Two transformers overload with the contingency of a parallel one in multiple cases. Numerous voltage conditions were reviewed with all of them meeting UtiliCorp Criteria, eliminated though a generation redispatch, or by transformer tap changing. A summary of these results are provided in Section V. Detailed engineering data is provided for completeness in section IV.

II. Introduction

UTILICORP UNITED has requested a System Impact Study (#163522) for its four operating companies: WEPL, MIPU, SJPL, and EMDE. The three Missouri companies are to be considered one control area and the Kansas company a separate control area. This report deals only with WEPL. The period of the study is from 10/01/00 to 10/01/10.

The principal objective of this study is to identify system problems that will need to be upgraded in order to maintain system reliability.

III. Study Methodology

1. Description

This study was done in two separate parts. The first part was to study the 14 base cases to see what overloads or voltage problems exist. In the second part, one branch or selected multiple branches were removed to study the affect of their removal on the system. The SPP base case models were modified to reflect the most current modeling information.

The steady-state analysis part was done to ensure current SPP Criteria and NERC Planning Standards requirements are fulfilled.

The Southwest Power Pool (SPP) meets the NERC Planning Standards, Table No. 1, which provides the requirements related to thermal overloads with a contingency. It requires that all facilities be within emergency ratings after a contingency.

2. Model Updates

Cases for year 2000 Spring Peak, 2000 Summer Peak, 2000 Fall Peak, 2000/01 Winter Peak, 2001 April Minimum, 2001 Spring Peak, 2001 Summer Peak, 2001 Fall Peak, and 2001/02 Winter Peak, 2004 Summer Peak, 2004/05 Winter Peak, 2006 Summer Peak, 2006/07 Winter Peak, and 2010 Summer Peak were included. These cases were modified to reflect future firm transfers not already included in the January 2000 base case series.

3. Study Analysis

Using the created models and the ACCC function of PSS/E, single and select double contingency outages were analyzed.

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC.

BASE CASES:

- Solutions - Fixed slope decoupled Newton-Raphson solution (FDNS)
- A. Tap adjustment - Stepping
- B. Area interchange control - Tie lines only
- C. Var limits - Apply immediately
- D. Page 1 Solution options - ☒ Phase shift adjustment
 - ☐ Flat start
 - ☐ Lock DC taps
 - ☐ Lock switched shunts

ACCC CASES:

- Solutions - AC contingency checking (ACCC)
- A. MW mismatch tolerance - 1.0
- B. Contingency case rating - Rate B
- C. Percent of rating - 100
- D. Output code - Summary
- E. Min flow change in overload report - 1mw
- F. Excl'd cases w/ no overloads form report - YES
- G. Exclude interfaces from report - NO
- H. Perform voltage limit check - YES
- I. Elements in available capacity table - 60000
- J. Cutoff threshold for available capacity table - 99999.0
- K. Min. contng. case Vltg chng for report - 0.02
- L. Sorted output - None

Newton Solution:

- Tap adjustment - Stepping
- Area interchange control - Tie lines only
- Var limits - Apply automatically
- Solution options - ☒ Phase shift adjustment
 - ☐ Flat start
 - ☐ Lock DC taps
 - ☐ Lock switched shunts

IV. Designated Network Resources:

UNIT	CAPACITY
Jeffrey Energy Center Unit 1	59
Jeffrey Energy Center Unit 2	59
Jeffrey Energy Center Unit 3	58
Judson Large Generator (JLS)	143
A.M. Mullergren Generator (AMS)	90
Cimarron River Plant Generator #1	58
Cimarron River Plant Generator #2	14
Clifton Generator #1	71
Clifton Generator #1	2
Total	554

V. Study Results Summary Tables

a. SUMMARY THERMAL OVERLOAD TABLE, WEPL

1. 2000 FALL PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
2. 2000 SUMMER PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
3. 2000 SPRING PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
4. 2000 WINTER PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
5. 2001 APRIL MINIMUM	NO BRANCHES LOADED TO 100% OF THEIR B RATING
6. 2001 FALL PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
7. 2001 SUMMER PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
8. 2001 SPRING PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING
9. 2001 WINTER PEAK	NO BRANCHES LOADED TO 100% OF THEIR B RATING

10. 2004 SUMMER PEAK

(	OUTAGED BRANCH	) (	OVERLOADED BRANCH	CKT)	PRE-CNT	POST-CNT	RATING	PERCENT
58784	[OTISSUB3]	58823	[OTISSUB1]	CKT 1	58784 OTISSUB3	58823 OTISSUB1	2	4.6 8.5 8.0 105.9 Upgrade
58784	[OTISSUB3]	58823	[OTISSUB1]	CKT 2	58784 OTISSUB3	58823 OTISSUB1	1	3.7 8.7 8.0 108.9 Facility

11. 2004 WINTER PEAK

NO BRANCHES LOADED TO 100% OF THEIR B RATING

12. 2006 SUMMER PEAK

(	OUTAGED BRANCH	) (	OVERLOADED BRANCH	CKT)	PRE-CNT	POST-CNT	RATING	PERCENT
58784	[OTISSUB3]	58823	[OTISSUB1]	CKT 1	58784 OTISSUB3	58823 OTISSUB1	2	4.9 8.9 8.0 111.7 Upgrade
58784	[OTISSUB3]	58823	[OTISSUB1]	CKT 2	58784 OTISSUB3	58823 OTISSUB1	1	3.8 9.1 8.0 113.9 Facility

13. 2006 WINTER PEAK

NO BRANCHES LOADED TO 100% OF THEIR B RATING

14. 2010 SUMMER PEAK

(	OUTAGED BRANCH	) (	OVERLOADED BRANCH	CKT)	PRE-CNT	POST-CNT	RATING	PERCENT
58784	[OTISSUB3]	58823	[OTISSUB1]	CKT 1	58784*OTISSUB3	58823 OTISSUB1	2	5.4 9.9 8.0 123.6 Upgrade
58784	[OTISSUB3]	58823	[OTISSUB1]	CKT 2	58784*OTISSUB3	58823 OTISSUB1	1	4.2 10.1 8.0 126.5 Facility

b. SUMMARY: VOLTAGE LIMIT TABLE, WEPL

1. 2000 FALL PEAK

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58756 [CLIFTON3] 58765 [GRNLEAF31] CKT 1	VOLTAGE GREATER THAN 1.0500:	58804 CLIFSUB134.5 1.0674	1.0431 LTC
58773 [MED-LDG3] 58797 [SUNCITY31] CKT 1	VOLTAGE GREATER THAN 1.0500:	58833 SUNCITY134.5 1.0703	1.042 LTC
58759 [CUDAHY 3] 58771 [JUD-LRG31] CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9498	0.9829 above .90
58778 [MULGREN3] 58779 [MULGREN62] CKT 1	VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115 0.9477	1.0190 above .90
		58766 GBENDTP3 115 0.9418	1.0175 above .90
		58778 MULGREN3 115 0.9371	1.0235 above .90
		58784 OTISSUB3 115 0.9348	1.0223 above .90
		58801 RUSSELL3 115 0.9499	1.0184 above .90
		58823 OTISSUB134.5 0.9328	1.0342 above .90
		58761 E-GBEND3 115 0.9327	1.0206 above .90
		58777 MULGREN113.8 0.9371	1.0235 above .90
		58781 N-GBEND3 115 0.9349	1.0221 above .90
		58789 S-GBEND3 115 0.9322	1.0202 above .90
		58807 E-GBEND134.5 0.9497	1.0432 above .90
		58828 S-GBEND134.5 0.9470	1.0411 above .90
58754 [CIM-PLT3] 56455 [NCIMARN31],CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9453	0.9829 above .90

2. 2000 SUMMER PEAK

BASE CASE	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9438	0.9438 above .90
58757 [CONCORD3] 58758 [CONCORD6],CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9472	0.9837 above .90
		58793 SMITH-C3 115 0.9425	0.9897 above .90
		58798 WALDO 3 115 0.9412	0.9800 above .90
		58801 RUSSELL3 115 0.9500	0.9824 above .90
58760 [EHALLTP3] 58778 [MULGREN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115 0.8810	0.9841 planned
		58762 ELLSWTH3 115 0.8838	0.9910 2002
		58793 SMITH-C3 115 0.9472	0.9897 Ellsworth
		58798 WALDO 3 115 0.8938	0.9800 to
		58801 RUSSELL3 115 0.8833	0.9824 Rice
		58808 ELLSWTH134.5 0.9231	1.0404
		58834 WALDO 134.5 0.9289	1.0299
58764 [GRNBURG3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9390	0.9674 above .90
		58787 PRATT 3 115 0.9166	0.9438 above .90
		58797 SUNCITY3 115 0.9462	0.9772 above .90

SUMMARY: VOLTAGE .MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58764 [GRNBURG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0784	1.0379 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9324	0.9674 above .90
		58787 PRATT 3 115 0.9144	0.9438 above .90
		58797 SUNCITY3 115 0.9331	0.9772 above .90
58766 [GBENDTP3] 58778 [MULGREN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58766 GBENDTP3 115 0.9310	0.9948 above .90
		58787 PRATT 3 115 0.9190	0.9438 above .90
		58792 SEWARD 3 115 0.9307	0.9756 above .90
		58796 ST-JOHN3 115 0.9231	0.9565 above .90
58766 [GBENDTP3] 58792 [SEWARD 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9180	0.9438 above .90
		58792 SEWARD 3 115 0.9291	0.9756 above .90
		58796 ST-JOHN3 115 0.9219	0.9565 above .90
58768 [HARPER 4] 58775 [MILANTP4] CKT 1	VOLTAGE LESS THAN 0.9500:	58768 HARPER 4 138 0.9125	0.9943 above .90
		58773 MED-LDG3 115 0.9301	0.9674 above .90
		58774 MED-LDG4 138 0.9285	0.9844 above .90
		58787 PRATT 3 115 0.9206	0.9438 above .90
		58797 SUNCITY3 115 0.9499	0.9772 above .90
		58813 HARPER 134.5 0.9414	1.0398 above .90
58773 [MED-LDG3] 58774 [MED-LDG4] CKT 1	VOLTAGE GREATER THAN 1.0500:	58813 HARPER 134.5 1.0645	1.0398 LTC
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0772	1.0372 LTC
		58833 SUNCITY134.5 1.0674	1.0364 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.8982	0.9438 OK
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0859	1.0379 LTC
		58833 SUNCITY134.5 1.1080	1.0364 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9310	0.9674 above .90
		58787 PRATT 3 115 0.9141	0.9438 above .90
58779 [MULGREN6] 58795 [SPEARVL6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9465	0.9823 above .90
58787 [PRATT 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9434	0.9674 above .90
		58787 PRATT 3 115 0.9020	0.9438 above .90
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9424	0.9674 above .90
		58787 PRATT 3 115 0.9004	0.9438 above .90
		58796 ST-JOHN3 115 0.8989	0.9565 generation

SUMMARY: VOLTAGE .NIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58779 [MULGREN6] 56601 [HEIZER 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9222	0.9823 above .90
		58783 NESS-CT3 115 0.9427	0.9884 above .90
58786 [PLAINVL3] 56551 [SALINE 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9267	0.9837 above .90
		58786 PLAINVL3 115 0.9216	0.9904 above .90
58795 [SPEARVL6] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9446	0.9823 above .90
CONTINGENCY SPP-17			
56469 [SPERVIL7] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9464	0.9823 above .90
56470 [SPERXFR6] 58795 [SPEARVL6] CKT 1			
56468 [SPERTER1] 56470 [SPERXFR6] CKT 1			
3. 2000 SPRING PEAK			
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0739	1.0441 LTC
		58833 SUNCITY134.5 1.0681	1.0437 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9364	0.9928 above .90
58773 [MED-LDG3] 58797 [SUNCITY3]	VOLTAGE GREATER THAN 1.0500:	58833 SUNCITY134.5 1.0662	1.0437 LTC
58778 [MULGREN3] 58779 [MULGREN6] CKT 1	VOLTAGE LESS THAN 0.9500:	58761 E-GBEND3 115 0.9482	1.0054 above .90
		58781 N-GBEND3 115 0.9497	1.0065 above .90
		58784 OTISSUB3 115 0.9499	1.0067 above .90
		58789 S-GBEND3 115 0.9478	1.0051 above .90
58786 [PLAINVL3] 56551 [SALINE 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58824 PHLBURG134.5 1.0623	1.0388 LTC
		58825 PLAINVL134.5 1.0862	1.0448 LTC
58795 [SPEARVL6] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9459	0.9997 above .90
CONTINGENCY SPP-17			
56469 [SPERVIL7] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9479	0.9997 above .90
56470 [SPERXFR6] 58795 [SPEARVL6] CKT 1			
56468 [SPERTER1] 56470 [SPERXFR6] CKT 1			

SUMMARY: VOLTAGE LIMIT TABLE, WEPL

4. 2000 WINTER PEAK

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58752 [CMRIVTP3] 58759 [CUDAHY 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58806 CUDAHY 134.5 1.0789	1.0483 LTC
	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9255	0.9699 above .90
		58753 CIM-PLT113.8 0.9148	0.9598 above .90
		58754 CIM-PLT3 115 0.9264	0.9678 above .90
		58772 E-LIBER3 115 0.9254	0.9666 above .90
		58782 NLIBTAP3 115 0.9243	0.9657 above .90
		58790 S-LIBER3 115 0.9246	0.9659 above .90
		58791 SATANTA3 115 0.9438	0.9720 above .90
		58800 W-LIBER3 115 0.9204	0.9620 above .90
		58837 NLIB 3 115 0.9227	0.9642 above .90
58759 [CUDAHY 3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9244	0.9699 above .90
		58753 CIM-PLT113.8 0.9136	0.9598 above .90
		58754 CIM-PLT3 115 0.9254	0.9678 above .90
		58759 CUDAHY 3 115 0.9234	0.9891 above .90
		58772 E-LIBER3 115 0.9243	0.9666 above .90
		58782 NLIBTAP3 115 0.9232	0.9657 above .90
		58790 S-LIBER3 115 0.9235	0.9659 above .90
		58791 SATANTA3 115 0.9427	0.9720 above .90
		58800 W-LIBER3 115 0.9193	0.9620 above .90
		58837 NLIB 3 115 0.9216	0.9642 above .90
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0669	1.0438 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9419	0.9876 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58833 SUNCITY134.5 1.0722	1.0431 LTC
58778 [MULGREN3] 58779 [MULGREN6] CKT 1	VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115 0.9338	1.0072 above .90
		58761 E-GBEND3 115 0.9172	1.0057 above .90
		58762 ELLSWTH3 115 0.9371	1.0121 above .90
		58777 MULGREN113.8 0.9226	1.0094 above .90
		58781 N-GBEND3 115 0.9199	1.0075 above .90
		58789 S-GBEND3 115 0.9166	1.0053 above .90
		58796 ST-JOHN3 115 0.9469	0.9897 above .90
		58801 RUSSELL3 115 0.9364	1.0072 above .90
		58821 N-GBEND134.5 0.9455	1.0399 above .90
		58828 S-GBEND134.5 0.9460	1.0429 above .90
		58766 GBENDTP3 115 0.9285	1.0052 above .90
		58778 MULGREN3 115 0.9226	1.0094 above .90
		58784 OTISSUB3 115 0.9197	1.0077 above .90
		58792 SEWARD 3 115 0.9404	0.9967 above .90
		58798 WALDO 3 115 0.9465	1.0086 above .90
		58807 E-GBEND134.5 0.9434	1.0391 above .90
		58823 OTISSUB134.5 0.9337	1.0400 above .90

SUMMARY: VOLTAGE MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58779 [MULGREN6] 58795 [SPEARVL6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9332	1.0039 above .90
		58760 EHALLTP3 115 0.9468	1.0072 above .90
		58761 E-GBEND3 115 0.9387	1.0057 above .90
		58777 MULGREN113.8 0.9436	1.0094 above .90
		58779 MULGREN6 230 0.9466	1.0076 above .90
		58784 OTISSUB3 115 0.9411	1.0077 above .90
		58789 S-GBEND3 115 0.9381	1.0053 above .90
		58796 ST-JOHN3 115 0.9340	0.9897 above .90
		58766 GBENDTP3 115 0.9410	1.0052 above .90
		58778 MULGREN3 115 0.9436	1.0094 above .90
		58781 N-GBEND3 115 0.9411	1.0075 above .90
		58787 PRATT 3 115 0.9393	0.9876 above .90
		58792 SEWARD 3 115 0.9356	0.9967 above .90
		58801 RUSSELL3 115 0.9480	1.0072 above .90
58782 [NLBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0693	1.0457 LTC
58829 S-LIBER134.5 1.0678	1.0438		
58754 [CIM-PLT3] 56455 [NCIMARN3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58830 SATANTA134.5 1.0688	1.0392 above .90
	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9237	0.9699 above .90
		58753 CIM-PLT113.8 0.9064	0.9598 above .90
		58754 CIM-PLT3 115 0.9185	0.9678 above .90
		58782 NLBTAP3 115 0.9188	0.9657 above .90
		58800 W-LIBER3 115 0.9149	0.9620 above .90
		58772 E-LIBER3 115 0.9204	0.9666 above .90
		58790 S-LIBER3 115 0.9196	0.9659 above .90
		58837 NLIB 3 115 0.9172	0.9642 above .90
58795 [SPEARVL6] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9455	0.9699 above .90
		58754 CIM-PLT3 115 0.9438	0.9678 above .90
		58782 NLBTAP3 115 0.9422	0.9657 above .90
		58791 SATANTA3 115 0.9474	0.9720 above .90
		58837 NLIB 3 115 0.9407	0.9642 above .90
		58753 CIM-PLT113.8 0.9338	0.9598 above .90
		58772 E-LIBER3 115 0.9433	0.9666 above .90
		58790 S-LIBER3 115 0.9426	0.9659 above .90
		58800 W-LIBER3 115 0.9384	0.9620 above .90
CONTINGENCY SPP-17			
56469 [SPERVIL7] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9458	0.9699 above .90
56470 [SPERXFR6] 58795 [SPEARVL6] CKT 1		58754 CIM-PLT3 115 0.9442	0.9678 above .90
56468 [SPERTER1] 56470 [SPERXFR6] CKT 1		58782 NLBTAP3 115 0.9425	0.9657 above .90
		58791 SATANTA3 115 0.9478	0.9720 above .90
		58837 NLIB 3 115 0.9410	0.9642 above .90
		58753 CIM-PLT113.8 0.9342	0.9598 above .90

(	LAGED BRANCH	)	(	VOLTAGE RANG.	)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58772	E-LIBER3 115 0.9436			0.9666 above .90			
						58790 S-LIBER3 115 0.9429	0.9659 above .90
						58800 W-LIBER3 115 0.9387	0.9620 above .90

CONTINGENCY SPP-22

51534 [TUCO 7] 54119 [O.K.U.-7] CKT 1	VOLTAGE LESS THAN	0.9500:	58752 CMRIVTP3 115 0.9249	0.9699 above .90
51533 [TUCO 6] 51534 [TUCO 7] CKT 1			58754 CIM-PLT3 115 0.9231	0.9678 above .90
			58782 NLIBTAP3 115 0.9127	0.9657 above .90
			58791 SATANTA3 115 0.9494	0.9720 above .90
			58837 NLIB 3 115 0.9111	0.9642 above .90
			58753 CIM-PLT113.8 0.9111	0.9598 above .90
			58772 E-LIBER3 115 0.9120	0.9666 above .90
			58790 S-LIBER3 115 0.9112	0.9659 above .90
			58800 W-LIBER3 115 0.9087	0.9620 above .90

CONTINGENCY SPP-28

51534 [TUCO 7] 54119 [O.K.U.-7] CKT 1	VOLTAGE LESS THAN	0.9500:	58752 CMRIVTP3 115 0.9245	0.9699 above .90
51533 [TUCO 6] 51534 [TUCO 7] CKT 1			58754 CIM-PLT3 115 0.9227	0.9678 above .90
54119 [O.K.U.-7] 54131 [L.E.S.-7] CKT 1			58782 NLIBTAP3 115 0.9123	0.9657 above .90
54119 [O.K.U.-7] 59991 [OKLAUN 7] CKT 1			58791 SATANTA3 115 0.9492	0.9720 above .90
			58837 NLIB 3 115 0.9106	0.9642 above .90
			58753 CIM-PLT113.8 0.9107	0.9598 above .90
			58772 E-LIBER3 115 0.9116	0.9666 above .90
			58790 S-LIBER3 115 0.9107	0.9659 above .90
			58800 W-LIBER3 115 0.9083	0.9620 above .90

5. 2001 APRIL MINIMUM

58752 [CMRIVTP3] 58759 [CUDAHY 3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58806 CUDAHY 134.5 1.0705	1.0471 LTC
58786 [PLAINVL3] 56551 [SALINE 3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58824 PHLBURG134.5 1.0627	1.0361 LTC
			58825 PLAINVL134.5 1.0775	1.0360 LTC

CONTINGENCY SPP-16

56446 [HLCXFMR6] 56449 [HOLCOMB7] CKT 1	VOLTAGE GREATER THAN	1.0500:	58795 SPEARVL6 230 1.0540	1.0302 LTC
56446 [HLCXFMR6] 56448 [HOLCOMB3] CKT 1				
56446 [HLCXFMR6] 56450 [HOLCTER1] CKT 1				

6. 2001 FALL PRAK

58752 [CMRIVTP3] 58759 [CUDAHY 3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58806 CUDAHY 134.5 1.0670	1.0449 LTC
	VOLTAGE LESS THAN	0.9500:	58753 CIM-PLT113.8 0.9456	0.9803 above .90
58756 [CLIFTON3] 58765 [GRNLEAF3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58804 CLIFSUB134.5 1.0559	1.0329 LTC

SUMMARY: VOLTAGE .MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58759 [CUAHY 3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9448	0.9803 above .90
		58800 W-LIBER3 115 0.9497	0.9827 above .90
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0692	1.0464 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9489	0.9896 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58833 SUNCITY134.5 1.0619	1.0392 LTC
58778 [MULGREN3] 58779 [MULGREN6] CKT 1	VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115 0.9345	1.0093 above .90
		58762 ELLSWTH3 115 0.9382	1.0146 above .90
		58777 MULGREN113.8 0.9260	1.0155 above .90
		58781 N-GBEND3 115 0.9236	1.0139 above .90
		58789 S-GBEND3 115 0.9206	1.0119 above .90
		58796 ST-JOHN3 115 0.9487	0.9908 above .90
		58801 RUSSELL3 115 0.9365	1.0085 above .90
		58819 MULLERG134.5 0.9485	1.0403 above .90
		58823 OTISSUB134.5 0.9396	1.0373 above .90
		58761 E-GBEND3 115 0.9212	1.0123 above .90
		58766 GBENDTP3 115 0.9316	1.0102 above .90
		58778 MULGREN3 115 0.9260	1.0155 above .90
		58784 OTISSUB3 115 0.9240	1.0144 above .90
		58792 SEWARD 3 115 0.9428	0.9994 above .90
		58798 WALDO 3 115 0.9446	1.0073 above .90
		58807 E-GBEND134.5 0.9428	1.0405 above .90
		58821 N-GBEND134.5 0.9445	1.0409 above .90
		58828 S-GBEND134.5 0.9399	1.0381 above .90
58782 [NLBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0644	1.0433 LTC
		58829 S-LIBER134.5 1.0640	1.0425 LTC
58754 [CIM-PLT3] 56455 [NCIMARN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9417	0.9803 above .90
		58800 W-LIBER3 115 0.9486	0.9827 above .90
7. 2001 SUMMER PEAK			
58757 [CONCORD3] 58758 [CONCORD6] CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9467	0.9856 above .90
		58793 SMITH-C3 115 0.9430	0.9938 above .90
		58798 WALDO 3 115 0.9441	0.9842 above .90

SUMMARY: VOLTAGE LIMIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58760 [EHALLTP3] 58778 [MULGREN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115 0.8780 58793 SMITH-C3 115 0.9479 58801 RUSSELL3 115 0.8805 58834 WALDO 134.5 0.9245 58762 ELLSWTH3 115 0.8802 58798 WALDO 3 115 0.8916 58808 ELLSWTH134.5 0.9185	0.9878 planned 0.9938 2002 0.9863 Ellsworth 1.0332 to 0.9945 Rice 0.9842 1.0437
58764 [GRNBURG3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9333	0.9534 above .90
58764 [GRNBURG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	58810 GRNBURG134.5 1.0762 58773 MED-LDG3 115 0.9478 58787 PRATT 3 115 0.9301 58797 SUNCITY3 115 0.9485	1.0482 LTC 0.9794 above .90 0.9534 above .90 0.9895 above .90
58766 [GBENDTP3] 58778 [MULGREN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58766 GBENDTP3 115 0.9390 58787 PRATT 3 115 0.9296 58792 SEWARD 3 115 0.9387 58796 ST-JOHN3 115 0.9324	0.9976 above .90 0.9534 above .90 0.9801 above .90 0.9634 above .90
58766 [GBENDTP3] 58792 [SEWARD 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9288 58792 SEWARD 3 115 0.9372 58796 ST-JOHN3 115 0.9314	0.9534 above .90 0.9801 above .90 0.9634 above .90
58768 [HARPER 4] 58775 [MILANTP4] CKT 1	VOLTAGE LESS THAN 0.9500:	58768 HARPER 4 138 0.9061 58773 MED-LDG3 115 0.9249 58774 MED-LDG4 138 0.9229 58787 PRATT 3 115 0.9165 58797 SUNCITY3 115 0.9455 58813 HARPER 134.5 0.9322	0.9999 above .90 0.9794 above .90 0.9895 above .90 0.9534 above .90 0.9895 above .90 1.0448 above .90
58773 [MED-LDG3] 58774 [MED-LDG4] CKT 1	VOLTAGE GREATER THAN 1.0500:	58813 HARPER 134.5 1.0655	1.0448 LTC
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58813 HARPER 134.5 1.0660 58817 MED-LDG134.5 1.0844 58787 PRATT 3 115 0.8974 58796 ST-JOHN3 115 0.9338	1.0448 LTC 1.0438 LTC 0.9534 generation 0.9634 generation
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	58810 GRNBURG134.5 1.0834 58833 SUNCITY134.5 1.1041 58773 MED-LDG3 115 0.9461 58787 PRATT 3 115 0.9292	1.0482 LTC 1.0495 LTC 0.9794 above .90 0.9534 above .90

SUMMARY: VOLTAGE .MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58779 [MULGREN6] 58795 [SPEARVL6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9499	0.9838 above .90
58782 [NLBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0690 58829 S-LIBER134.5 1.0670	1.0475 LTC 1.0448 LTC
58787 [PRATT 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9139	0.9534 above .90
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9137 58796 ST-JOHN3 115 0.9120	0.9534 above .90 0.9634 above .90
58779 [MULGREN6] 56601 [HEIZER 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9329	0.9838 above .90
58786 [PLAINVL3] 56551 [SALINE 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9323 58786 PLAINVL3 115 0.9269	0.9856 above .90 0.9916 above .90
58795 [SPEARVL6] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9482 58791 SATANTA3 115 0.9499	0.9838 above .90 0.9748 above .90
CONTINGENCY SPP-16			
56446 [HLCXFMR6] 56449 [HOLCOMB7] CKT 1	VOLTAGE LESS THAN 0.9500:	58791 SATANTA3 115 0.9492	0.9748 above .90
56446 [HLCXFMR6] 56448 [HOLCOMB3] CKT 1			
56446 [HLCXFMR6] 56450 [HOLCTER1] CKT 1			
CONTINGENCY SPP-17			
56469 [SPERVIL7] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9455	0.9838 above .90
56470 [SPERXFR6] 58795 [SPEARVL6] CKT 1		58791 SATANTA3 115 0.9496	0.9748 above .90
56468 [SPERTER1] 56470 [SPERXFR6] CKT 1			
8. 2001 SPRING PEAK			
58752 [CMRIVTP3] 58759 [CUDAHY 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58806 CUDAHY 134.5 1.0688	1.0454 LTC
	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9469	0.9812 above .90
		58753 CIM-PLT113.8 0.9376	0.9723 above .90
		58754 CIM-PLT3 115 0.9473	0.9792 above .90
		58772 E-LIBER3 115 0.9476	0.9794 above .90
		58782 NLBTAP3 115 0.9466	0.9785 above .90
		58790 S-LIBER3 115 0.9471	0.9790 above .90
		58800 W-LIBER3 115 0.9435	0.9755 above .90
		58837 NLIB 3 115 0.9454	0.9774 above .90

SUMMARY: VOLTAGE .MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58759 [CUDAHY 3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9470	0.9812 above .90
		58753 CIM-PLT113.8 0.9377	0.9723 above .90
		58754 CIM-PLT3 115 0.9474	0.9792 above .90
		58759 CUDAHY 3 115 0.9464	0.9966 above .90
		58772 E-LIBER3 115 0.9477	0.9794 above .90
		58782 NLIBTAP3 115 0.9467	0.9785 above .90
		58790 S-LIBER3 115 0.9472	0.9790 above .90
		58800 W-LIBER3 115 0.9436	0.9755 above .90
		58837 NLIB 3 115 0.9455	0.9774 above .90
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0656	1.0352 LTC
		58833 SUNCITY134.5 1.0637	1.0386 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9434	0.9788 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0616	1.0394 LTC
		58833 SUNCITY134.5 1.0725	1.0386 LTC
58778 [MULGREN3] 58779 [MULGREN6] CKT 1	VOLTAGE LESS THAN 0.9500:	58761 E-GBEND3 115 0.9491	0.9965 above .90
		58789 S-GBEND3 115 0.9487	0.9962 above .90
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58796 ST-JOHN3 115 0.9401	0.9739 above .90
58754 [CIM-PLT3] 56455 [NCIMARN3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58830 SATANTA134.5 1.0681	1.0447 LTC
	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9488	0.9812 above .90
		58753 CIM-PLT113.8 0.9346	0.9723 above .90
		58754 CIM-PLT3 115 0.9444	0.9792 above .90
		58772 E-LIBER3 115 0.9469	0.9794 above .90
		58782 NLIBTAP3 115 0.9455	0.9785 above .90
		58790 S-LIBER3 115 0.9463	0.9790 above .90
		58800 W-LIBER3 115 0.9424	0.9755 above .90
		58837 NLIB 3 115 0.9443	0.9774 above .90
58786 [PLAINVL3] 56551 [SALINE 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58824 PHLBURG134.5 1.0592	1.0389 LTC
		58825 PLAINVL134.5 1.0760	1.0396 LTC
58795 [SPEARVL6] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9493	0.9723 above .90
CONTINGENCY SPP-17			
56469 [SPERVIL7] 56470 [SPERXFR6] CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9496	0.9723 above .90
56470 [SPERXFR6] 58795 [SPEARVL6] CKT 1			
56468 [SPERTER1] 56470 [SPERXFR6] CKT 1			

SUMMARY: VOLTAGE MIT TABLE, WEPL

9. 2001 WINTER

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58752 [CMRIVTP3] 58759 [CUDAH3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58806 CUDAH3 134.5 1.0752	1.0428 LTC
	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9229	0.9697 above .90
		58753 CIM-PLT113.8 0.9120	0.9595 above .90
		58754 CIM-PLT3 115 0.9239	0.9675 above .90
		58772 E-LIBER3 115 0.9226	0.9662 above .90
		58782 NLIBTAP3 115 0.9215	0.9653 above .90
		58790 S-LIBER3 115 0.9218	0.9655 above .90
		58791 SATANTA3 115 0.9422	0.9719 above .90
		58800 W-LIBER3 115 0.9175	0.9615 above .90
		58837 NLIB 3 115 0.9199	0.9638 above .90
58759 [CUDAH3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9216	0.9697 above .90
		58753 CIM-PLT113.8 0.9106	0.9595 above .90
		58754 CIM-PLT3 115 0.9226	0.9675 above .90
		58759 CUDAH3 115 0.9205	0.9899 above .90
		58772 E-LIBER3 115 0.9213	0.9662 above .90
		58782 NLIBTAP3 115 0.9202	0.9653 above .90
		58790 S-LIBER3 115 0.9205	0.9655 above .90
		58791 SATANTA3 115 0.9410	0.9719 above .90
		58800 W-LIBER3 115 0.9162	0.9615 above .90
		58837 NLIB 3 115 0.9186	0.9638 above .90
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0624	1.0376 LTC
	VOLTAGE LESS THAN 0.9500:	58833 SUNCITY134.5 1.0654	1.0444 LTC
		58787 PRATT 3 115 0.9382	0.9870 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0674	1.0470 LTC
		58833 SUNCITY134.5 1.0742	1.0444 LTC
58778 [MULGREN3] 58779 [MULGREN6] CKT 1	VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115 0.9245	1.0069 above .90
		58761 E-GBEND3 115 0.9078	1.0073 above .90
		58762 ELLSWTH3 115 0.9274	1.0116 above .90
		58766 GBENDTP3 115 0.9203	1.0064 above .90
		58777 MULGREN113.8 0.9137	1.0112 above .90
		58778 MULGREN3 115 0.9137	1.0112 above .90
		58781 N-GBEND3 115 0.9107	1.0092 above .90
		58784 OTISSUB3 115 0.9112	1.0097 above .90
		58787 PRATT 3 115 0.9489	0.9870 above .90
		58789 S-GBEND3 115 0.9072	1.0068 above .90

(OUTAGED BRANCH)		(SUMMARY: VOLTAGE RANGE)		.MIT TABLE, WEPL (X----- BUS ----X) (V-CONT)		(V-INIT)
				58792 SEWARD 3 115	0.9334	0.9966 above .90
				58796 ST-JOHN3 115	0.9408	0.9888 above .90
				58798 WALDO 3 115	0.9377	1.0072 above .90
				58801 RUSSELL3 115	0.9272	1.0066 above .90
				58807 E-GBEND134.5	0.9326	1.0402 above .90
				58808 ELLSWTH134.5	0.9459	1.0342 above .90
				58819 MULLERG134.5	0.9359	1.0359 above .90
				58821 N-GBEND134.5	0.9290	1.0345 above .90
				58823 OTISSUB134.5	0.9292	1.0369 above .90
				58828 S-GBEND134.5	0.9292	1.0374 above .90
58779 [MULOREN6]	58795 [SPEARVL6] CKT 1	VOLTAGE LESS THAN	0.9500:	58751 ALEXNDR3 115	0.9415	1.0116 above .90
				58760 EHALLTP3 115	0.9402	1.0069 above .90
				58761 E-GBEND3 115	0.9329	1.0073 above .90
				58762 ELLSWTH3 115	0.9434	1.0116 above .90
				58766 GBENDTP3 115	0.9355	1.0064 above .90
				58777 MULGREN113.8	0.9383	1.0112 above .90
				58778 MULGREN3 115	0.9383	1.0112 above .90
				58779 MULGREN6 230	0.9423	1.0112 above .90
				58781 N-GBEND3 115	0.9356	1.0092 above .90
				58784 OTISSUB3 115	0.9360	1.0097 above .90
				58786 PLAINVL3 115	0.9492	1.0020 above .90
				58787 PRATT 3 115	0.9359	0.9870 above .90
				58789 S-GBEND3 115	0.9323	1.0068 above .90
				58792 SEWARD 3 115	0.9297	0.9966 above .90
				58796 ST-JOHN3 115	0.9283	0.9888 above .90
				58798 WALDO 3 115	0.9465	1.0072 above .90
				58801 RUSSELL3 115	0.9413	1.0066 above .90
58782 [NLIBTAP3]	58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58816 E-LIBER134.5	1.0697	1.0449 LTC
				58829 S-LIBER134.5	1.0679	1.0426 LTC
58800 [W-LIBER3]	58836 [W-LIBER1] CKT 1	VOLTAGE GREATER THAN	1.0500:	58838 NLIB 134.5	1.0675	1.0457 LTC
58800 [W-LIBER3]	58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58838 NLIB 134.5	1.0669	1.0457 LTC
58754 [CIM-PLT3]	56455 [NCIMARN3] CKT 1	VOLTAGE GREATER THAN	1.0500:	58830 SATANTA134.5	1.0670	1.0385 LTC
		VOLTAGE LESS THAN	0.9500:	58752 CMRIVTP3 115	0.9240	0.9697 above .90
				58753 CIM-PLT113.8	0.9065	0.9595 above .90
				58754 CIM-PLT3 115	0.9187	0.9675 above .90
				58772 E-LIBER3 115	0.9203	0.9662 above .90
				58782 NLIBTAP3 115	0.9187	0.9653 above .90
				58790 S-LIBER3 115	0.9194	0.9655 above .90
				58800 W-LIBER3 115	0.9146	0.9615 above .90
				58837 NLIB 3 115	0.9170	0.9638 above .90

SUMMARY: VOLTAGE LIMIT TABLE, WEPL

10. 2004 SUMMER PEAK

(OUTAGED BRANCH BASE CASE	)	(VOLTAGE RANGE VOLTAGE LESS THAN	)	(X----- BUS ----X) (V-CONT)	(V-INIT)
		0.9500:	58787 PRATT 3 115	0.9418	0.9418 above .90
58757 [CONCORD3] 58758 [CONCORD6] CKT 1		VOLTAGE LESS THAN 0.9500:	58763 GLENEL3 115	0.9477	0.9963 above .90
			58785 PHLBURG3 115	0.9418	0.9784 above .90
			58793 SMITH-C3 115	0.9407	0.9871 above .90
58764 [GRNBURG3] 58771 [JUD-LRG3] CKT 1		VOLTAGE LESS THAN 0.9500:	58764 GRNBURG3 115	0.9498	0.9963 above .90
			58773 MED-LDG3 115	0.9370	0.9689 above .90
			58774 MED-LDG4 138	0.9436	0.9757 above .90
			58787 PRATT 3 115	0.9180	0.9418 above .90
			58797 SUNCITY3 115	0.9433	0.9813 above .90
58764 [GRNBURG3] 58797 [SUNCITY3] CKT 1		VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5	1.0748	1.0426 LTC
		VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115	0.9320	0.9689 above .90
			58774 MED-LDG4 138	0.9414	0.9757 above .90
			58787 PRATT 3 115	0.9158	0.9418 above .90
			58797 SUNCITY3 115	0.9324	0.9813 above .90
58766 [GBENDTP3] 58778 [MULGREN3] CKT 1		VOLTAGE LESS THAN 0.9500:	58766 GBENDTP3 115	0.9272	0.9939 above .90
			58787 PRATT 3 115	0.9144	0.9418 above .90
			58792 SEWARD 3 115	0.9269	0.9739 above .90
			58796 ST-JOHN3 115	0.9192	0.9541 above .90
58766 [GBENDTP3] 58792 [SEWARD 3] CKT 1		VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115	0.9136	0.9418 above .90
			58792 SEWARD 3 115	0.9254	0.9739 above .90
			58796 ST-JOHN3 115	0.9181	0.9541 above .90
58768 [HARPER 4] 58774 [MED-LDG4] CKT 1		VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115	0.9447	0.9689 above .90
			58774 MED-LDG4 138	0.9447	0.9757 above .90
58768 [HARPER 4] 58775 [MILANTP4] CKT 1		VOLTAGE LESS THAN 0.9500:	58768 HARPER 4 138	0.8792	0.9860 generation
			58773 MED-LDG3 115	0.9036	0.9689 generation
			58774 MED-LDG4 138	0.9000	0.9757 generation
			58787 PRATT 3 115	0.8969	0.9418 generation
			58796 ST-JOHN3 115	0.9297	0.9541 generation
			58797 SUNCITY3 115	0.9279	0.9813 generation
			58813 HARPER 134.5	0.9089	1.0431 generation
58773 [MED-LDG3] 58774 [MED-LDG4] CKT 1		VOLTAGE GREATER THAN 1.0500:	58813 HARPER 134.5	1.0647	1.0431 LTC
		VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115	0.9448	0.9689 above .90

SUMMARY: VOLTAGE MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0636	1.0426 LTC
		58813 HARPER 134.5 1.0666	1.0431 LTC
		58817 MED-LDG134.5 1.0784	1.0359 LTC
		58833 SUNCITY134.5 1.0790	1.0440 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.8821	0.9418 generation
		58796 ST-JOHN3 115 0.9224	0.9541 generation
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0815	1.0426 LTC
		58833 SUNCITY134.5 1.1065	1.0440 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9314	0.9689 above .90
		58774 MED-LDG4 138 0.9414	0.9757 above .90
		58787 PRATT 3 115 0.9157	0.9418 above .90
58782 [NLBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0645	1.0430 LTC
		58829 S-LIBER134.5 1.0676	1.0451 LTC
58787 [PRATT 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9377	0.9689 above .90
		58774 MED-LDG4 138 0.9467	0.9757 above .90
		58787 PRATT 3 115 0.8906	0.9418 OK
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9418	0.9689 generation
		58787 PRATT 3 115 0.8967	0.9418 generation
		58796 ST-JOHN3 115 0.8966	0.9541 generation
58779 [MULGREN6] 56601 [HEIZER 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9326	0.9866 above .90
11. 2004 WINTER PEAK			
(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58756 [CLIFTON3] 58765 [GRNLEAF3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58804 CLIFSUB134.5 1.0622	1.0400 LTC
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0703	1.0406 LTC
		58833 SUNCITY134.5 1.0667	1.0424 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9341	0.9822 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58833 SUNCITY134.5 1.0706	1.0424 LTC
58782 [NLBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0705	1.0484 LTC
		58829 S-LIBER134.5 1.0685	1.0459 LTC

SUMMARY: VOLTAGE MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
		58753 CIM-PLT113.8 0.8907	0.9771 generator
		58754 CIM-PLT3 115 0.9056	0.9847 generator
		58759 CUDAHY 3 115 0.9489	0.9982 generator
		58772 E-LIBER3 115 0.9075	0.9822 generator
		58782 NLISTAP3 115 0.9056	0.9814 generator
		58790 S-LIBER3 115 0.9065	0.9814 generator
		58800 W-LIBER3 115 0.9011	0.9773 generator
		58837 NLIB 3 115 0.9037	0.9797 generator
12. 2006 SUMMER PEAK			
58757 [CONCORD3] 58758 [CONCORD6] CKT 1	VOLTAGE LESS THAN 0.9500:	58763 GLENELD3 115 0.9443	0.9969 above .90
		58769 JEWELL 3 115 0.9473	1.0015 above .90
		58785 PHLBURG3 115 0.9403	0.9791 above .90
		58793 SMITH-C3 115 0.9387	0.9880 above .90
58764 [GRNBURG3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9469	0.9754 above .90
		58787 PRATT 3 115 0.9363	0.9581 above .90
58764 [GRNBURG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0719	1.0445 above .90
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9422	0.9754 above .90
		58774 MED-LDG4 138 0.9483	0.9795 above .90
		58787 PRATT 3 115 0.9343	0.9581 above .90
		58797 SUNCITY3 115 0.9424	0.9858 above .90
58766 [GBENDTP3] 58792 [SEWARD 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9380	0.9581 above .90
58768 [HARPER 4] 58775 [MILANTP4] CKT 1	VOLTAGE LESS THAN 0.9500:	58768 HARPER 4 138 0.8911	0.9849 generator
		58773 MED-LDG3 115 0.9169	0.9754 generator
		58774 MED-LDG4 138 0.9129	0.9795 generator
		58787 PRATT 3 115 0.9173	0.9581 generator
		58797 SUNCITY3 115 0.9377	0.9858 generator
		58813 HARPER 134.5 0.9192	1.0374 generator
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58817 MED-LDG134.5 1.0677	1.0417 LTC
		58833 SUNCITY134.5 1.0614	1.0399 LTC
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9173	0.9581 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0778	1.0445 LTC
		58833 SUNCITY134.5 1.0927	1.0399 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9420	0.9754 above .90
		58774 MED-LDG4 138 0.9487	0.9795 above .90
		58787 PRATT 3 115 0.9345	0.9581 above .90

SUMMARY: VOLTAGE .MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58782 [NLIBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0682 58829 S-LIBER134.5 1.0694	1.0445 LTC 1.0446 LTC
58785 [PHLBURG3] 58786 [PLAINVL3] CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9485	0.9791 above .90
58787 [PRATT 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9213 58774 MED-LDG4 138 0.9310 58787 PRATT 3 115 0.8694 58797 SUNCITY3 115 0.9413 58826 PRATT 134.5 0.9445	0.9754 generator 0.9795 generator 0.9581 generator 0.9858 generator 1.0425 generator
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9325 58796 ST-JOHN3 115 0.9479	0.9581 above .90 0.9801 above .90
58779 [MULGREN6] 56601 [HEIZER 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9392	0.9905 above .90
13. 2006 WINTER PEAK			
58752 [CMRIVTP3] 58759 [CUDAHY 3] CKT 1	VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	58806 CUDAHY 134.5 1.0664 58753 CIM-PLT113.8 0.9499	1.0442 LTC 0.9748 above .90
58757 [CONCORD3] 58758 [CONCORD6] CKT 1	VOLTAGE LESS THAN 0.9500:	58805 CONCORD134.5 0.9480	1.0364 above .90
58759 [CUDAHY 3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN 0.9500:	58753 CIM-PLT113.8 0.9489	0.9748 above .90
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500: VOLTAGE LESS THAN 0.9500:	58817 MED-LDG134.5 1.0618 58833 SUNCITY134.5 1.0584 58787 PRATT 3 115 0.9362	1.0342 LTC 1.0356 LTC 0.9790 above .90
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0532 58833 SUNCITY134.5 1.0706	1.0304 LTC 1.0356 LTC
58782 [NLIBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0700 58829 S-LIBER134.5 1.0739	1.0459 LTC 1.0490 LTC
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58826 PRATT 134.5 1.0651	1.0352 LTC
58800 [W-LIBER3] 58836 [W-LIBER1] CKT 1	VOLTAGE GREATER THAN 1.0500:	58838 NLIB 134.5 1.0656	1.0449 LTC
58800 [W-LIBER3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58838 NLIB 134.5 1.0651	1.0449 LTC

SUMMARY: VOLTAGE .MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58754 [CIM-PLT3] 56455 [NCIMARN3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58830 SATANTA134.5 1.0658	1.0382 LTC
	VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115 0.9099	0.9838 LTC
		58753 CIM-PLT113.8 0.8890	0.9748 generation
		58754 CIM-PLT3 115 0.9041	0.9826 generation
		58759 CUDAHY 3 115 0.9484	0.9981 generation
		58772 E-LIBER3 115 0.9060	0.9807 generation
		58782 NLIBTAP3 115 0.9040	0.9796 generation
		58790 S-LIBER3 115 0.9049	0.9798 generation
		58800 W-LIBER3 115 0.8992	0.9753 generation
		58837 NLIB 3 115 0.9019	0.9779 generation

14. 2010 SUMMER

BASE CASE	VOLTAGE LESS THAN	0.9500:			
58754 [CIM-PLT3] 58782 [NLIBTAP3] CKT 1	VOLTAGE LESS THAN	0.9500:	58787 PRATT 3 115	0.9433	0.9433 above .90
			58782 NLIBTAP3 115	0.9475	0.9684 above .90
			58800 W-LIBER3 115	0.9417	0.9630 above .90
			58837 NLIB 3 115	0.9442	0.9653 above .90
58757 [CONCORD3] 58758 [CONCORD6] CKT 1	VOLTAGE LESS THAN	0.9500:	58757 CONCORD3 115	0.9416	1.0072 above .90
			58763 GLENELD3 115	0.9281	0.9819 above .90
			58769 JEWELL 3 115	0.9320	0.9879 above .90
			58785 PHLBURG3 115	0.9284	0.9658 above .90
			58793 SMITH-C3 115	0.9259	0.9738 above .90
			58798 WALDO 3 115	0.9476	0.9758 above .90
58757 [CONCORD3] 58763 [GLENELD3] CKT 1	VOLTAGE LESS THAN	0.9500:	58763 GLENELD3 115	0.9341	0.9819 above .90
			58785 PHLBURG3 115	0.9404	0.9658 above .90
			58793 SMITH-C3 115	0.9408	0.9738 above .90
58757 [CONCORD3] 58769 [JEWELL 3] CKT 1	VOLTAGE LESS THAN	0.9500:	58769 JEWELL 3 115	0.9445	0.9879 above .90
58764 [GRNBURG3] 58771 [JUD-LRG3] CKT 1	VOLTAGE LESS THAN	0.9500:	58764 GRNBURG3 115	0.9414	0.9910 above .90
			58773 MED-LDG3 115	0.9310	0.9652 above .90
			58774 MED-LDG4 138	0.9370	0.9709 above .90
			58787 PRATT 3 115	0.9175	0.9433 above .90
			58797 SUNCITY3 115	0.9358	0.9769 above .90

SUMMARY: VOLTAGE MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS -----X) (V-CONT)	(V-INIT)
58764 [GRNBURG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0729	1.0435 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9291	0.9652 above .90
		58774 MED-LDG4 138 0.9378	0.9709 above .90
		58787 PRATT 3 115 0.9177	0.9433 above .90
		58797 SUNCITY3 115 0.9289	0.9769 above .90
58766 [GBENDTP3] 58778 [MULGREN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58766 GBENDTP3 115 0.9417	0.9956 above .90
		58787 PRATT 3 115 0.9198	0.9433 above .90
		58792 SEWARD 3 115 0.9414	0.9798 above .90
		58796 ST-JOHN3 115 0.9366	0.9666 above .90
58766 [GBENDTP3] 58792 [SEWARD 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.9189	0.9433 above .90
		58792 SEWARD 3 115 0.9398	0.9798 above .90
		58796 ST-JOHN3 115 0.9355	0.9666 above .90
58768 [HARPER 4] 58774 [MED-LDG4] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9389	0.9652 above .90
		58774 MED-LDG4 138 0.9389	0.9709 above .90
58768 [HARPER 4] 58775 [MILANTP4] CKT 1	VOLTAGE GREATER THAN 1.0500:	58818 MILAN 134.5 1.0669	1.0468 LTC
	VOLTAGE LESS THAN 0.9500:	58764 GRNBURG3 115 0.9394	0.9910 generation
		58768 HARPER 4 138 0.8329	0.9819 generation
		58773 MED-LDG3 115 0.8722	0.9652 generation
		58774 MED-LDG4 138 0.8641	0.9709 generation
		58787 PRATT 3 115 0.8775	0.9433 generation
		58796 ST-JOHN3 115 0.9294	0.9666 generation
		58797 SUNCITY3 115 0.9009	0.9769 generation
		58813 HARPER 134.5 0.8322	1.0317 generation
		58817 MED-LDG134.5 0.9253	1.0331 generation
58773 [MED-LDG3] 58774 [MED-LDG4] CKT 1	VOLTAGE GREATER THAN 1.0500:	58813 HARPER 134.5 1.0564	1.0317 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9389	0.9652 above .90
58773 [MED-LDG3] 58787 [PRATT 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58813 HARPER 134.5 1.0518	1.0317 generation
		58817 MED-LDG134.5 1.0679	1.0331 generation
		58833 SUNCITY134.5 1.0746	1.0457 generation
	VOLTAGE LESS THAN 0.9500:	58787 PRATT 3 115 0.8918	0.9433 generation
		58796 ST-JOHN3 115 0.9386	0.9666 generation
58773 [MED-LDG3] 58797 [SUNCITY3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58810 GRNBURG134.5 1.0781	1.0435 LTC
		58833 SUNCITY134.5 1.1026	1.0457 LTC
	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9300	0.9652 above .90
		58774 MED-LDG4 138 0.9391	0.9709 above .90
		58787 PRATT 3 115 0.9185	0.9433 above .90

SUMMARY: VOLTAGE MIT TABLE, WEPL

(OUTAGED BRANCH)	(VOLTAGE RANGE)	(X----- BUS ----X) (V-CONT)	(V-INIT)
58780 [N-DODGE3] 58840 [EDODGE 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58839 EDODGE 134.5 1.0662	1.0461 LTC
58782 [NLBTAP3] 58837 [NLIB 3] CKT 1	VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5 1.0713	1.0438 LTC
		58829 S-LIBER134.5 1.0673	1.0389 LTC
58785 [PHLBURG3] 58786 [PLAINVL3] CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9244	0.9658 above .90
58785 [PHLBURG3] 58824 [PHLBURG1] CKT 1	VOLTAGE GREATER THAN 1.0500:	58831 SMITH-C134.5 1.0658	1.0428 LTC
58787 [PRATT 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58768 HARPER 4 138 0.9481	0.9819 generation
		58773 MED-LDG3 115 0.9042	0.9652 generation
		58774 MED-LDG4 138 0.9155	0.9709 generation
		58787 PRATT 3 115 0.8444	0.9433 generation
		58797 SUNCITY3 115 0.9267	0.9769 generation
		58826 PRATT 134.5 0.9272	1.0381 generation
58792 [SEWARD 3] 58796 [ST-JOHN3] CKT 1	VOLTAGE LESS THAN 0.9500:	58773 MED-LDG3 115 0.9421	0.9652 above .90
		58774 MED-LDG4 138 0.9495	0.9709 above .90
		58787 PRATT 3 115 0.9053	0.9433 above .90
		58796 ST-JOHN3 115 0.9185	0.9666 above .90
58799 [W-DODGE3] 58835 [W-DODGE1] CKT 1	VOLTAGE GREATER THAN 1.0500:	58812 HAGGARD134.5 1.0637	1.0395 LTC
58779 [MULGREN6] 56601 [HEIZER 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115 0.9372	0.9888 above .90
		58785 PHLBURG3 115 0.9452	0.9658 above .90
58786 [PLAINVL3] 56551 [SALINE 3] CKT 1	VOLTAGE LESS THAN 0.9500:	58785 PHLBURG3 115 0.9278	0.9658 above .90
		58786 PLAINVL3 115 0.9349	0.9819 above .90
		58793 SMITH-C3 115 0.9467	0.9738 above .90
		58798 WALDO 3 115 0.9453	0.9758 above .90

V. STUDY RESULTS

1. 2000 FALL PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 8:03
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	122.1	344.4	0.0	0.0	0.0	-236.0	13.7	-236.0
WEPL	-1.7	116.7	-144.5	0.0	124.2	70.8	79.4	
TOTALS	122.1	344.4	0.0	0.0	0.0	-236.0	13.7	-236.0
	-1.7	116.7	-144.5	0.0	124.2	70.8	79.4	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 8:18
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-166.0		
539 [WEPL]	536 [WERE]	2	2.0	-236.0	-236.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 8:19
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT	113.8	-2	1	0	0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT	113.8	-2	2	0	0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON	113.8	-2	1	0	0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG	113.8	2	4	1	122.1	-1.7	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN	113.8	-2	3	0	0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES

TRANSFORMER DATA

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0250	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9937	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0063	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0500	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0187	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0063	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0375	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0375	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0375	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0250	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0125	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9812	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0250	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0187	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0313	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0187	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0313	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0125	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0250	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0187	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0187	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0188	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0313	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0250	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0562	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0562	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0125	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0250	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0063	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0500	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0313	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0812	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0562	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0375	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 8:27
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]

BRANCH LOADINGS ABOVE 100% OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT (MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

• NONE •

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 10:00
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

H. ACCC OVERLOAD REPORT MONITORED ELEMENTS LOA ABOVE 100.0 % OF RATING SET B & VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2000 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax00FA.bgf
 SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
 MONITORED ELEMENT FILE: opsmon539.txt
 CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58756 [CLIFTON3115.00] TO BUS 58765 [GRNLEAF3115.00] CKT 1 ----- CONTINGENCY SINGLE 7
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58804 CLIPSUB134.5 1.0674 1.0431

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58759 [CUDAH3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 13
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9498 0.9829

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 46
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0703 1.0421

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58778 [MULGREN3115.00] TO BUS 58779 [MULGREN6230.00] CKT 1 ----- CONTINGENCY SINGLE 50
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58760 EHALLTP3 115 0.9477 1.0190 58761 E-GBEND3 115 0.9327 1.0206
 58766 GBENDTP3 115 0.9418 1.0175 58777 MULGREN113.8 0.9371 1.0235
 58778 MULGREN3 115 0.9371 1.0235 58781 N-GBEND3 115 0.9349 1.0221
 58784 OTISSUB3 115 0.9348 1.0223 58789 S-GBEND3 115 0.9322 1.0202
 58801 RUSSELL3 115 0.9499 1.0184 58807 E-GBEND134.5 0.9497 1.0432
 58823 OTISSUB134.5 0.9328 1.0342 58828 S-GBEND134.5 0.9470 1.0411

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58754 [CIM-PLT3115.00] TO BUS 56455 [NCIMARN3115.00] CKT 1 ----- CONTINGENCY SINGLE 86
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9453 0.9829

2. 000 SPRING PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E WED, APR 05 2000 14:19
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	76.2	313.1	0.0	0.0	0.0	-249.9	13.0	-250.0
WEPL	3.6	105.1	-148.4	0.0	122.8	92.1	77.6	
TOTALS	76.2	313.1	0.0	0.0	0.0	-249.9	13.0	-250.0
	3.6	105.1	-148.4	0.0	122.8	92.1	77.6	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E WED, APR 05 2000 14:21
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-166.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-250.0	-250.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E WED, APR 05 2000 14:22
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0		0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	-2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	-2	1	0		0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	2	4	1		76.2	3.6	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN113.8	-2	3	0		0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E WED, APR 05 2000 14:22
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL TRANSFORMER DATA
 2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CK
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0438	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9750	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	0.9937	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0500	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0375	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0125	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0000	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	0.9875	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	0.9812	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0250	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	0.9937	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9688	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0375	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0438	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0250	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	0.9875	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0375	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0688	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0313	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0438	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0375	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0187	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0250	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0313	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0438	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0562	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0562	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0000	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0313	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	0.9937	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0500	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0313	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0750	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0562	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E WED, APR 05 2000 14:31
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----	FROM BUS-----X	X-----	TO BUS-----X	CURRENT(MVA)
BUS	NAME BSKV AREA	BUS	NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 9:58
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X-----	BUS -----X	AREA V(PU)	V(KV)	X-----	BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X-----	BUS -----X	AREA V(PU)	V(KV)	X-----	BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE RE.

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E SUN, APR 02 2000 20:37

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax00SR.sgf
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opsmon539.txt
CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 (MED-LDG3115.00) TO BUS 58787 (PRATT 3115.00) CKT 1 ----- CONTINGENCY SINGLE 45
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0739 1.0441 58833 SUNCITY134.5 1.0681 1.0437

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9364 0.9928

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 (MED-LDG3115.00) TO BUS 58797 (SUNCITY3115.00) CKT 1 ----- CONTINGENCY SINGLE 46
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0662 1.0437

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58778 (MULGREN3115.00) TO BUS 58779 (MULGREN6230.00) CKT 1 ----- CONTINGENCY SINGLE 50
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58761 E-GBEND3 115 0.9482 1.0054 58781 N-GBEND3 115 0.9497 1.0065
58784 OTISSUB3 115 0.9499 1.0067 58789 S-GBEND3 115 0.9478 1.0051

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58786 (PLAINVL3115.00) TO BUS 56551 (SALINE 3115.00) CKT 1 ----- CONTINGENCY SINGLE 88
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58824 PHLBURG134.5 1.0623 1.0388 58825 PLAINVL134.5 1.0862 1.0448

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58795 (SPEARVL6230.00) TO BUS 56470 (SPERXFR6287.00) CKT 1 ----- CONTINGENCY SINGLE 90
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9459 0.9997

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E SUN, APR 02 2000 20:37
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2000 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 56469 [SPERVIL7345.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SPP-17
 OPEN LINE FROM BUS 56470 [SPERXFR6287.00] TO BUS 58795 [SPEARVL6230.00] CKT 1
 OPEN LINE FROM BUS 56468 [SPERTER113.800] TO BUS 56470 [SPERXFR6287.00] CKT 1

*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9479 0.9997

00 SUMMER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 10:25
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	275.6	521.9	0.0	0.0	0.0	-269.0	22.7	-269.0
WEPL	39.9	174.5	-207.0	0.0	119.6	61.8	130.2	
TOTALS	275.6	521.9	0.0	0.0	0.0	-269.0	22.7	-269.0
	39.9	174.5	-207.0	0.0	119.6	61.8	130.2	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 10:27
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	531 [MIDW]	1	0.0		
539 [WEPL]	534 [SUNC]	1	0.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	534 [SUNC]	3	-190.0		
539 [WEPL]	536 [WERE]	1	-45.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-269.0	-269.0

C. GENERATOR UNIT DATA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT	113.8	2	1	1	50.0	8.8	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT	113.8	2	2	0	0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON	113.8	2	1	1	30.0	1.4	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG	113.8	2	4	1	130.6	15.9	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN	113.8	2	3	1	65.0	13.8	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

MON, APR 03 2000 10:28
TRANSFORMER DATA

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0625	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	1.0000	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0063	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0562	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0313	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0313	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0187	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0000	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0187	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0313	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0500	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	1.0063	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0375	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0250	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0812	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0375	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0625	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0313	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0688	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0875	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0625	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0438	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0750	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0438	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0688	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0688	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0500	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0375	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0438	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.1000	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0625	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0625	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0688	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0625	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 10:31
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]

BRANCH LOADINGS ABOVE 100% OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 10:31
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
58787 PRATT	3 115 539	0.9438	108.54		

ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax00SP.sgf
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opsmon539.txt
CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
BASE CASE

*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9438 0.9438

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58757 [CONCORD3115.00] TO BUS 58758 [CONCORD6230.00] CKT 1 ----- CONTINGENCY SINGLE 9

*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58785 PHLBURG3 115 0.9472 0.9837 58793 SMITH-C3 115 0.9425 0.9897
58798 WALDO 3 115 0.9412 0.9800 58801 RUSSELL3 115 0.9500 0.9824

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58760 [EHALLTP3115.00] TO BUS 58778 [MULGREN3115.00] CKT 1 ----- CONTINGENCY SINGLE 16

*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58760 EHALLTP3 115 0.8810 0.9841 58762 ELLSWTH3 115 0.8838 0.9910
58793 SMITH-C3 115 0.9472 0.9897 58798 WALDO 3 115 0.8938 0.9800
58801 RUSSELL3 115 0.8833 0.9824 58808 ELLSWTH134.5 0.9231 1.0404
58834 WALDO 134.5 0.9289 1.0299

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 24

*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9390 0.9674 58787 PRATT 3 115 0.9166 0.9438
58797 SUNCITY3 115 0.9462 0.9772

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 25

*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0784 1.0379
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9324 0.9674 58787 PRATT 3 115 0.9144 0.9438
58797 SUNCITY3 115 0.9331 0.9772

[illegible]

X-----CONTINGENCYEVENTS-----X-X-OVERLOADDE										LINES--X-X-NVA(MW)FLOW--X										TO															
X--MULTI-SECTIONLINEGROUPINGS--X--X--FROM										NAME										NAME															
OPEN	LINE	FROM	BUS	56469	[SPBRVL7345.00]	TO	BUS	56470	[SPBRXFR6287.00]	CKT	1	OPEN	LINE	FROM	BUS	56470	[SPBRXFR6287.00]	TO	BUS	56470	[SPBRXFR6287.00]	CKT	1	OPEN	LINE	FROM	BUS	56470	[SPBRXFR6287.00]	TO	BUS	56470	[SPBRXFR6287.00]	CKT	1
OPEN	LINE	FROM	BUS	56468	[SPEKTER113.800]	TO	BUS	56470	[SPEKTER113.800]	CKT	1	OPEN	LINE	FROM	BUS	56470	[SPEKTER113.800]	TO	BUS	56470	[SPEKTER113.800]	CKT	1	OPEN	LINE	FROM	BUS	56468	[SPEKTER113.800]	TO	BUS	56470	[SPEKTER113.800]	CKT	1

X-----X V-CONT V-INIT X-----X V-CONT V-INIT X-----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500; 58751 ALEXNDR3 115 0.9464 0.9823

4. JO WINTER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 10:55
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	131.8	365.3	0.0	0.0	0.0	-249.0	15.5	-249.0
WEPL	10.6	123.6	-147.0	0.0	122.6	60.3	96.3	
TOTALS	131.8	365.3	0.0	0.0	0.0	-249.0	15.5	-249.0
	10.6	123.6	-147.0	0.0	122.6	60.3	96.3	

B. INTER-AREA TRANSFER DATA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	531 [MIDW]	1	0.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	534 [SUNC]	3	0.0		
539 [WEPL]	536 [WERE]	1	-165.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-249.0	-249.0

C. GENERATOR UNIT DATA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0		0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000		
58753	CIM-PLT113.8	-2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000		
58755	CLIFTON113.8	-2	1	0		0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000		
58770	JUD-LRG113.8	2	4	1		131.8	10.6	98.0	-45.0	143.0	30.0	1	1.000		
58777	MULGREN113.8	-2	3	0		0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000		

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:07
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL TRANSFORMER DATA
 2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0375	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9812	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	0.9937	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0688	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0313	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0125	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0063	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0000	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	0.9937	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0375	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0125	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9750	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0313	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0688	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0375	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0313	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0750	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0250	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0438	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0438	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0250	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0188	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0375	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0125	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0438	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0812	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0688	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0063	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0313	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0063	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0562	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0500	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.1000	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0875	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0500	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAT. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:08
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100% OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:21
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED JVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax00WP.sgf
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opsmon539.txt
CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58752 [CMRIVTP3115.00] TO BUS 58759 [CUDAHY 3115.00] CKT 1 ----- CONTINGENCY SINGLE 3
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58806 CUDAHY 134.5 1.0789 1.0483
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9255 0.9699 58753 CIM-PLT113.8 0.9148 0.9598
58754 CIM-PLT3 115 0.9264 0.9678 58772 E-LIBER3 115 0.9254 0.9666
58782 NLIBTAP3 115 0.9243 0.9657 58790 S-LIBER3 115 0.9246 0.9659
58791 SATANTA3 115 0.9438 0.9720 58800 W-LIBER3 115 0.9204 0.9620
58837 NLIB 3 115 0.9227 0.9642

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58759 [CUDAHY 3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 13
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9244 0.9699 58753 CIM-PLT113.8 0.9136 0.9598
58754 CIM-PLT3 115 0.9254 0.9678 58759 CUDAHY 3 115 0.9234 0.9891
58772 E-LIBER3 115 0.9243 0.9666 58782 NLIBTAP3 115 0.9232 0.9657
58790 S-LIBER3 115 0.9235 0.9659 58791 SATANTA3 115 0.9427 0.9720
58800 W-LIBER3 115 0.9193 0.9620 58837 NLIB 3 115 0.9216 0.9642

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1 ----- CONTINGENCY SINGLE 45
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0669 1.0438
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9419 0.9876

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 46
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0722 1.0431

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2000 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58778 [MULGREN3115.00] TO BUS 58779 [MULGREN6230.00] CKT 1 ----- CONTINGENCY SINGLE 50

*** NONE ***

	X----- BUS -----X	V-CONT	V-INIT	X----- BUS -----X	V-CONT	V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500:	58760 EHALLTP3 115	0.9338	1.0072	58761 E-GBEND3 115	0.9172	1.0057
	58762 ELLSWTH3 115	0.9371	1.0121	58766 GBENDTP3 115	0.9285	1.0052
	58777 MULGREN113.8	0.9226	1.0094	58778 MULGREN3 115	0.9226	1.0094
	58781 N-GBEND3 115	0.9199	1.0075	58784 OTISSUB3 115	0.9197	1.0077
	58789 S-GBEND3 115	0.9166	1.0053	58792 SEWARD 3 115	0.9404	0.9967
	58796 ST-JOHN3 115	0.9469	0.9897	58798 WALDO 3 115	0.9465	1.0086
	58801 RUSSELL3 115	0.9364	1.0072	58807 E-GBEND134.5	0.9434	1.0391
	58821 N-GBEND134.5	0.9455	1.0399	58823 OTISSUB134.5	0.9337	1.0400
	58828 S-GBEND134.5	0.9460	1.0429			

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58779 [MULGREN6230.00] TO BUS 58795 [SPEARVL6230.00] CKT 1 ----- CONTINGENCY SINGLE 54

*** NONE ***

	X----- BUS -----X	V-CONT	V-INIT	X----- BUS -----X	V-CONT	V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500:	58751 ALEXNDR3 115	0.9332	1.0039	58760 EHALLTP3 115	0.9468	1.0072
	58761 E-GBEND3 115	0.9387	1.0057	58766 GBENDTP3 115	0.9410	1.0052
	58777 MULGREN113.8	0.9436	1.0094	58778 MULGREN3 115	0.9436	1.0094
	58779 MULGREN6 230	0.9466	1.0076	58781 N-GBEND3 115	0.9411	1.0075
	58784 OTISSUB3 115	0.9411	1.0077	58787 PRATT 3 115	0.9393	0.9876
	58789 S-GBEND3 115	0.9381	1.0053	58792 SEWARD 3 115	0.9356	0.9967
	58796 ST-JOHN3 115	0.9340	0.9897	58801 RUSSELL3 115	0.9480	1.0072

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58782 [NLBTAP3115.00] TO BUS 58837 [NLIB 3115.00] CKT 1 ----- CONTINGENCY SINGLE 59

*** NONE ***

	X----- BUS -----X	V-CONT	V-INIT	X----- BUS -----X	V-CONT	V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500:	58816 E-LIBER134.5	1.0693	1.0457	58829 S-LIBER134.5	1.0678	1.0438

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58754 [CIM-PLT3115.00] TO BUS 56455 [NCIMARN3115.00] CKT 1 ----- CONTINGENCY SINGLE 86

*** NONE ***

	X----- BUS -----X	V-CONT	V-INIT	X----- BUS -----X	V-CONT	V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500:	58830 SATANTA134.5	1.0688	1.0392			

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500:	58752 CMRIVTP3 115	0.9237	0.9699	58753 CIM-PLT113.8	0.9064	0.9598
	58754 CIM-PLT3 115	0.9185	0.9678	58772 E-LIBER3 115	0.9204	0.9666
	58782 NLBTAP3 115	0.9188	0.9657	58790 S-LIBER3 115	0.9196	0.9659
	58800 W-LIBER3 115	0.9149	0.9620	58837 NLIB 3 115	0.9172	0.9642

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58795 [SPEARVL6230.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SINGLE 92

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58752 CMRIVTP3 115 0.9455 0.9699 58753 CIM-PLT113.8 0.9338 0.9598
 58754 CIM-PLT3 115 0.9438 0.9678 58772 E-LIBER3 115 0.9433 0.9666
 58782 NLBTAP3 115 0.9422 0.9657 58790 S-LIBER3 115 0.9426 0.9659
 58791 SATANTA3 115 0.9474 0.9720 58800 W-LIBER3 115 0.9384 0.9620
 58837 NLIB 3 115 0.9407 0.9642

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 56469 [SPERVIL7345.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SPP-17
 OPEN LINE FROM BUS 56470 [SPERXFR6287.00] TO BUS 58795 [SPEARVL6230.00] CKT 1
 OPEN LINE FROM BUS 56468 [SPERTER113.800] TO BUS 56470 [SPERXFR6287.00] CKT 1

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58752 CMRIVTP3 115 0.9458 0.9699 58753 CIM-PLT113.8 0.9342 0.9598
 58754 CIM-PLT3 115 0.9442 0.9678 58772 E-LIBER3 115 0.9436 0.9666
 58782 NLBTAP3 115 0.9425 0.9657 58790 S-LIBER3 115 0.9429 0.9659
 58791 SATANTA3 115 0.9478 0.9720 58800 W-LIBER3 115 0.9387 0.9620
 58837 NLIB 3 115 0.9410 0.9642

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 51534 [TUCO 7345.00] TO BUS 54119 [O.K.U.-7345.00] CKT 1 ----- CONTINGENCY SPP-22
 OPEN LINE FROM BUS 51533 [TUCO 6230.00] TO BUS 51534 [TUCO 7345.00] CKT 1

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58752 CMRIVTP3 115 0.9249 0.9699 58753 CIM-PLT113.8 0.9111 0.9598
 58754 CIM-PLT3 115 0.9231 0.9678 58772 E-LIBER3 115 0.9120 0.9666
 58782 NLBTAP3 115 0.9127 0.9657 58790 S-LIBER3 115 0.9112 0.9659
 58791 SATANTA3 115 0.9494 0.9720 58800 W-LIBER3 115 0.9087 0.9620
 58837 NLIB 3 115 0.9111 0.9642

X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 51534 [TUCO 7345.00] TO BUS 54119 [O.K.U.-7345.00] CKT 1 ----- CONTINGENCY SPP-28
 OPEN LINE FROM BUS 51533 [TUCO 6230.00] TO BUS 51534 [TUCO 7345.00] CKT 1
 OPEN LINE FROM BUS 54119 [O.K.U.-7345.00] TO BUS 54131 [L.E.S.-7345.00] CKT 1
 OPEN LINE FROM BUS 54119 [O.K.U.-7345.00] TO BUS 59991 [OKLAUN 7345.00] CKT 1

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58752 CMRIVTP3 115 0.9245 0.9699 58753 CIM-PLT113.8 0.9107 0.9598
 58754 CIM-PLT3 115 0.9227 0.9678 58772 E-LIBER3 115 0.9116 0.9666
 58782 NLBTAP3 115 0.9123 0.9657 58790 S-LIBER3 115 0.9107 0.9659
 58791 SATANTA3 115 0.9492 0.9720 58800 W-LIBER3 115 0.9083 0.9620
 58837 NLIB 3 115 0.9106 0.9642

5. J1 APRIL MINIMUM

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:34
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	38.9	138.8	0.0	0.0	0.0	-102.9	3.0	-103.0
WEPL	0.0	51.4	-14.8	0.0	126.6	72.6	17.3	
TOTALS	38.9	138.8	0.0	0.0	0.0	-102.9	3.0	-103.0
	0.0	51.4	-14.8	0.0	126.6	72.6	17.3	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:35
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-39.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-103.0	-103.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:36
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0		0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	-2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	-2	1	0		0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	-2	4	1		38.9	0.0	0.0	0.0	143.0	30.0	1	1.000
58777	MULGREN113.8	-2	3	0		0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:37
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL TRANSFORMER DATA
 2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0000	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	1.0000	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0000	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0375	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0125	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0063	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0063	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0125	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0000	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0313	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0187	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	1.0000	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0187	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0562	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0125	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0125	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0063	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0313	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0125	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0000	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0250	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0187	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0313	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0187	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0187	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0188	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0562	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0562	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0063	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0125	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0187	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0125	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0313	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0562	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0562	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0250	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAI SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:39
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----	FROM BUS-----X	X-----	TO BUS-----X	CURRENT(MVA)
BUS	NAME BSKV AREA	BUS	NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:41
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X-----	BUS -----X	AREA V(PU)	V(KV)	X-----	BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X-----	BUS -----X	AREA V(PU)	V(KV)	X-----	BUS -----X	AREA V(PU)	V(KV)
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* NONE *

. ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADE. JVE 100.0 % OF RATING SET B & ACCC VOLTAGE REP.

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E SUN, APR 02 2000 20:41

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 APRIL MINIMUM - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax01AP.sgf
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opemon539.txt
CONTINGENCY DESCRIPTION FILE: opacon2k.txt

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58752 [CMRIVTP3115.00] TO BUS 58759 [CUDAHY 3115.00] CKT 1 ----- CONTINGENCY SINGLE 3
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58806 CUDAHY 134.5 1.0705 1.0471

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58786 [PLAINVL3115.00] TO BUS 56551 [SALINE 3115.00] CKT 1 ----- CONTINGENCY SINGLE 90
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58824 PHLBURG134.5 1.0627 1.0361 58825 PLAINVL134.5 1.0775 1.0360

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 56446 [HLXCFMR6230.00] TO BUS 56449 [HOLCOMB7345.00] CKT 1 ----- CONTINGENCY SPP-16
OPEN LINE FROM BUS 56446 [HLXCFMR6230.00] TO BUS 56448 [HOLCOMB3115.00] CKT 1
OPEN LINE FROM BUS 56446 [HLXCFMR6230.00] TO BUS 56450 [HOLCTER113.800] CKT 1
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58795 SPEARVL6 230 1.0540 1.0302

6. 01 FALL PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:47
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	114.4	352.1	0.0	0.0	0.0	-250.1	12.4	-250.0
WEPL	-2.4	119.2	-143.9	0.0	122.7	67.9	76.9	
TOTALS	114.4	352.1	0.0	0.0	0.0	-250.1	12.4	-250.0
	-2.4	119.2	-143.9	0.0	122.7	67.9	76.9	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:49
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X---TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-166.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-250.0	-250.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:49
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0		0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	-2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	-2	1	0		0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	2	4	1	114.4	-2.4	98.0	-45.0	143.0	30.0	30.0	1	1.000
58777	MULGREN113.8	-2	3	0		0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES

TRANSFORMER DATA

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0250	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9937	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0063	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0500	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0250	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0125	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0438	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0313	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0375	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0250	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0125	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9875	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0250	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0187	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0375	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0250	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0313	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0187	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0313	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0250	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0250	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0313	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0250	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0313	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0313	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0562	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0562	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0250	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0250	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0000	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0625	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0313	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0812	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0625	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0375	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RA: SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:54
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 11:55
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED /R 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES
*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: DEX01FA.bgt
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opsmom539.txt
CONTINGENCY DESCRIPTION FILE: opacon2k.txt

X-----CONTINGENCY EVENTS-----X--OVRLOAD LINES--X--MVA(MW)FLOW--X
X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58752 [CMR1VTF3115.00] TO BUS 58759 [CUDAHY 3115.00] CKT 1
*** NONE ***
X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58806 CUDAHY 134.5 1.0670 1.0449
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9456 0.9803

X-----CONTINGENCY EVENTS-----X--OVRLOAD LINES--X--MVA(MW)FLOW--X
X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58756 [CLIFTON3115.00] TO BUS 58765 [GRNLEAF3115.00] CKT 1
*** NONE ***
X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58804 CLIFSUB134.5 1.0559 1.0329

X-----CONTINGENCY EVENTS-----X--OVRLOAD LINES--X--MVA(MW)FLOW--X
X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58759 [CUDAHY 3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1
*** NONE ***
X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9448 0.9803
58800 W-LIBBR3 115 0.9497 0.9827

X-----CONTINGENCY EVENTS-----X--OVRLOAD LINES--X--MVA(MW)FLOW--X
X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1
*** NONE ***
X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0692 1.0464

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9489 0.9896

X-----CONTINGENCY EVENTS-----X--OVRLOAD LINES--X--MVA(MW)FLOW--X
X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1
*** NONE ***
X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0619 1.0392

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 FALL PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- M U L T I - S E C T I O N L I N E G R O U P I N G S -----X F R O M N A M E T O N A M E C K T P R E - C N T P O S T - C N T R A T I N G P E R C E N T
O P E N L I N E F R O M B U S 5 8 7 7 8 [M U L G R E N 3 1 1 5 . 0 0] T O B U S 5 8 7 7 9 [M U L G R E N 6 2 3 0 . 0 0] C K T 1 ----- C O N T I N G E N C Y S I N G L E 5 0
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58760 EHALLTP3 115 0.9345 1.0093 58761 E-GBEND3 115 0.9212 1.0123
58762 ELLSWTH3 115 0.9382 1.0146 58766 GBENDTP3 115 0.9316 1.0102
58777 MULGREN113.8 0.9260 1.0155 58778 MULGREN3 115 0.9260 1.0155
58781 N-GBEND3 115 0.9236 1.0139 58784 OTISSUB3 115 0.9240 1.0144
58789 S-GBEND3 115 0.9206 1.0119 58792 SEWARD 3 115 0.9428 0.9994
58796 ST-JOHN3 115 0.9487 0.9908 58798 WALDO 3 115 0.9446 1.0073
58801 RUSSELL3 115 0.9365 1.0085 58807 E-GBEND134.5 0.9428 1.0405
58819 MULLERG134.5 0.9485 1.0403 58821 N-GBEND134.5 0.9445 1.0409
58823 OTISSUB134.5 0.9396 1.0373 58828 S-GBEND134.5 0.9399 1.0381

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- M U L T I - S E C T I O N L I N E G R O U P I N G S -----X F R O M N A M E T O N A M E C K T P R E - C N T P O S T - C N T R A T I N G P E R C E N T
O P E N L I N E F R O M B U S 5 8 7 8 2 [N L I B T A P 3 1 1 5 . 0 0] T O B U S 5 8 8 3 7 [N L I B 3 1 1 5 . 0 0] C K T 1 ----- C O N T I N G E N C Y S I N G L E 5 9
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58816 E-LIBER134.5 1.0644 1.0433 58829 S-LIBER134.5 1.0640 1.0425

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- M U L T I - S E C T I O N L I N E G R O U P I N G S -----X F R O M N A M E T O N A M E C K T P R E - C N T P O S T - C N T R A T I N G P E R C E N T
O P E N L I N E F R O M B U S 5 8 7 5 4 [C I M - P L T 3 1 1 5 . 0 0] T O B U S 5 6 4 5 5 [N C I M A R N 3 1 1 5 . 0 0] C K T 1 ----- C O N T I N G E N C Y S I N G L E 8 7
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9417 0.9803 58800 W-LIBER3 115 0.9486 0.9827

01 SPRING PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 14:55
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	82.7	320.1	0.0	0.0	0.0	-250.0	12.5	-250.0
WEPL	7.1	108.8	-146.8	0.0	120.9	92.1	73.9	
TOTALS	82.7	320.1	0.0	0.0	0.0	-250.0	12.5	-250.0
	7.1	108.8	-146.8	0.0	120.9	92.1	73.9	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 14:56
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-166.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-250.0	-250.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 14:56
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0		0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	-2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	-2	1	0		0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	2	4	1		82.7	7.1	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN113.8	-2	3	0		0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E

MON, APR 03 2000 14:58

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

TRANSFORMER DATA

2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0375	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9813	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	0.9937	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0562	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0375	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0125	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0063	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	0.9937	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	0.9938	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0250	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0125	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9750	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0313	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0500	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0313	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0375	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0625	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0313	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0375	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0375	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0250	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0250	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0375	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0438	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0625	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0625	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0063	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0313	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0000	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0563	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0313	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0875	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0688	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0438	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAT. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 14:59
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT (MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:01
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

.. ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED OVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPOA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2001 SPRING PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax01SR.sgf
 SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
 MONITORED ELEMENT FILE: opsmon539.txt
 CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58752 [CMRIVTP3115.00] TO BUS 58759 [CUDAHY 3115.00] CKT 1 ----- CONTINGENCY SINGLE 3
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58806 CUDAHY 134.5 1.0688 1.0454

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9469 0.9812 58753 CIM-PLT113.8 0.9376 0.9723
 58754 CIM-PLT3 115 0.9473 0.9792 58772 E-LIBER3 115 0.9476 0.9794
 58782 NLIBTAP3 115 0.9466 0.9785 58790 S-LIBER3 115 0.9471 0.9790
 58800 W-LIBER3 115 0.9435 0.9755 58837 NLIB 3 115 0.9454 0.9774

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58759 [CUDAHY 3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 13
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9470 0.9812 58753 CIM-PLT113.8 0.9377 0.9723
 58754 CIM-PLT3 115 0.9474 0.9792 58759 CUDAHY 3 115 0.9464 0.9966
 58772 E-LIBER3 115 0.9477 0.9794 58782 NLIBTAP3 115 0.9467 0.9785
 58790 S-LIBER3 115 0.9472 0.9790 58800 W-LIBER3 115 0.9436 0.9755
 58837 NLIB 3 115 0.9455 0.9774

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1 ----- CONTINGENCY SINGLE 45
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0656 1.0352 58833 SUNCITY134.5 1.0637 1.0386

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9434 0.9788

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 46
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0616 1.0394 58833 SUNCITY134.5 1.0725 1.0386

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58778 [MULGREN3115.00] TO BUS 58779 [MULGREN6230.00] CKT 1 ----- CONTINGENCY SINGLE 50
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58761 E-GBEND3 115 0.9491 0.9965 58789 S-GBEND3 115 0.9487 0.9962

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58792 [SEWARD 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 ----- CONTINGENCY SINGLE 72
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58796 ST-JOHN3 115 0.9401 0.9739

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58754 [CIM-PLT3115.00] TO BUS 56455 [NCIMARN3115.00] CKT 1 ----- CONTINGENCY SINGLE 86
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58830 SATANTA134.5 1.0681 1.0447

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9488 0.9812 58753 CIM-PLT113.8 0.9346 0.9723
58754 CIM-PLT3 115 0.9444 0.9792 58772 E-LIBER3 115 0.9469 0.9794
58782 NLIBTAP3 115 0.9455 0.9785 58790 S-LIBER3 115 0.9463 0.9790
58800 W LILBER3 115 0.9424 0.9755 58837 NLIB 3 115 0.9443 0.9774

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58786 [PLAINVL3115.00] TO BUS 56551 [BALINE 3115.00] CKT 1 ----- CONTINGENCY SINGLE 90
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58824 PHLBURG134.5 1.0592 1.0389 58825 PLAINVL134.5 1.0760 1.0396

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58795 [SPEARVL6230.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SINGLE 92
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9493 0.9723

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 56469 [SPERVIL7345.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SPP-17
OPEN LINE FROM BUS 56470 [SPERXFR6287.00] TO BUS 58795 [SPEARVL6230.00] CKT 1
OPEN LINE FROM BUS 56468 [SPKTER113.800] TO BUS 56470 [SPERXFR6287.00] CKT 1
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9496 0.9723

Schedule No. 7

8. 1 SUMMER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 13:48
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	227.5	533.5	0.0	0.0	0.0	-324.1	18.0	-324.0
WEPL	39.0	178.3	-208.1	0.0	120.6	75.1	114.3	
TOTALS	227.5	533.5	0.0	0.0	0.0	-324.1	18.0	-324.0
	39.0	178.3	-208.1	0.0	120.6	75.1	114.3	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 13:49
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X---TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	531 [MIDW]	1	0.0		
539 [WEPL]	534 [SUNC]	1	0.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	534 [SUNC]	3	-180.0		
539 [WEPL]	536 [WERE]	1	-110.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-324.0	-324.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 13:52
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	2	1	1	30.0	13.4	28.0	-15.0	58.0	25.0	1	1.000	
58753	CIM-PLT113.8	2	2	0	0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000	
58755	CLIFTON113.8	2	1	1	30.0	-1.9	32.0	-15.0	70.0	5.0	1	1.000	
58770	JUD-LRG113.8	2	4	1	112.5	15.6	98.0	-45.0	143.0	30.0	1	1.000	
58777	MULGREN113.8	2	3	1	55.0	11.9	34.0	-16.0	93.0	30.0	1	1.000	

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

MON, APR 03 2000 13:52
TRANSFORMER DATA

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0688	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	1.0000	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0063	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0625	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0313	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0313	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0187	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0000	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0187	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0313	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0500	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	1.0125	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0375	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0313	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0750	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0375	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0688	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0313	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0750	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0500	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0500	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0688	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0438	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0750	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0500	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0750	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0750	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0500	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0375	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0438	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.1000	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0688	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0750	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0750	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0625	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAT. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 13:53
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 14:42
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax01SP.sgf
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opsmon539.txt
CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58757 [CONCORD3115.00] TO BUS 58758 [CONCORD6230.00] CKT 1 ----- CONTINGENCY SINGLE 9
*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
58785 PHLBURG3 115 0.9467 0.9856 58793 SMITH-C3 115 0.9430 0.9938
58798 WALDO 3 115 0.9441 0.9842

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58760 [EHALLTP3115.00] TO BUS 58778 [MULGREN3115.00] CKT 1 ----- CONTINGENCY SINGLE 16
*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
58760 EHALLTP3 115 0.8780 0.9878 58762 ELLSWTH3 115 0.8802 0.9945
58793 SMITH-C3 115 0.9479 0.9938 58798 WALDO 3 115 0.8916 0.9842
58801 RUSSELL3 115 0.8805 0.9863 58808 ELLSWTH134.5 0.9185 1.0437
58834 WALDO 134.5 0.9245 1.0332

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 24
*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
58787 PRATT 3 115 0.9333 0.9534

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 25
*** NONE ***

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
58810 GRNBURG134.5 1.0762 1.0482

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9478 0.9794 58787 PRATT 3 115 0.9301 0.9534
58797 SUNCITY3 115 0.9485 0.9895

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58766 [GBENDTP3115.00] TO BUS 58778 [MULGREN3115.00] CKT 1 ----- CONTINGENCY SINGLE 28
*** NONE ***

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58766 GBENDTP3 115 0.9390 0.9976 58787 PRATT 3 115 0.9296 0.9534
 58792 SEWARD 3 115 0.9387 0.9801 58796 ST-JOHN3 115 0.9324 0.9634

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58766 [GBENDTP3115.00] TO BUS 58792 [SEWARD 3115.00] CKT 1 ----- CONTINGENCY SINGLE 29
 *** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58787 PRATT 3 115 0.9288 0.9534 58792 SEWARD 3 115 0.9372 0.9801
 58796 ST-JOHN3 115 0.9314 0.9634

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58768 [HARPER 4138.00] TO BUS 58775 [MILANTP4138.00] CKT 1 ----- CONTINGENCY SINGLE 33
 *** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58768 HARPER 4 138 0.9061 0.9999 58773 MED-LDG3 115 0.9249 0.9794
 58774 MED-LDG4 138 0.9229 0.9895 58787 PRATT 3 115 0.9165 0.9534
 58797 SUNCITY3 115 0.9455 0.9895 58813 HARPER 134.5 0.9322 1.0448

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58774 [MED-LDG4138.00] CKT 1 ----- CONTINGENCY SINGLE 44
 *** NONE ***

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58813 HARPER 134.5 1.0655 1.0448

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1 ----- CONTINGENCY SINGLE 45
 *** NONE ***

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58813 HARPER 134.5 1.0660 1.0448 58817 MED-LDG134.5 1.0844 1.0438
 58833 SUNCITY134.5 1.0825 1.0495

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.8974 0.9534 58796 ST-JOHN3 115 0.9338 0.9634

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 46
 *** NONE ***

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 58810 GRNBURG134.5 1.0834 1.0482 58833 SUNCITY134.5 1.1041 1.0495
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9461 0.9794 58787 PRATT 3 115 0.9292 0.9534

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58779 [MULGREN6230.00] TO BUS 58795 [SPEARVL6230.00] CKT 1 ----- CONTINGENCY SINGLE 54
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9499 0.9838

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58782 [NLBTAP3115.00] TO BUS 58837 [NLIB 3115.00] CKT 1 ----- CONTINGENCY SINGLE 59
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58816 E-LIBER134.5 1.0690 1.0475 58829 S-LIBER134.5 1.0670 1.0448

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58787 [PRATT 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 ----- CONTINGENCY SINGLE 67
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9139 0.9534

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58792 [SEWARD 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 ----- CONTINGENCY SINGLE 73
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9137 0.9534 58796 ST-JOHN3 115 0.9120 0.9634

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58779 [MULGREN6230.00] TO BUS 56601 [HEIZER 3115.00] CKT 1 ----- CONTINGENCY SINGLE 89
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9329 0.9838

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58786 [PLAINVL3115.00] TO BUS 56551 [SALINE 3115.00] CKT 1 ----- CONTINGENCY SINGLE 91
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58785 PHLBURG3 115 0.9323 0.9856 58786 PLAINVL3 115 0.9269 0.9916

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E SUN, APR 02 2000 20:45

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58795 [SPEARVL6230.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SINGLE 93
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9482 0.9838 58791 SATANTA3 115 0.9499 0.9748

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 56446 [HLCXFMR6230.00] TO BUS 56449 [HOLCOMB7345.00] CKT 1 ----- CONTINGENCY SPP-16
OPEN LINE FROM BUS 56446 [HLCXFMR6230.00] TO BUS 56448 [HOLCOMB3115.00] CKT 1
OPEN LINE FROM BUS 56446 [HLCXFMR6230.00] TO BUS 56450 [HOLCTER113.800] CKT 1
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58791 SATANTA3 115 0.9492 0.9748

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X----- MULTI-SECTION LINE GROUPINGS -----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 56469 [SPERVIL7345.00] TO BUS 56470 [SPERXFR6287.00] CKT 1 ----- CONTINGENCY SPP-17
OPEN LINE FROM BUS 56470 [SPERXFR6287.00] TO BUS 58795 [SPEARVL6230.00] CKT 1
OPEN LINE FROM BUS 56468 [SPERTER113.800] TO BUS 56470 [SPERXFR6287.00] CKT 1
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9455 0.9838 58791 SATANTA3 115 0.9496 0.9748

9. 01 WINTER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:06
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	139.5	373.4	0.0	0.0	0.0	-249.1	15.1	-249.0
WEPL	6.7	126.2	-146.9	0.0	122.6	55.3	94.7	
TOTALS	139.5	373.4	0.0	0.0	0.0	-249.1	15.1	-249.0
	6.7	126.2	-146.9	0.0	122.6	55.3	94.7	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:07
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL] 515 [SWPA]	1	-20.0			
539 [WEPL] 534 [SUNC]	1	-50.0			
539 [WEPL] 534 [SUNC]	2	-2.0			
539 [WEPL] 536 [WERE]	1	-165.0			
539 [WEPL] 536 [WERE]	2	2.0			
539 [WEPL] 536 [WERE]	3	-14.0	-249.0	-249.0	

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:07
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0	0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000			
58753	CIM-PLT113.8	-2	2	0	0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000			
58755	CLIFTON113.8	-2	1	0	0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000			
58770	JUD-LRG113.8	2	4	1	139.5	6.7	98.0	-45.0	143.0	30.0	1	1.000			
58777	MULGREN113.8	-2	3	0	0.0	0.0	34.0	-16.0	93.0	30.0	1	1.000			

D. TRANSFORMER DATA

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

TRANSFORMER DATA

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0313	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9812	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0000	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0625	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0313	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0125	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0063	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0000	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	0.9937	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0375	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0187	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9750	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0375	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0688	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0313	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0063	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0250	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0688	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0187	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0313	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0313	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0313	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0313	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0250	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0313	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0125	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0375	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0812	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0688	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0125	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0313	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0063	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0562	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0438	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.1000	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0875	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0500	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

4. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAT. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:09
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:10
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax01WP.sgf
SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
MONITORED ELEMENT FILE: opsm0n539.txt
CONTINGENCY DESCRIPTION FILE: opacon2k.txt

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58752 [CMRIVTP3115.00] TO BUS 58759 [CUDAHY 3115.00] CKT 1 ----- CONTINGENCY SINGLE 3
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58806 CUDAHY 134.5 1.0752 1.0428

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9229 0.9697 58753 CIM-PLT113.8 0.9120 0.9595
58754 CIM-PLT3 115 0.9239 0.9675 58772 E-LIBER3 115 0.9226 0.9662
58782 NLBTAP3 115 0.9215 0.9653 58790 S-LIBER3 115 0.9218 0.9655
58791 SATANTA3 115 0.9422 0.9719 58800 W-LIBER3 115 0.9175 0.9615
58837 NLIB 3 115 0.9199 0.9638

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58759 [CUDAHY 3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 13
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9216 0.9697 58753 CIM-PLT113.8 0.9106 0.9595
58754 CIM-PLT3 115 0.9226 0.9675 58759 CUDAHY 3 115 0.9205 0.9899
58772 E-LIBER3 115 0.9213 0.9662 58782 NLBTAP3 115 0.9202 0.9653
58790 S-LIBER3 115 0.9205 0.9655 58791 SATANTA3 115 0.9410 0.9719
58800 W-LIBER3 115 0.9162 0.9615 58837 NLIB 3 115 0.9186 0.9638

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1 ----- CONTINGENCY SINGLE 45
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0624 1.0376 58833 SUNCITY134.5 1.0654 1.0444

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9382 0.9870

X----- CONTINGENCY EVENTS -----X X-- OVERLOADED LINES --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 46
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0674 1.0470 58833 SUNCITY134.5 1.0742 1.0444

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E SUN, APR 02 2000 20:50

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2001 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58800 [W-LIBER3115.00] TO BUS 58837 [NLIB 3115.00] CKT 1 ----- CONTINGENCY SINGLE 83
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58838 NLIB 134.5 1.0669 1.0457

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 58754 [CIM-PLT3115.00] TO BUS 56455 [NCIMARN3115.00] CKT 1 ----- CONTINGENCY SINGLE 87
*** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58830 SATANTA134.5 1.0670 1.0385

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58752 CMRIVTP3 115 0.9240 0.9697 58753 CIM-PLT113.8 0.9065 0.9595
58754 CIM-PLT3 115 0.9187 0.9675 58772 E-LIBER3 115 0.9203 0.9662
58782 NLIBTAP3 115 0.9187 0.9653 58790 S-LIBER3 115 0.9194 0.9655
58800 W-LIBER3 115 0.9146 0.9615 58837 NLIB 3 115 0.9170 0.9638

9. J4 SUMMER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:21
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	248.2	569.4	0.0	0.0	0.0	-339.0	17.8	-339.0
WEPL	45.6	190.1	-202.4	0.0	123.6	65.8	115.7	
TOTALS	248.2	569.4	0.0	0.0	0.0	-339.0	17.8	-339.0
	45.6	190.1	-202.4	0.0	123.6	65.8	115.7	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:23
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL] 515 [SWPA]	1	-20.0			
539 [WEPL] 534 [SUNC]	2	-2.0			
539 [WEPL] 534 [SUNC]	3	-140.0			
539 [WEPL] 536 [WERE]	1	-165.0			
539 [WEPL] 536 [WERE]	2	2.0			
539 [WEPL] 536 [WERE]	3	-14.0	-339.0	-339.0	

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:23
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	2	1	1		40.0	12.9	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	2	1	1		30.0	0.9	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	2	4	1		123.2	17.7	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN113.8	2	3	1		55.0	14.1	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:22
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL TRANSFORMER DATA
 2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0562	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	1.0063	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0125	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0625	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0375	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0688	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0313	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0000	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0250	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0313	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0688	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	1.0250	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0438	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0313	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0812	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0187	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0375	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0688	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0375	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0688	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0562	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0562	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0812	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0500	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0875	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0500	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0812	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0625	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0625	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0313	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0500	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0875	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0750	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0812	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0812	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0688	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RATL. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:25
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT
* NONE *		

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:26
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
* NONE *					

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
58787 PRATT	3 115 539	0.9418	108.30		

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2004 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax04SP.agf
 SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
 MONITORED ELEMENT FILE: opsmon539.txt
 CONTINGENCY DESCRIPTION FILE: opscon2k.txt

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 BASE CASE

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9418 0.9418

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58757 [CONCORD3115.00] TO BUS 58758 [CONCORD6230.00] CKT 1 ----- CONTINGENCY SINGLE 9

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58763 GLENELD3 115 0.9477 0.9963 58785 PHLBURG3 115 0.9418 0.9784
 58793 SMITH-C3 115 0.9407 0.9871

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 24

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58764 GRNBURG3 115 0.9498 0.9963 58773 MED-LDG3 115 0.9370 0.9689
 58774 MED-LDG4 138 0.9436 0.9757 58787 PRATT 3 115 0.9180 0.9418
 58797 SUNCITY3 115 0.9433 0.9813

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 25

*** NONE ***

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0748 1.0426

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9320 0.9689 58774 MED-LDG4 138 0.9414 0.9757
 58787 PRATT 3 115 0.9158 0.9418 58797 SUNCITY3 115 0.9324 0.9813

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58766 [GBENDTP3115.00] TO BUS 58778 [MULGREN3115.00] CKT 1 ----- CONTINGENCY SINGLE 28

*** NONE ***

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58766 GBENDTP3 115 0.9272 0.9939 58787 PRATT 3 115 0.9144 0.9418
 58792 SEWARD 3 115 0.9269 0.9739 58796 ST-JOHN3 115 0.9192 0.9541

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AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500:
58810 GRNBURGR134.5 1.0636 1.0426
X-----X V-CONT V-INIT
58813 HARPER 134.5 1.0666 1.0431
X-----X V-CONT V-INIT
58817 MED-LDQ134.5 1.0784 1.0359
X-----X V-CONT V-INIT
58796 ST-JOHN13 115 0.9224 0.9541
AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500:
58787 PRATT 3 115 0.8821 0.9418
X-----X V-CONT V-INIT

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-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 -----CONFIDENCY SINGLE 46

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0815 1.0426 58833 SUNCITY134.5 1.1065 1.0440
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9314 0.9689 58774 MED-LDG4 138 0.9414 0.9757
 58787 PRATT 3 115 0.9157 0.9418

-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58782 [NLBTPA3115.00] TO BUS 58837 [NLB 3115.00] CKT 1 -----CONFIDENCY SINGLE 59

NONE

X-----BUS-----X-V-CONT V-INIT X-----BUS-----X-V-CONT V-INIT
 58816 E-LIBER134.5 1.0645 1.0430 58829 S-LIBER134.5 1.0676 1.0451

-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58784 [OTISSUB3115.00] TO BUS 58823 [OTISSUB134.500] CKT 1 -----CONFIDENCY SINGLE 61

58784+OTISSUB3 115 58823 OTISSUB134.5 2 4.6 8.5 8.0 105.9

-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58784 [OTISSUB3115.00] TO BUS 58823 [OTISSUB134.500] CKT 2 -----CONFIDENCY SINGLE 62

58784+OTISSUB3 115 58823 OTISSUB134.5 1 3.7 8.0 108.9

-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58787 [PRATT 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 -----CONFIDENCY SINGLE 68

NONE

X-----BUS-----X-V-CONT V-INIT X-----BUS-----X-V-CONT V-INIT
 58773 MED-LDG3 115 0.9377 0.9689 58774 MED-LDG4 138 0.9467 0.9757
 58787 PRATT 3 115 0.8906 0.9418

-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58792 [SEWARD 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 -----CONFIDENCY SINGLE 74

NONZ

X-----BUS-----X-V-CONT V-INIT X-----BUS-----X-V-CONT V-INIT
 58773 MED-LDG3 115 0.9418 0.9689 58787 PRATT 3 115 0.8967 0.9418
 58796 ST-JOHN3 115 0.8966 0.9541

-----X-----CONTINGENCY EVENTS-----X-----OVERLOAD LINES--X--MVA(MW)FLOW--X
 X----MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58779 [MULGRENE230.00] TO BUS 56601 [HEIZER 3115.00] CKT 1 -----CONFIDENCY SINGLE 90

*** NONE ***

X-----BUS-----X-V-CONT V-INIT X-----BUS-----X-V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALBXNDR3 115 0.9326 0.9866

11 104 WINTER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:46
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	163.2	398.6	0.0	0.0	0.0	-248.9	13.5	-249.0
WEPL	13.2	134.6	-142.2	0.0	126.0	66.2	80.6	
TOTALS	163.2	398.6	0.0	0.0	0.0	-248.9	13.5	-249.0
	13.2	134.6	-142.2	0.0	126.0	66.2	80.6	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:47
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X--TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-165.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-249.0	-249.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:47
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT	113.8	-2	1	0	0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT	113.8	-2	2	0	0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON	113.8	-2	1	0	0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG	113.8	2	4	1	123.2	7.8	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN	113.8	2	3	1	40.0	5.4	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E

MON, APR 03 2000 15:48

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

TRANSFORMER DATA

2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0250	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	1.0000	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0125	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0562	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0250	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0250	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0250	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	0.9937	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0438	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0375	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0187	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9937	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0313	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0562	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0375	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0000	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0250	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0750	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0250	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0313	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0313	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0313	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0375	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0250	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0375	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0125	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0375	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0688	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0500	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0250	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0250	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0063	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0500	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0500	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0938	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0688	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0500	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAT. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:49
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]

BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 15:50
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

2004 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: dfa04wp.agf

SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE

MONITORED ELEMENT FILE: opamon539.txt

CONTINGENCY DESCRIPTION FILE: opacon2k.txt

X-----CONTINGENCY R V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X

X-----MULTI-SECTION LINE GROUPINGS-----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT

OPEN LINE FROM BUS 58756 [CLIFTON3115.00] TO BUS 58765 [GRNLEAF3115.00] CKT 1-----CONTINGENCY SINGLE 7

*** NONE ***

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58804 CLIFSUB314.5 1.0622 1.0400

X-----CONTINGENCY R V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X

X-----MULTI-SECTION LINE GROUPINGS-----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT

OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1-----CONTINGENCY SINGLE 45

*** NONE ***

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG314.5 1.0703 1.0406

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0667 1.0424

X-----CONTINGENCY R V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X

X-----MULTI-SECTION LINE GROUPINGS-----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT

OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1-----CONTINGENCY SINGLE 46

*** NONE ***

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0706 1.0424

X-----CONTINGENCY R V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X

X-----MULTI-SECTION LINE GROUPINGS-----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT

OPEN LINE FROM BUS 58782 [NLIBTAP3115.00] TO BUS 58837 [NLIB 3115.00] CKT 1-----CONTINGENCY SINGLE 59

*** NONE ***

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58816 E-LIBER134.5 1.0705 1.0484

AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58829 S-LIBER134.5 1.0685 1.0459

X-----CONTINGENCY R V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X

X-----MULTI-SECTION LINE GROUPINGS-----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT

OPEN LINE FROM BUS 58754 [CIM-PLT3115.00] TO BUS 56455 [NCIMARN3115.00] CKT 1-----CONTINGENCY SINGLE 88

*** NONE ***

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT

AREA 539 BUSES WITH VOLTAGE GREATER THAN 0.9500: 58752 CMRVT1P3 115 0.9113 0.9856

58754 CIM-PLT3 115 0.9056 0.9847

58753 CIM-PLT13.8 0.8907 0.9771

58759 CUDAHY 3 115 0.9489 0.9982

58772 E-LIBER3 115 0.9075 0.9822

58782 NLIBTAP3 115 0.9056 0.9814

58800 W-LIBER3 115 0.9011 0.9773

58837 NLIB 3 115 0.9037 0.9797

11 006 SUMMER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:00
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	288.9	595.6	0.0	0.0	0.0	-324.9	18.3	-325.0
WEPL	43.1	198.7	-207.9	0.0	124.3	54.7	121.8	
TOTALS	288.9	595.6	0.0	0.0	0.0	-324.9	18.3	-325.0
	43.1	198.7	-207.9	0.0	124.3	54.7	121.8	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:01
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X---TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-241.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-325.0	-325.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:01
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	2	1	1		50.0	13.7	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	2	1	1		40.0	-0.6	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	2	4	1		128.9	20.4	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN113.8	2	3	1		70.0	9.6	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:02
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL TRANSFORMER DATA
 2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0562	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	1.0063	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0187	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0688	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0375	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0313	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0250	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	1.0000	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	1.0313	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0438	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0688	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	1.0187	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0438	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0375	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0812	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0187	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0375	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0812	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0313	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0688	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0562	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0562	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0750	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0438	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0688	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0125	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0562	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0875	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0688	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0625	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0375	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0438	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0812	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0812	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0875	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0938	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0688	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RAT. SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:03
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100% OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT (MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:03
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
-------------------	------------	-------	-------------------	------------	-------

* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
-------------------	------------	-------	-------------------	------------	-------

* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B & ACCC VOLTAGE REPORT

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfax06SP.sgf

SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE

MONITORED ELEMENT FILE: opemon539.txt

CONTINGENCY DESCRIPTION FILE: opacon2k.txt

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58757 [CONCORD3115.00] TO BUS 58758 [CONCORD6230.00] CKT 1 ----- CONTINGENCY SINGLE 9
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58763 GLENELD3 115 0.9443 0.9969 58769 JEWELL 3 115 0.9473 1.0015
 58785 PHLBURG3 115 0.9403 0.9791 58793 SMITH-C3 115 0.9387 0.9880

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1 ----- CONTINGENCY SINGLE 24
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9469 0.9754 58787 PRATT 3 115 0.9363 0.9581

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58764 [GRNBURG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 25
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0719 1.0445

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9422 0.9754 58774 MED-LDG4 138 0.9483 0.9795
 58787 PRATT 3 115 0.9343 0.9581 58797 SUNCITY3 115 0.9424 0.9858

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58766 [GBENDTP3115.00] TO BUS 58792 [SEWARD 3115.00] CKT 1 ----- CONTINGENCY SINGLE 29
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9380 0.9581

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58768 [HARPER 4138.00] TO BUS 58775 [MILANTP4138.00] CKT 1 ----- CONTINGENCY SINGLE 33
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58768 HARPER 4 138 0.8911 0.9849 58773 MED-LDG3 115 0.9169 0.9754
 58774 MED-LDG4 138 0.9129 0.9795 58787 PRATT 3 115 0.9173 0.9581

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

58797 SUNCITY3 115 0.9377 0.9858 58813 HARPER 134.5 0.9192 1.0374

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1 ----- CONTINGENCY SINGLE 45
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0677 1.0417 58833 SUNCITY134.5 1.0614 1.0399

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9173 0.9581

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1 ----- CONTINGENCY SINGLE 46
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0778 1.0445 58833 SUNCITY134.5 1.0927 1.0399

AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9420 0.9754 58774 MED-LDG4 138 0.9487 0.9795
 58787 PRATT 3 115 0.9345 0.9581

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58782 [NLBTAP3115.00] TO BUS 58837 [NLIB 3115.00] CKT 1 ----- CONTINGENCY SINGLE 59
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58816 E-LIBER134.5 1.0682 1.0445 58829 S-LIBER134.5 1.0694 1.0446

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58784 [OTISSUB3115.00] TO BUS 58823 [OTISSUB134.500] CKT 1 ----- CONTINGENCY SINGLE 61
 58784*OTISSUB3 115 58823 OTISSUB134.5 2 4.9 8.9 8.0 111.7

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58784 [OTISSUB3115.00] TO BUS 58823 [OTISSUB134.500] CKT 2 ----- CONTINGENCY SINGLE 62
 58784*OTISSUB3 115 58823 OTISSUB134.5 1 3.8 9.1 8.0 113.9

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58785 [PHLBURG3115.00] TO BUS 58786 [PLAINVL3115.00] CKT 1 ----- CONTINGENCY SINGLE 63
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58785 PHLBURG3 115 0.9485 0.9791

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2006 SUMMER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58787 [PRATT 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 ----- CONTINGENCY SINGLE 68
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58773 MED-LDG3 115 0.9213 0.9754 58774 MED-LDG4 138 0.9310 0.9795
 58787 PRATT 3 115 0.8694 0.9581 58797 SUNCITY3 115 0.9413 0.9858
 58826 PRATT 134.5 0.9445 1.0425

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58792 [SEWARD 3115.00] TO BUS 58796 [ST-JOHN3115.00] CKT 1 ----- CONTINGENCY SINGLE 74
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9325 0.9581 58796 ST-JOHN3 115 0.9479 0.9801

X----- C O N T I N G E N C Y E V E N T S -----X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
 X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58779 [MULGREN6230.00] TO BUS 56601 [HEIZER 3115.00] CKT 1 ----- CONTINGENCY SINGLE 90
 *** NONE ***

X----- BUS -----X V-CONT V-INIT X----- BUS -----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58751 ALEXNDR3 115 0.9392 0.9905

1. 2006 WINTER PEAK

A. AREA 539 TOTALS

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:10
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL AREA TOTALS
 2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES IN MW/MVAR

AREA	FROM GENERATION	TO LOAD	TO BUS SHUNT	TO LINE SHUNT	FROM CHARGING	TO NET INT	LOSSES	DESIRED NET INT
539	181.1	416.9	0.0	0.0	0.0	-248.9	13.2	-249.0
WEPL	9.0	140.5	-152.8	0.0	127.2	63.9	84.6	
TOTALS	181.1	416.9	0.0	0.0	0.0	-248.9	13.2	-249.0
	9.0	140.5	-152.8	0.0	127.2	63.9	84.6	

B. INTER-AREA TRANSFER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:11
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL INTER-AREA
 2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES TRANSFER DATA

X--FROM AREA-X	X---TO AREA--X	ID	PTRANS	PTOTAL	DESINT
539 [WEPL]	515 [SWPA]	1	-20.0		
539 [WEPL]	534 [SUNC]	1	-50.0		
539 [WEPL]	534 [SUNC]	2	-2.0		
539 [WEPL]	536 [WERE]	1	-165.0		
539 [WEPL]	536 [WERE]	2	2.0		
539 [WEPL]	536 [WERE]	3	-14.0	-249.0	-249.0

C. GENERATOR UNIT DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:11
 1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL GENERATOR
 2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES UNIT DATA

BUS#	NAME	BSKV	CD	ID	ST	PGEN	QGEN	QMAX	QMIN	PMAX	PMIN	OWN	FRACT
58753	CIM-PLT113.8	-2	1	0		0.0	0.0	28.0	-15.0	58.0	25.0	1	1.000
58753	CIM-PLT113.8	-2	2	0		0.0	0.0	10.0	-5.0	14.0	2.0	1	1.000
58755	CLIFTON113.8	-2	1	0		0.0	0.0	32.0	-15.0	70.0	5.0	1	1.000
58770	JUD-LRG113.8	2	4	1		126.1	5.2	98.0	-45.0	143.0	30.0	1	1.000
58777	MULGREN113.8	2	3	1		55.0	3.7	34.0	-16.0	93.0	30.0	1	1.000

D. TRANSFORMER DATA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E

MON, APR 03 2000 16:12

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL

TRANSFORMER DATA

2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

FROM	TO	CKT	TP	RATIO	ANGLE	RG	CONT	RMAX	RMIN	VMAX	VMIN	STEP	TABLE	CR	CX
56470	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56565	58792	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
56601	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58751	58802	1	T	1.0250	0.00	1	-58802	1.1000	0.9000	1.0500	1.0300	0.00625			
58753	58754	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58755	58756	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58756	58804	1	T	0.9812	0.00	1	-58804	1.1000	0.9000	1.0500	1.0300	0.00625			
58757	58758	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58757	58805	1	T	1.0000	0.00	1	-58805	1.1000	0.9000	1.0500	1.0300	0.00625			
58759	58806	1	T	1.0562	0.00	1	-58806	1.1000	0.9000	1.0500	1.0300	0.00625			
58761	58807	1	T	1.0250	0.00	1	-58807	1.1000	0.9000	1.0500	1.0300	0.00625			
58762	58808	1	T	1.0187	0.00	1	-58808	1.1000	0.9000	1.0500	1.0300	0.00625			
58763	58809	1	T	1.0063	0.00	1	-58809	1.1000	0.9000	1.0500	1.0300	0.00625			
58764	58810	1	T	0.9875	0.00	1	-58810	1.1000	0.9000	1.0500	1.0300	0.00625			
58765	58811	1	T	0.9937	0.00	1	-58811	1.1000	0.9000	1.0500	1.0300	0.00625			
58767	58812	1	T	1.0375	0.00	1	-58812	1.1000	0.9000	1.0500	1.0300	0.00625			
58768	58813	1	T	1.0187	0.00	1	-58813	1.1000	0.9000	1.0500	1.0300	0.00625			
58769	58814	1	T	0.9750	0.00	1	-58814	1.1000	0.9000	1.0500	1.0300	0.00625			
58770	58771	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58771	58815	1	T	1.0313	0.00	1	-58815	1.1000	0.9000	1.0500	1.0300	0.00625			
58772	58816	1	T	1.0562	0.00	1	-58816	1.1000	0.9000	1.0500	1.0300	0.00625			
58773	58774	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58773	58817	1	T	1.0375	0.00	1	-58817	1.1000	0.9000	1.0500	1.0300	0.00625			
58776	58818	1	T	1.0000	0.00	1	-58818	1.1000	0.9000	1.0500	1.0300	0.00625			
58777	58778	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58779	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58778	58819	1	T	1.0187	0.00	1	-58819	1.1000	0.9000	1.0500	1.0300	0.00625			
58780	58820	1	T	1.0438	0.00	1	-58820	1.1000	0.9000	1.0500	1.0300	0.00625			
58781	58821	1	T	1.0188	0.00	1	-58821	1.1000	0.9000	1.0500	1.0300	0.00625			
58783	58822	1	T	1.0250	0.00	1	-58822	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	1	T	1.0250	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58784	58823	2	T	1.0250	0.00	1	-58823	1.1000	0.9000	1.0500	1.0300	0.00625			
58785	58824	1	T	1.0313	0.00	1	-58824	1.1000	0.9000	1.0500	1.0300	0.00625			
58786	58825	1	T	1.0250	0.00	1	-58825	1.1000	0.9000	1.0500	1.0300	0.00625			
58787	58826	1	T	1.0375	0.00	1	-58826	1.1000	0.9000	1.0500	1.0300	0.00625			
58788	58827	1	T	1.0063	0.00	1	-58827	1.1000	0.9000	1.0500	1.0300	0.00625			
58789	58828	1	T	1.0313	0.00	1	-58828	1.1000	0.9000	1.0500	1.0300	0.00625			
58790	58829	1	T	1.0750	0.00	1	-58829	1.1000	0.9000	1.0500	1.0300	0.00625			
58791	58830	1	T	1.0562	0.00	1	-58830	1.1000	0.9000	1.0500	1.0300	0.00625			
58793	58831	1	T	1.0125	0.00	1	-58831	1.1000	0.9000	1.0500	1.0300	0.00625			
58794	58795	1	F	1.0000	0.00	1	0	1.5000	0.5100	1.5000	0.5100	0.00625			
58794	58832	1	T	1.0250	0.00	1	-58832	1.1000	0.9000	1.0500	1.0300	0.00625			
58797	58833	1	T	1.0063	0.00	1	-58833	1.1000	0.9000	1.0500	1.0300	0.00625			
58798	58834	1	T	1.0500	0.00	1	-58834	1.1000	0.9000	1.0500	1.0300	0.00625			
58799	58835	1	T	1.0438	0.00	1	-58835	1.1000	0.9000	1.0500	1.0300	0.00625			
58800	58836	1	T	1.0938	0.00	1	-58836	1.1000	0.9000	1.0500	1.0300	0.00625			
58837	58838	1	T	1.0750	0.00	1	-58838	1.1000	0.9000	1.0500	1.0300	0.00625			
58839	58840	1	F	1.0438	0.00	1	-58839	1.1000	0.9000	1.0500	1.0300	0.00625			

E. BASE CASE BRANCH LOADINGS ABOVE 100% OF RATING SET A:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:13
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
OUTPUT FOR AREA 539 [WEPL]
BRANCH LOADINGS ABOVE 100.0 % OF RATING SET A:

X-----FROM BUS-----X	X-----TO BUS-----X	CURRENT(MVA)
BUS NAME BSKV AREA	BUS NAME BSKV AREA	CKT LOADING RATING PERCENT

* NONE *

F. BASE CASE BUSES WITH VOLTAGE GREATER THAN 1.0500:

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, APR 03 2000 16:13
1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES

BUSES WITH VOLTAGE GREATER THAN 1.0500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

G. BASE CASE BUSES WITH VOLTAGE LESS THAN 0.9500:

X----- BUS -----X	AREA V(PU)	V(KV)	X----- BUS -----X	AREA V(PU)	V(KV)
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* NONE *

ACCC OVERLOAD REPORT MONITORED ELEMENTS LOADED OVER 100.0 % OF RATING SET B & ACCC VOLTAGE RPT.

1-2000 SOUTHWEST POWER POOL BASE CASE POWER FLOW MODEL
 2006 WINTER PEAK - UTILICORP BASE CASE WITH WERE CHANGES
 *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
 *** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: Dfacc06wmp.sgt
 SUBSYSTEM DESCRIPTION FILE: USER DIALOGUE
 MONITORED ELEMENT FILE: opamon539.txt
 CONTINGENCY DESCRIPTION FILE: opacon2k.txt

X-----CONTINGENCY E V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X
 X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58752 [CMRIVT3115.00] TO BUS 58759 [CUDAHY 3115.00] CKT 1-----CONTINGENCY SINGLE 3

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58806 CUDAHY 134.5 1.0664 1.0442
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9499 0.9748

X-----CONTINGENCY E V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X
 X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58757 [CONCORD3115.00] TO BUS 58758 [CONCORD6230.00] CKT 1-----CONTINGENCY SINGLE 9

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58805 CONCORD134.5 0.9480 1.0364

X-----CONTINGENCY E V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X
 X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58759 [CUDAHY 3115.00] TO BUS 58771 [JUD-LRG3115.00] CKT 1-----CONTINGENCY SINGLE 13

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58753 CIM-PLT113.8 0.9489 0.9748

X-----CONTINGENCY E V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X
 X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58787 [PRATT 3115.00] CKT 1-----CONTINGENCY SINGLE 45

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58817 MED-LDG134.5 1.0618 1.0342
 AREA 539 BUSES WITH VOLTAGE LESS THAN 0.9500: 58787 PRATT 3 115 0.9362 0.9790

X-----CONTINGENCY E V E N T S-----X X--O V E R L O A D E D L I N E S--X X--MVA(MW) FLOW--X
 X----MULTI-SECTION LINE GROUPINGS----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
 OPEN LINE FROM BUS 58773 [MED-LDG3115.00] TO BUS 58797 [SUNCITY3115.00] CKT 1-----CONTINGENCY SINGLE 46

X-----BUS-----X V-CONT V-INIT X-----BUS-----X V-CONT V-INIT
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58810 GRNBURG134.5 1.0532 1.0304
 AREA 539 BUSES WITH VOLTAGE GREATER THAN 1.0500: 58833 SUNCITY134.5 1.0706 1.0356