

**BEFORE THE
PUBLIC UTILITIES COMMISSION OF OHIO**

THE DAYTON POWER AND LIGHT COMPANY

CASE NO. 16-0395-EL-SSO

CASE NO. 16-0397-EL-AAM

CASE NO. 16-0396-EL-ATA

2016 ELECTRIC SECURITY PLAN

**VOLUME 3 OF 8 – TESTIMONY
WITNESS GRANDE-MORAN**

Dayton Power and Light Company

DP&L Case No. 16-0395-EL-SSO

Table of Contents

Vol #	Witness	Description
1	N/A	Application
1	N/A	Tariffs
2	Robert J. Adams	Distribution Investment Rider rate design; typical bill impacts
2	Eric R. Brown	Competitive bidding process; renewable energy in competitive bidding process; competitive bidding prices; Standard Offer Rate design
2	Angelique Collier	Compliance with environmental regulations
2-4	Carlos Grande-Moran	Reliability effects of closure of at-risk generation plants
5	Claire E. Hale	RER rate design; Clean Energy Rider; information sharing and Commission oversight
5	Kevin L. Hall	Distribution Investment Rider
5	David Harrison	Economic impact of closure of generation plants
5	Craig L. Jackson	DP&L's financial statements; DP&L's request for an RER; cost of long-term debt; severability clause; significantly excessive earnings test
6	Robert J. Lee	Competitive Bidding Plan
7	R. Jeffrey Malinak	Financial need of the RER generation plants and DPL Inc.; ESP v. MRO test
7	Eugene T. Meehan	Projected market prices; price effects of closure of at-risk plants
7	Mark E. Miller	DP&L's generation assets; risks facing those assets
8	Roger A. Morin	Reasonable return on equity
8	Nathan C. Parke	Overall rate plan; tariff changes; Reconciliation Rider; Distribution Decoupling Rider
8	Thomas A. Raga	Overview of case filing

Appendix

A

AC Contingency Files

Appendix A includes the subsystem description *.sub data file, contingency description *.con data file and monitored element *.mon data file provided by PJM and used in the AC Contingency Analysis performed for this study.

A.1 Subsystem Description Data File

```
/PSS/E32.00
COM
COM SUBSYSTEM description file entry created by PSS®E Config File Builder
COM
SUBSYSTEM 'DPL_Set2'
SUBSYSTEM 'DPL_Set3&4'
JOIN 'GROUP5'
  Area 202
  Area 206
  Area 209
  Area 212
  Area 205
  Area 320
  KVRANGE 110.000 999.000
END
END

SUBSYSTEM 'DPL_500'
JOIN 'GROUP5'
  Area 202
  Area 206
  Area 209
  Area 212
  Area 205
  Area 320
  KVRANGE 499.000 501.00
END
END
/
SUBSYSTEM 'DPL_Voltage'
JOIN 'GROUP5'
  Area 202
  Area 206
  Area 209
  Area 212
  Area 205
  Area 320
  KVRANGE 110.000 498.000
```

AC Contingency Files

```
END
JOIN 'GROUP6'
Area 202
Area 206
Area 209
Area 212
Area 205
Area 320
KVRANGE 502.000 999.000
END
END

End
```

A.2 Contingency Description Data File

A.2.1 Single, Double and Multiple Contingencies

```

/*=====CONTINGENCY SUMMARY=====
/* Case: T:\rteplbase2019\BASE CASE\2019_RTEP_NonMTX_04012014.sav
/* Contingency File: T:\rteplbase2019\Contingency\2019_RTEP_Summer_Single_04012014.con
/* - AEP : 1689 (72 TIES)
/* - OVEC : 23 (7 TIES)
/* - DAY : 106 (13 TIES)
/* - DEO&K : 258 (20 TIES)
/* - EKPC : 99 (23 TIES)
/* From 2019_RTEP_Summer_Tower_04172014.con that contains only singe/double contingencies in AEP, OVEC, DAY, DEO&K
and EKPC
/*=====AEP=====
CONTINGENCY '8819_B2_TOR695A'
  OPEN BRANCH FROM BUS 242979 TO BUS 242986 CKT 1          / 242979 05CANNES 138 242986 05CROOKS 138 1
  OPEN BRANCH FROM BUS 242979 TO BUS 243074 CKT 1          / 242979 05CANNES 138 243074 05PHILO 138 1
  OPEN BRANCH FROM BUS 242979 TO BUS 245387 CKT 1          / 242979 05CANNES 138 245387 CANESV L 12.0 1
END
CONTINGENCY '8821_B2_TOR695B'
  OPEN BRANCH FROM BUS 243045 TO BUS 243062 CKT 1          / 243045 05MUSKNG 138 243062 05NMUSKG 138 1
END
CONTINGENCY '8820_B2_TOR695B'
  OPEN BRANCH FROM BUS 243062 TO BUS 243074 CKT 1          / 243062 05NMUSKG 138 243074 05PHILO 138 1
END
CONTINGENCY 'AP_BELMONT765_TIE'                          / BELMONT-KAMMER-MOUNTAINEER
  OPEN BUS 242920
END
CONTINGENCY 'AP_PARKERSBURG_TIE'                          / 243470 05BELPRE 138 235383 01PARKER 138 1
  OPEN BUS 243470
  OPEN BUS 243496
END
CONTINGENCY '775_B2_AA3'                                  /*BEVERLY-HOLLOWAY 345KV
  OPEN BRANCH FROM BUS 247130 TO BUS 242931 CKT 1          / 247130 05HOLLOW 242931 05BEVERL 345 1
END
CONTINGENCY '775_B2_AA4'                                  /*TIDD-HOLLOWAY 345KV
  OPEN BRANCH FROM BUS 247130 TO BUS 242946 CKT 1          / 247130 05HOLLOW 242946 05TIDD 345 1
END
CONTINGENCY '775_B2_AA5'                                  /*HOLLOWAY 345-138KV XFMR
  OPEN BRANCH FROM BUS 247130 TO BUS 247131 CKT 1          / 247130 05HOLLOW 247131 05HOLLOW
END
CONTINGENCY '4870_B1'
  REMOVE UNIT 1 FROM BUS 242922                            / 242922 05FLTLCK 765
END
CONTINGENCY '4871_B1'
  REMOVE UNIT 2 FROM BUS 242922                            / 242922 05FLTLCK 765
END
CONTINGENCY '4872_B1'
  REMOVE UNIT 3 FROM BUS 242922                            / 242922 05FLTLCK 765
END
CONTINGENCY '4873_B1'
  REMOVE UNIT 4 FROM BUS 242922                            / 242922 05FLTLCK 765
END
CONTINGENCY '4874_B1'
  REMOVE UNIT 5 FROM BUS 242922                            / 242922 05FLTLCK 765
END
CONTINGENCY '5057_B1'
  REMOVE UNIT 1A FROM BUS 242931                           / 242931 05BEVERL 345
END
CONTINGENCY '4875_B1'
  REMOVE UNIT 1B FROM BUS 242931                           / 242931 05BEVERL 345
END
CONTINGENCY '4876_B1'
  REMOVE UNIT 1S FROM BUS 242931                           / 242931 05BEVERL 345

```

END		
CONTINGENCY '4877_B1'		
REMOVE UNIT 1A FROM BUS 242934	/ 242934 05CORN	345
END		
CONTINGENCY '4878_B1'		
REMOVE UNIT 1B FROM BUS 242934	/ 242934 05CORN	345
END		
CONTINGENCY '4879_B1'		
REMOVE UNIT 1S FROM BUS 242934	/ 242934 05CORN	345
END		
CONTINGENCY '4880_B1'		
REMOVE UNIT 2A FROM BUS 242934	/ 242934 05CORN	345
END		
CONTINGENCY '4881_B1'		
REMOVE UNIT 2B FROM BUS 242934	/ 242934 05CORN	345
END		
CONTINGENCY '4882_B1'		
REMOVE UNIT 2S FROM BUS 242934	/ 242934 05CORN	345
END		
CONTINGENCY '5112_B1'		
REMOVE UNIT 1 FROM BUS 270000	/ 270000 05FOOT	345
END		
CONTINGENCY '5113_B1'		
REMOVE UNIT 2 FROM BUS 270000	/ 270000 05FOOT	345
END		
CONTINGENCY '4884_B1'		
REMOVE UNIT 4 FROM BUS 243233	/ 243233 05TANN	345
END		
CONTINGENCY '4860_B1'		
REMOVE UNIT 1A FROM BUS 242947	/ 242947 05WATER	345
END		
CONTINGENCY '4861_B1'		
REMOVE UNIT 1B FROM BUS 242947	/ 242947 05WATER	345
END		
CONTINGENCY '4862_B1'		
REMOVE UNIT 1C FROM BUS 242947	/ 242947 05WATER	345
END		
CONTINGENCY '4863_B1'		
REMOVE UNIT 1S FROM BUS 242947	/ 242947 05WATER	345
END		
CONTINGENCY '5109_B1'		
REMOVE UNIT 1 FROM BUS 270001	/ 270001 05ZELDA	345
END		
CONTINGENCY '5110_B1'		
REMOVE UNIT 2 FROM BUS 270001	/ 270001 05ZELDA	345
END		
CONTINGENCY '5111_B1'		
REMOVE UNIT 3 FROM BUS 270001	/ 270001 05ZELDA	345
END		
CONTINGENCY '4930_B1'		
REMOVE UNIT 1 FROM BUS 243243	/ 243243 05ANDCT	138
END		
CONTINGENCY '4931_B1'		
REMOVE UNIT 2 FROM BUS 243243	/ 243243 05ANDCT	138
END		
CONTINGENCY '4932_B1'		
REMOVE UNIT 3 FROM BUS 243243	/ 243243 05ANDCT	138
END		
CONTINGENCY '4898_B1'		
REMOVE UNIT 1 FROM BUS 242570	/ 242570 05BUCHAN	138
END		

CONTINGENCY '4899_B1'	
REMOVE UNIT 2 FROM BUS 242570	/ 242570 05BUCHAN 138
END	
CONTINGENCY '4919_B1'	
REMOVE UNIT 1 FROM BUS 242659	/ 242659 05GRNGST 138
END	
CONTINGENCY '4920_B1'	
REMOVE UNIT 2 FROM BUS 242659	/ 242659 05GRNGST 138
END	
CONTINGENCY '4921_B1'	
REMOVE UNIT 3 FROM BUS 242659	/ 242659 05GRNGST 138
END	
CONTINGENCY '4922_B1'	
REMOVE UNIT 4 FROM BUS 242659	/ 242659 05GRNGST 138
END	
CONTINGENCY '4923_B1'	
REMOVE UNIT 5 FROM BUS 242659	/ 242659 05GRNGST 138
END	
CONTINGENCY '4924_B1'	
REMOVE UNIT 6 FROM BUS 242659	/ 242659 05GRNGST 138
END	
CONTINGENCY '4901_B1'	
REMOVE UNIT 1 FROM BUS 242701	/ 242701 05LEESVI 138
END	
CONTINGENCY '4902_B1'	
REMOVE UNIT 1 FROM BUS 242750	/ 242750 05PHILPO 138
END	
CONTINGENCY '4913_B1'	
REMOVE UNIT 1 FROM BUS 242838	/ 242838 05TWELVE 138
END	
CONTINGENCY '4914_B1'	
REMOVE UNIT 2 FROM BUS 242838	/ 242838 05TWELVE 138
END	
CONTINGENCY '4915_B1'	
REMOVE UNIT 3 FROM BUS 242838	/ 242838 05TWELVE 138
END	
CONTINGENCY '4916_B1'	
REMOVE UNIT 4 FROM BUS 242838	/ 242838 05TWELVE 138
END	
CONTINGENCY '4917_B1'	
REMOVE UNIT 5 FROM BUS 242838	/ 242838 05TWELVE 138
END	
CONTINGENCY '4918_B1'	
REMOVE UNIT 6 FROM BUS 242838	/ 242838 05TWELVE 138
END	
CONTINGENCY '4935_B1'	
REMOVE UNIT 3 FROM BUS 242850	/ 242850 05WOLF1 138
END	
CONTINGENCY '4936_B1'	
REMOVE UNIT 4 FROM BUS 242850	/ 242850 05WOLF1 138
END	
CONTINGENCY '4937_B1'	
REMOVE UNIT 5 FROM BUS 242850	/ 242850 05WOLF1 138
END	
CONTINGENCY '4938_B1'	
REMOVE UNIT 1 FROM BUS 242851	/ 242851 05WOLF2 138
END	
CONTINGENCY '4939_B1'	
REMOVE UNIT 2 FROM BUS 242851	/ 242851 05WOLF2 138
END	
CONTINGENCY '4897_B1'	


```

REMOVE UNIT 1 FROM BUS 242906                / 242906 05CLAY-1 11.0
END
CONTINGENCY '4934_B1'
REMOVE UNIT 1 FROM BUS 242907                / 242907 05CLAY-2 11.0
END
CONTINGENCY '4834_B1_05AMOS 345-2'
OPEN BRANCH FROM BUS 242522 TO BUS 242892 CKT 2          / 242522 05AMOS 345 242892 05AMG2 26.0 2
REMOVE UNIT 2 FROM BUS 242892                / 242892 05AMG2 26.0
END
CONTINGENCY '4833_B1_05AMOS 765-1'
OPEN BRANCH FROM BUS 242508 TO BUS 242891 CKT 1          / 242508 05AMOS 765 242891 05AMG1 26.0 1
REMOVE UNIT 1 FROM BUS 242891                / 242891 05AMG1 26.0
END
CONTINGENCY '4965_B1_05AMOS 765-3'
OPEN BRANCH FROM BUS 242508 TO BUS 242893 CKT 3          / 242508 05AMOS 765 242893 05AMG3 26.0 3
REMOVE UNIT 3H FROM BUS 242893              / 242893 05AMG3 26.0
REMOVE UNIT 3L FROM BUS 242893              / 242893 05AMG3 26.0
END
CONTINGENCY '4858_B1_05B SAND 138-1'
OPEN BRANCH FROM BUS 243669 TO BUS 243764 CKT 1E        / 243669 05B SAND 138 243764 05BSG1 22.0 1E
OPEN BRANCH FROM BUS 243669 TO BUS 243764 CKT 1W        / 243669 05B SAND 138 243764 05BSG1 22.0 1W
REMOVE UNIT 1 FROM BUS 243764                / 243764 05BSG1 22.0
END
CONTINGENCY '4859_B1_05BAKER 345-2'
OPEN BRANCH FROM BUS 242523 TO BUS 243763 CKT 2          / 242523 05BAKER 345 243763 05BSG2 26.0 2
REMOVE UNIT 2 FROM BUS 243763                / 243763 05BSG2 26.0
END
CONTINGENCY '6447_B1_05BLCK-1 34.5-1'
OPEN BRANCH FROM BUS 246933 TO BUS 246936 CKT 1          / 246933 05BLCK-1 34.5 246936 05BLCK-1 C 0.69 1
OPEN BRANCH FROM BUS 246936 TO BUS 247908 CKT 1          / 246936 05BLCK-1 C 0.69 247908 05BLCK-1 E 0.69 1
REMOVE UNIT 1C FROM BUS 246936              / 246936 05BLCK-1 C 0.69
REMOVE UNIT 1E FROM BUS 247908              / 247908 05BLCK-1 E 0.69
END
CONTINGENCY '7354_B1_05BLCK-2 34.5-1'
OPEN BRANCH FROM BUS 246934 TO BUS 246937 CKT 1          / 246934 05BLCK-2 34.5 246937 05BLCK-2 C 0.69 1
OPEN BRANCH FROM BUS 246937 TO BUS 247909 CKT 1          / 246937 05BLCK-2 C 0.69 247909 05BLCK-2 E 0.69 1
REMOVE UNIT 1C FROM BUS 246937              / 246937 05BLCK-2 C 0.69
REMOVE UNIT 1E FROM BUS 247909              / 247909 05BLCK-2 E 0.69
END
CONTINGENCY '7355_B1_05BLCK-3 34.5-1'
OPEN BRANCH FROM BUS 246935 TO BUS 246938 CKT 1          / 246935 05BLCK-3 34.5 246938 05BLCK-3 C 0.69 1
OPEN BRANCH FROM BUS 246938 TO BUS 247910 CKT 1          / 246938 05BLCK-3 C 0.69 247910 05BLCK-3 E 0.69 1
REMOVE UNIT 1C FROM BUS 246938              / 246938 05BLCK-3 C 0.69
REMOVE UNIT 1E FROM BUS 247910              / 247910 05BLCK-3 E 0.69
END
CONTINGENCY '4835_B1_05CLNCHR 138-1'
OPEN BRANCH FROM BUS 242501 TO BUS 242605 CKT 1          / 242501 05CRG1EQ 999 242605 05CLNCHR 138 1
OPEN BRANCH FROM BUS 242501 TO BUS 242900 CKT 1L         / 242501 05CRG1EQ 999 242900 05CRG1L 15.5 1L
REMOVE UNIT 1H FROM BUS 242900              / 242900 05CRG1L 15.5
REMOVE UNIT 1L FROM BUS 242900              / 242900 05CRG1L 15.5
END
CONTINGENCY '4836_B1_05CLNCHR 138-2'
OPEN BRANCH FROM BUS 242502 TO BUS 242605 CKT 2          / 242502 05CRG2EQ 999 242605 05CLNCHR 138 2
OPEN BRANCH FROM BUS 242502 TO BUS 242902 CKT 2L         / 242502 05CRG2EQ 999 242902 05CRG2L 15.5 2L
REMOVE UNIT 2H FROM BUS 242902              / 242902 05CRG2L 15.5
REMOVE UNIT 2L FROM BUS 242902              / 242902 05CRG2L 15.5
END
CONTINGENCY '7399_B1_05CLOVRD 765-1'
OPEN BRANCH FROM BUS 242512 TO BUS 242524 CKT 10         / 242512 05CLOVRD 765 242524 05CLOVRD 345 10
END
CONTINGENCY '4854_B1_05CONES 345-4'

```

```
OPEN BRANCH FROM BUS 243455 TO BUS 243622 CKT 4          / 243455 05CONES 345 243622 05CVG4 26.0 4
REMOVE UNIT 4 FROM BUS 243622                          / 243622 05CVG4 26.0
END
CONTINGENCY '4855_B1_05CONES 345-5'
OPEN BRANCH FROM BUS 243455 TO BUS 243623 CKT 5          / 243455 05CONES 345 243623 05CVG5 24.0 5
REMOVE UNIT 5 FROM BUS 243623                          / 243623 05CVG5 24.0
END
CONTINGENCY '4856_B1_05CONES 345-6'
OPEN BRANCH FROM BUS 243455 TO BUS 243624 CKT 6          / 243455 05CONES 345 243624 05CVG6 24.0 6
REMOVE UNIT 6 FROM BUS 243624                          / 243624 05CVG6 24.0
END
CONTINGENCY '4864_B1_05CONVOY 345-1'
REMOVE UNIT 1 FROM BUS 242933                          / 242933 05RPMONE 345
END
CONTINGENCY '4865_B1_05CONVOY 345-2'
REMOVE UNIT 2 FROM BUS 242933                          / 242933 05RPMONE 345
END
CONTINGENCY '4866_B1_05CONVOY 345-3'
REMOVE UNIT 3 FROM BUS 242933                          / 242933 05RPMONE 345
END
CONTINGENCY '4851_B1_05COOK 345-1'
OPEN BRANCH FROM BUS 243215 TO BUS 243440 CKT 1          / 243215 05COOK 345 243440 05CKG1 26.0 1
REMOVE UNIT 1 FROM BUS 243440                          / 243440 05CKG1 26.0
END
CONTINGENCY '4852_B1_05COOK 765-2'
OPEN BRANCH FROM BUS 243205 TO BUS 243441 CKT 2          / 243205 05COOK 765 243441 05CKG2 26.0 2
REMOVE UNIT 2 FROM BUS 243441                          / 243441 05CKG2 26.0
END
CONTINGENCY '7008_B1_05COVRT1 16.0-G1'
REMOVE UNIT G1 FROM BUS 247528                        / 247528 05COVRT1 16.0
END
CONTINGENCY '7009_B1_05COVRT2 16.0-G2'
REMOVE UNIT G2 FROM BUS 247529                        / 247529 05COVRT2 16.0
END
CONTINGENCY '7010_B1_05COVRT3 16.0-G3'
REMOVE UNIT G3 FROM BUS 247530                        / 247530 05COVRT3 16.0
END
CONTINGENCY '7011_B1_05COVRT4 16.5-S1'
REMOVE UNIT S1 FROM BUS 247531                        / 247531 05COVRT4 16.5
END
CONTINGENCY '7012_B1_05COVRT5 16.5-S2'
REMOVE UNIT S2 FROM BUS 247532                        / 247532 05COVRT5 16.5
END
CONTINGENCY '7013_B1_05COVRT6 16.5-S3'
REMOVE UNIT S3 FROM BUS 247533                        / 247533 05COVRT6 16.5
END
CONTINGENCY '6389_B1_05DRES DN 138-1A'
REMOVE UNIT 1A FROM BUS 246770                        / 246770 05DRES DN 138
END
CONTINGENCY '6390_B1_05DRES DN 138-1B'
REMOVE UNIT 1B FROM BUS 246770                        / 246770 05DRES DN 138
END
CONTINGENCY '6391_B1_05DRES DN 138-1S'
REMOVE UNIT 1S FROM BUS 246770                        / 246770 05DRES DN 138
END
CONTINGENCY '6121_B1_05FR-11G 0.60-1'
OPEN BRANCH FROM BUS 246757 TO BUS 243859 CKT 1          / 246757 05FRCS11 34.5 243859 05FR-11G C 0.60 1
OPEN BRANCH FROM BUS 243859 TO BUS 247900 CKT 1          / 243859 05FR-11G C 0.60 247900 05FR-11G E 0.60 1
REMOVE UNIT 1C FROM BUS 243859                        / 243859 05FR-11G C 0.60
REMOVE UNIT 1E FROM BUS 247900                        / 247900 05FR-11G E 0.60
END
```

```

CONTINGENCY '6507_B1_05FR-12G 0.60-1'
  OPEN BRANCH FROM BUS 243860 TO BUS 243862 CKT 1          / 243860 05FRCS12 34.5 243862 05FR-12G C 0.60 1
  OPEN BRANCH FROM BUS 243862 TO BUS 247901 CKT 1          / 243862 05FR-12G C 0.60 247901 05FR-12G E 0.60 1
  REMOVE UNIT 1C FROM BUS 243862                          / 243862 05FR-12G C 0.60
  REMOVE UNIT 1E FROM BUS 247901                          / 247901 05FR-12G E 0.60
END
CONTINGENCY '6122_B1_05FR-21G 0.60-1'
  OPEN BRANCH FROM BUS 246758 TO BUS 243864 CKT 1          / 246758 05FRCS21 34.5 243864 05FR-21G C 0.60 1
  OPEN BRANCH FROM BUS 243864 TO BUS 247902 CKT 1          / 243864 05FR-21G C 0.60 247902 05FR-21G E 0.60 1
  REMOVE UNIT 1C FROM BUS 243864                          / 243864 05FR-21G C 0.60
  REMOVE UNIT 1E FROM BUS 247902                          / 247902 05FR-21G E 0.60
END
CONTINGENCY '6508_B1_05FR-22G 0.69-1'
  OPEN BRANCH FROM BUS 243865 TO BUS 243866 CKT 1          / 243865 05FRCS22 34.5 243866 05FR-22G C 0.69 1
  OPEN BRANCH FROM BUS 243866 TO BUS 247903 CKT 1          / 243866 05FR-22G C 0.69 247903 05FR-22G E 0.69 1
  REMOVE UNIT 1C FROM BUS 243866                          / 243866 05FR-22G C 0.69
  REMOVE UNIT 1E FROM BUS 247903                          / 247903 05FR-22G E 0.69
END
CONTINGENCY '6511_B1_05FR-3G 0.69-1'
  OPEN BRANCH FROM BUS 243868 TO BUS 243869 CKT 1          / 243868 05FRCS-3 34.5 243869 05FRCS-3 34.5 1
  OPEN BRANCH FROM BUS 243869 TO BUS 243870 CKT 1          / 243869 05FRCS-3 34.5 243870 05FR-3G C 0.69 1
  OPEN BRANCH FROM BUS 243870 TO BUS 247904 CKT 1          / 243870 05FR-3G C 0.69 247904 05FR-3G E 0.69 1
  REMOVE UNIT 1C FROM BUS 243870                          / 243870 05FR-3G C 0.69
  REMOVE UNIT 1E FROM BUS 247904                          / 247904 05FR-3G E 0.69
END
CONTINGENCY '6512_B1_05FR-4G 0.69-1'
  OPEN BRANCH FROM BUS 243872 TO BUS 243873 CKT 1          / 243872 05FRCS-4 34.5 243873 05FR-4G C 0.69 1
  OPEN BRANCH FROM BUS 243873 TO BUS 247905 CKT 1          / 243873 05FR-4G C 0.69 247905 05FR-4G E 0.69 1
  REMOVE UNIT 1C FROM BUS 243873                          / 243873 05FR-4G C 0.69
  REMOVE UNIT 1E FROM BUS 247905                          / 247905 05FR-4G E 0.69
END
CONTINGENCY '4959_B1_05GAVIN 765-1'
  OPEN BRANCH FROM BUS 242923 TO BUS 243186 CKT 1          / 242923 05GAVIN 765 243186 05GVG1 26.0 1
  REMOVE UNIT 1H FROM BUS 243186                          / 243186 05GVG1 26.0
  REMOVE UNIT 1L FROM BUS 243186                          / 243186 05GVG1 26.0
END
CONTINGENCY '4838_B1_05GAVIN 765-2'
  OPEN BRANCH FROM BUS 242923 TO BUS 243187 CKT 2          / 242923 05GAVIN 765 243187 05GVG2 26.0 2
  REMOVE UNIT 2H FROM BUS 243187                          / 243187 05GVG2 26.0
  REMOVE UNIT 2L FROM BUS 243187                          / 243187 05GVG2 26.0
END
CONTINGENCY '4847_B1_05KAMMER 345-2'
  OPEN BRANCH FROM BUS 242937 TO BUS 243189 CKT 2          / 242937 05KAMMER 345 243189 05MLG2 26.0 2
  REMOVE UNIT 2 FROM BUS 243189                          / 243189 05MLG2 26.0
END
CONTINGENCY '4846_B1_05KAMMER 765-1'
  OPEN BRANCH FROM BUS 242925 TO BUS 243188 CKT 1          / 242925 05KAMMER 765 243188 05MLG1 26.0 1
  REMOVE UNIT 1 FROM BUS 243188                          / 243188 05MLG1 26.0
END
CONTINGENCY '4885_B1_05KEYSTN 345-1'
  REMOVE UNIT 1 FROM BUS 243225                          / 243225 05KEYSTN 345
END
CONTINGENCY '4886_B1_05KEYSTN 345-2'
  REMOVE UNIT 2 FROM BUS 243225                          / 243225 05KEYSTN 345
END
CONTINGENCY '4887_B1_05KEYSTN 345-3'
  REMOVE UNIT 3 FROM BUS 243225                          / 243225 05KEYSTN 345
END
CONTINGENCY '4888_B1_05KEYSTN 345-4'
  REMOVE UNIT 4 FROM BUS 243225                          / 243225 05KEYSTN 345
END

```

```

CONTINGENCY '5058_B1_05LAWBG1 345-1A'
  REMOVE UNIT 1A FROM BUS 243226                / 243226 05LAWBG1 345
END
CONTINGENCY '4889_B1_05LAWBG1 345-1B'
  REMOVE UNIT 1B FROM BUS 243226                / 243226 05LAWBG1 345
END
CONTINGENCY '4890_B1_05LAWBG1 345-1S'
  REMOVE UNIT 1S FROM BUS 243226                / 243226 05LAWBG1 345
END
CONTINGENCY '4891_B1_05LAWBG2 345-2A'
  REMOVE UNIT 2A FROM BUS 243227                / 243227 05LAWBG2 345
END
CONTINGENCY '4892_B1_05LAWBG2 345-2B'
  REMOVE UNIT 2B FROM BUS 243227                / 243227 05LAWBG2 345
END
CONTINGENCY '4893_B1_05LAWBG2 345-2S'
  REMOVE UNIT 2S FROM BUS 243227                / 243227 05LAWBG2 345
END
CONTINGENCY '6475_B1_05MDL-1G 0.60-1'
  OPEN BRANCH FROM BUS 243879 TO BUS 246909 CKT 1      / 243879 05MLCS-1 34.5 246909 05MDL-1G C 0.60 1
  OPEN BRANCH FROM BUS 246909 TO BUS 247906 CKT 1      / 246909 05MDL-1G C 0.60 247906 05MDL-1G E 0.60 1
  REMOVE UNIT 1C FROM BUS 246909                  / 246909 05MDL-1G C 0.60
  REMOVE UNIT 1E FROM BUS 247906                  / 247906 05MDL-1G E 0.60
END
CONTINGENCY '6494_B1_05MDL-2G 12.0-1'
  OPEN BRANCH FROM BUS 243887 TO BUS 246910 CKT 1      / 243887 05MLCS23 34.5 246910 05MDL-2G C 12.0 1
  OPEN BRANCH FROM BUS 246910 TO BUS 247907 CKT 1      / 246910 05MDL-2G C 12.0 247907 05MDL-2G E 12.0 1
  REMOVE UNIT 1C FROM BUS 246910                  / 246910 05MDL-2G C 12.0
  REMOVE UNIT 1E FROM BUS 247907                  / 247907 05MDL-2G E 12.0
END
CONTINGENCY '7382_B1_05MDL-3G 0.69-1'
  OPEN BRANCH FROM BUS 243887 TO BUS 246976 CKT 1      / 243887 05MLCS23 34.5 246976 05MDL-3G C 0.69 1
  OPEN BRANCH FROM BUS 246976 TO BUS 247912 CKT 1      / 246976 05MDL-3G C 0.69 247912 05MDL-3G E 0.69 1
  REMOVE UNIT 1C FROM BUS 246976                  / 246976 05MDL-3G C 0.69
  REMOVE UNIT 1E FROM BUS 247912                  / 247912 05MDL-3G E 0.69
END
CONTINGENCY '7381_B1_05MDL-4G 0.60-1'
  OPEN BRANCH FROM BUS 246978 TO BUS 246979 CKT 1      / 246978 05MLCS-4 34.5 246979 05MDL-4G C 0.60 1
  OPEN BRANCH FROM BUS 246979 TO BUS 247913 CKT 1      / 246979 05MDL-4G C 0.60 247913 05MDL-4G E 0.60 1
  REMOVE UNIT 1C FROM BUS 246979                  / 246979 05MDL-4G C 0.60
  REMOVE UNIT 1E FROM BUS 247913                  / 247913 05MDL-4G E 0.60
END
CONTINGENCY '4960_B1_05MOUNTN 765-1'
  OPEN BRANCH FROM BUS 242516 TO BUS 242894 CKT 1      / 242516 05MOUNTN 765 242894 05MTG1 26.0 1
  REMOVE UNIT 1H FROM BUS 242894                  / 242894 05MTG1 26.0
  REMOVE UNIT 1L FROM BUS 242894                  / 242894 05MTG1 26.0
END
CONTINGENCY '4869_B1_05MUSKNG 345-5'
  REMOVE UNIT 5 FROM BUS 242940                  / 242940 05MUSKNG 345
END
CONTINGENCY '7166_B1_05R76 138-1'
  OPEN BRANCH FROM BUS 242534 TO BUS 247535 CKT Z1      / 242534 05ALLOY 138 247535 R-076 138 Z1
  REMOVE UNIT 1 FROM BUS 247535                  / 247535 R-076 138
END
CONTINGENCY '4839_B1_05ROCKPT 765-1'
  OPEN BRANCH FROM BUS 243209 TO BUS 243442 CKT 1      / 243209 05ROCKPT 765 243442 05RKG1 26.0 1
  REMOVE UNIT 1H FROM BUS 243442                  / 243442 05RKG1 26.0
  REMOVE UNIT 1L FROM BUS 243442                  / 243442 05RKG1 26.0
END
CONTINGENCY '4840_B1_05ROCKPT 765-2'
  OPEN BRANCH FROM BUS 243209 TO BUS 243443 CKT 2      / 243209 05ROCKPT 765 243443 05RKG2 26.0 2

```

```

REMOVE UNIT 2H FROM BUS 243443          / 243443 05RKG2 26.0
REMOVE UNIT 2L FROM BUS 243443          / 243443 05RKG2 26.0
END
CONTINGENCY '4927_B1_05RUTLAN 138-1'
  REMOVE UNIT 1 FROM BUS 243084          / 243084 05RUTLAN 138
END
CONTINGENCY '8171_B1_05RUTLAN 138-2'
  REMOVE UNIT 2 FROM BUS 243084          / 243084 05RUTLAN 138
END
CONTINGENCY '6728_B1_05S071 138-1'
  OPEN BRANCH FROM BUS 243253 TO BUS 247536 CKT Z1          / 243253 05BLUFFP 138 247536 S-071 C 138 Z1
  OPEN BRANCH FROM BUS 247536 TO BUS 247929 CKT 1          / 247536 S-071 C 138 247929 S-071 E 138 1
  REMOVE UNIT 1C FROM BUS 247536          / 247536 S-071 C 138
  REMOVE UNIT 1E FROM BUS 247929          / 247929 S-071 E 138
END
CONTINGENCY '4903_B1_05SMG1 13.8-1'
  OPEN BRANCH FROM BUS 242802 TO BUS 246843 CKT 1          / 242802 05SMITHM 138 246843 05SMG1 13.8 1
  REMOVE UNIT 1 FROM BUS 246843          / 246843 05SMG1 13.8
END
CONTINGENCY '4904_B1_05SMG2 13.8-2'
  OPEN BRANCH FROM BUS 242802 TO BUS 246844 CKT 2          / 242802 05SMITHM 138 246844 05SMG2 13.8 2
  REMOVE UNIT 2 FROM BUS 246844          / 246844 05SMG2 13.8
END
CONTINGENCY '4905_B1_05SMG3 13.8-3'
  OPEN BRANCH FROM BUS 242802 TO BUS 246845 CKT 3          / 242802 05SMITHM 138 246845 05SMG3 13.8 3
  REMOVE UNIT 3 FROM BUS 246845          / 246845 05SMG3 13.8
END
CONTINGENCY '4906_B1_05SMG4 13.8-4'
  OPEN BRANCH FROM BUS 242802 TO BUS 246846 CKT 4          / 242802 05SMITHM 138 246846 05SMG4 13.8 4
  REMOVE UNIT 4 FROM BUS 246846          / 246846 05SMG4 13.8
END
CONTINGENCY '4907_B1_05SMG5 13.8-5'
  OPEN BRANCH FROM BUS 242802 TO BUS 246847 CKT 5          / 242802 05SMITHM 138 246847 05SMG5 13.8 5
  REMOVE UNIT 5 FROM BUS 246847          / 246847 05SMG5 13.8
END
CONTINGENCY '6712_B1_05T142 345-1'
  OPEN BRANCH FROM BUS 247504 TO BUS 247917 CKT 1          / 247504 T-142 C 345 247917 T-142 E 345 1
  REMOVE UNIT 1C FROM BUS 247504          / 247504 T-142 C 345
  REMOVE UNIT 1E FROM BUS 247917          / 247917 T-142 E 345
END
CONTINGENCY '4848_B1_05TIDD 138-1'
  OPEN BRANCH FROM BUS 243127 TO BUS 243190 CKT 1          / 243127 05TIDD 138 243190 05CDG1 24.0 1
  REMOVE UNIT 1 FROM BUS 243190          / 243190 05CDG1 24.0
END
CONTINGENCY '4849_B1_05TIDD 345-2'
  OPEN BRANCH FROM BUS 242946 TO BUS 243191 CKT 2          / 242946 05TIDD 345 243191 05CDG2 24.0 2
  REMOVE UNIT 2 FROM BUS 243191          / 243191 05CDG2 24.0
END
CONTINGENCY '4850_B1_05TIDD 345-3'
  OPEN BRANCH FROM BUS 242946 TO BUS 243185 CKT 3          / 242946 05TIDD 345 243185 05CDG3 26.0 3
  REMOVE UNIT 3 FROM BUS 243185          / 243185 05CDG3 26.0
END
CONTINGENCY '6615_B1_05TIMB G 0.60-1'
  OPEN BRANCH FROM BUS 246952 TO BUS 246953 CKT 1          / 246952 05TIMBCS 34.5 246953 05TIMB G C 0.69 1
  OPEN BRANCH FROM BUS 246953 TO BUS 247911 CKT 1          / 246953 05TIMB G C 0.69 247911 05TIMB G E 0.69 1
  REMOVE UNIT 1C FROM BUS 246953          / 246953 05TIMB G C 0.69
  REMOVE UNIT 1E FROM BUS 247911          / 247911 05TIMB G E 0.69
END
CONTINGENCY '6731_B1_05U1-059 69.0-1'
  OPEN BRANCH FROM BUS 247522 TO BUS 247926 CKT 1          / 247522 U1-059 C 69.0 247926 U1-059 E 69.0 1
  REMOVE UNIT 1C FROM BUS 247522          / 247522 U1-059 C 69.0

```

```

REMOVE UNIT 1E FROM BUS 247926                / 247926 U1-059 E 69.0
END
CONTINGENCY '6503_B1_05U2-041 345-1'
OPEN BRANCH FROM BUS 247506 TO BUS 247919 CKT 1      / 247506 U2-041 C 345 247919 U2-041 E 345 1
REMOVE UNIT 1C FROM BUS 247506                / 247506 U2-041 C 345
REMOVE UNIT 1E FROM BUS 247919                / 247919 U2-041 E 345
END
CONTINGENCY '6500_B1_05U2-072 345-1'
OPEN BRANCH FROM BUS 247506 TO BUS 247540 CKT Z1      / 247506 U2-041 C 345 247540 U2-072 C 345 Z1
OPEN BRANCH FROM BUS 247540 TO BUS 247932 CKT 1      / 247540 U2-072 C 345 247932 U2-072 E 345 1
REMOVE UNIT 1C FROM BUS 247540                / 247540 U2-072 C 345
REMOVE UNIT 1E FROM BUS 247932                / 247932 U2-072 E 345
END
CONTINGENCY '6876_B1_05U2-090 345-1'
OPEN BRANCH FROM BUS 247508 TO BUS 247920 CKT 1      / 247508 U2-090 C 345 247920 U2-090 E 345 1
REMOVE UNIT 1C FROM BUS 247508                / 247508 U2-090 C 345
REMOVE UNIT 1E FROM BUS 247920                / 247920 U2-090 E 345
END
CONTINGENCY '6877_B1_05V3-007 345-1'
OPEN BRANCH FROM BUS 247508 TO BUS 247543 CKT Z1      / 247508 U2-090 C 345 247543 V3-007 C 345 Z1
OPEN BRANCH FROM BUS 247543 TO BUS 247935 CKT 1      / 247543 V3-007 C 345 247935 V3-007 E 345 1
REMOVE UNIT 1C FROM BUS 247543                / 247543 V3-007 C 345
REMOVE UNIT 1E FROM BUS 247935                / 247935 V3-007 E 345
END
CONTINGENCY '6878_B1_05V3-008 345-1'
OPEN BRANCH FROM BUS 247508 TO BUS 247544 CKT Z1      / 247508 U2-090 C 345 247544 V3-008 C 345 Z1
OPEN BRANCH FROM BUS 247544 TO BUS 247936 CKT 1      / 247544 V3-008 C 345 247936 V3-008 E 345 1
REMOVE UNIT 1C FROM BUS 247544                / 247544 V3-008 C 345
REMOVE UNIT 1E FROM BUS 247936                / 247936 V3-008 E 345
END
CONTINGENCY '6879_B1_05V3-009 345-1'
OPEN BRANCH FROM BUS 247508 TO BUS 247545 CKT Z1      / 247508 U2-090 C 345 247545 V3-009 C 345 Z1
OPEN BRANCH FROM BUS 247545 TO BUS 247937 CKT 1      / 247545 V3-009 C 345 247937 V3-009 E 345 1
REMOVE UNIT 1C FROM BUS 247545                / 247545 V3-009 C 345
REMOVE UNIT 1E FROM BUS 247937                / 247937 V3-009 E 345
END
CONTINGENCY '6502_B1_05V3-028 345-1'
OPEN BRANCH FROM BUS 247506 TO BUS 247549 CKT Z1      / 247506 U2-041 C 345 247549 V3-028 C 345 Z1
OPEN BRANCH FROM BUS 247549 TO BUS 247948 CKT 1      / 247549 V3-028 C 345 247948 V3-028 E 345 1
REMOVE UNIT 1C FROM BUS 247549                / 247549 V3-028 C 345
REMOVE UNIT 1E FROM BUS 247948                / 247948 V3-028 E 345
END
CONTINGENCY '7162_B1_05V4-010 138-1'
OPEN BRANCH FROM BUS 243130 TO BUS 247548 CKT Z1      / 243130 05TIFFIN 138 247548 V4-010 C 138 Z1
OPEN BRANCH FROM BUS 247548 TO BUS 247947 CKT 1      / 247548 V4-010 C 138 247947 V4-010 E 138 1
REMOVE UNIT 1C FROM BUS 247548                / 247548 V4-010 C 138
REMOVE UNIT 1E FROM BUS 247947                / 247947 V4-010 E 138
END
CONTINGENCY '7163_B1_05V4-015 138-1'
OPEN BRANCH FROM BUS 243006 TO BUS 247546 CKT Z1      / 243006 05FOSTOR 138 247546 V4-015 C 138 Z1
OPEN BRANCH FROM BUS 247546 TO BUS 247938 CKT 1      / 247546 V4-015 C 138 247938 V4-015 E 138 1
REMOVE UNIT 1C FROM BUS 247546                / 247546 V4-015 C 138
REMOVE UNIT 1E FROM BUS 247938                / 247938 V4-015 E 138
END
CONTINGENCY '7094_B1_05V4-016 138-1'
OPEN BRANCH FROM BUS 243386 TO BUS 247547 CKT Z1      / 243386 05VALLY 138 247547 V4-016 C 138 Z1
OPEN BRANCH FROM BUS 247547 TO BUS 247939 CKT 1      / 247547 V4-016 C 138 247939 V4-016 E 138 1
REMOVE UNIT 1C FROM BUS 247547                / 247547 V4-016 C 138
REMOVE UNIT 1E FROM BUS 247939                / 247939 V4-016 E 138
END
CONTINGENCY '6930_B1_05V4-033 345-1'

```

```

OPEN BRANCH FROM BUS 247515 TO BUS 247923 CKT 1          / 247515 V4-033 C 345 247923 V4-033 E 345 1
REMOVE UNIT 1C FROM BUS 247515                          / 247515 V4-033 C 345
REMOVE UNIT 1E FROM BUS 247923                          / 247923 V4-033 E 345
END
CONTINGENCY '6479_B1_05VACITY 23.0-1'
OPEN BRANCH FROM BUS 246894 TO BUS 246895 CKT 1          / 246894 05VACITY 138 246895 05VACITY 23.0 1
REMOVE UNIT 1 FROM BUS 246895                          / 246895 05VACITY 23.0
END
CONTINGENCY '6967_B1_05WLDCS1 34.5-1'
OPEN BRANCH FROM BUS 246990 TO BUS 246991 CKT 1          / 246990 05WLDCS1 34.5 246991 05WLD G1 C 0.69 1
OPEN BRANCH FROM BUS 246991 TO BUS 247914 CKT 1          / 246991 05WLD G1 C 0.69 247914 05WLD G1 E 0.69 1
REMOVE UNIT 1C FROM BUS 246991                          / 246991 05WLD G1 C 0.69
REMOVE UNIT 1E FROM BUS 247914                          / 247914 05WLD G1 E 0.69
END
CONTINGENCY '8727_B1_05WLDCS2 34.5-1'
OPEN BRANCH FROM BUS 247254 TO BUS 247255 CKT 1          / 247254 05WLDCS2 34.5 247255 05WLD G2 C 0.69 1
REMOVE UNIT 1C FROM BUS 247255                          / 247255 05WLD G2 C 0.69
END
CONTINGENCY '7359_B1_BRIDGE 69.0-1'
REMOVE UNIT 1 FROM BUS 244773                          / 244773 BRIDGE 69.0
END
CONTINGENCY '6252_B1_FRIES 69.0-1'
REMOVE UNIT 1 FROM BUS 244165                          / 244165 FRIES 69.0
END
CONTINGENCY '7158_B1_INDDRVL 13.8-1'
REMOVE UNIT 1 FROM BUS 244221                          / 244221 INDDRVL 13.8
END
CONTINGENCY '7192_B1_MAYFLWER 69.0-1'
REMOVE UNIT 1 FROM BUS 246422                          / 246422 MAYFLWER 69.0
END
CONTINGENCY '6258_B1_P44 138-1'
OPEN BRANCH FROM BUS 243484 TO BUS 294740 CKT 1          / 243484 05CITYCO 138 294740 P44 138 1
REMOVE UNIT 1 FROM BUS 294740                          / 294740 P44 138
END
CONTINGENCY '8175_B1_S FULTHA 69.0-1'
REMOVE UNIT 1 FROM BUS 245413                          / 245413 S FULTHA 69.0
END
CONTINGENCY '6683_B1_S-072 345-1'
OPEN BRANCH FROM BUS 246929 TO BUS 247537 CKT Z1         / 246929 05MADDOX 345 247537 S-072 C 345 Z1
OPEN BRANCH FROM BUS 247537 TO BUS 247930 CKT 1          / 247537 S-072 C 345 247930 S-072 E 345 1
REMOVE UNIT 1C FROM BUS 247537                          / 247537 S-072 C 345
REMOVE UNIT 1E FROM BUS 247930                          / 247930 S-072 E 345
END
CONTINGENCY '7360_B1_SUNCOKE 69.0-1'
REMOVE UNIT 1 FROM BUS 243827                          / 243827 SUNCOKE 69.0
END
CONTINGENCY '6696_B1_T-130 345-1'
OPEN BRANCH FROM BUS 247503 TO BUS 247916 CKT 1          / 247503 T-130 C 345 247916 T-130 E 345 1
REMOVE UNIT 1C FROM BUS 247503                          / 247503 T-130 C 345
REMOVE UNIT 1E FROM BUS 247916                          / 247916 T-130 E 345
END
CONTINGENCY '6634_B1_T-131 138-1'
OPEN BRANCH FROM BUS 247521 TO BUS 247925 CKT 1          / 247521 T-131 C 138 247925 T-131 E 138 1
REMOVE UNIT 1C FROM BUS 247521                          / 247521 T-131 C 138
REMOVE UNIT 1E FROM BUS 247925                          / 247925 T-131 E 138
END
CONTINGENCY '7120_B1_U4-001 138-1'
OPEN BRANCH FROM BUS 243024 TO BUS 247542 CKT Z1         / 243024 05HOWARD 138 247542 U4-001 C 138 Z1
OPEN BRANCH FROM BUS 247542 TO BUS 247934 CKT 1          / 247542 U4-001 C 138 247934 U4-001 E 138 1
REMOVE UNIT 1C FROM BUS 247542                          / 247542 U4-001 C 138
REMOVE UNIT 1E FROM BUS 247934                          / 247934 U4-001 E 138

```

```
END
CONTINGENCY '7107_B1_U4-028 138-1'
OPEN BRANCH FROM BUS 243039 TO BUS 247551 CKT Z1          / 243039 05MELMOR 138 247551 U4-028 C 138 Z1
OPEN BRANCH FROM BUS 247551 TO BUS 247940 CKT 1          / 247551 U4-028 C 138 247940 U4-028 E 138 1
REMOVE UNIT 1C FROM BUS 247551                          / 247551 U4-028 C 138
REMOVE UNIT 1E FROM BUS 247940                          / 247940 U4-028 E 138
END
CONTINGENCY '7108_B1_U4-029 138-1'
OPEN BRANCH FROM BUS 243039 TO BUS 247552 CKT Z1          / 243039 05MELMOR 138 247552 U4-029 C 138 Z1
OPEN BRANCH FROM BUS 247552 TO BUS 247941 CKT 1          / 247552 U4-029 C 138 247941 U4-029 E 138 1
REMOVE UNIT 1C FROM BUS 247552                          / 247552 U4-029 C 138
REMOVE UNIT 1E FROM BUS 247941                          / 247941 U4-029 E 138
END
CONTINGENCY '6995_B1_V3-015 345-1'
OPEN BRANCH FROM BUS 243225 TO BUS 247568 CKT Z1          / 243225 05KEYSTN 345 247568 V3-015 C 345 Z1
OPEN BRANCH FROM BUS 247568 TO BUS 247949 CKT 1          / 247568 V3-015 C 345 247949 V3-015 E 345 1
REMOVE UNIT 1C FROM BUS 247568                          / 247568 V3-015 C 345
REMOVE UNIT 1E FROM BUS 247949                          / 247949 V3-015 E 345
END
CONTINGENCY '7168_B1_W1-056 69.0-1'
OPEN BRANCH FROM BUS 247522 TO BUS 247555 CKT Z1          / 247522 U1-059 C 69.0 247555 W1-056 C 69.0 Z1
OPEN BRANCH FROM BUS 247555 TO BUS 247942 CKT 1          / 247555 W1-056 C 69.0 247942 W1-056 E 69.0 1
REMOVE UNIT 1C FROM BUS 247555                          / 247555 W1-056 C 69.0
REMOVE UNIT 1E FROM BUS 247942                          / 247942 W1-056 E 69.0
END
CONTINGENCY '8174_B1_W2-001 138-1'
OPEN BRANCH FROM BUS 247546 TO BUS 247571 CKT Z1          / 247546 V4-015 C 138 247571 W2-001 C 138 Z1
OPEN BRANCH FROM BUS 247571 TO BUS 247945 CKT 1          / 247571 W2-001 C 138 247945 W2-001 E 138 1
REMOVE UNIT 1C FROM BUS 247571                          / 247571 W2-001 C 138
REMOVE UNIT 1E FROM BUS 247945                          / 247945 W2-001 E 138
END
CONTINGENCY '8654_B1_W3-005 TAP 345-1'
OPEN BRANCH FROM BUS 247601 TO BUS 247957 CKT 1          / 247601 W3-005 C 345 247957 W3-005 E 345 1
OPEN BRANCH FROM BUS 247601 TO BUS 247606 CKT Z1          / 247601 W3-005 C 345 247606 W3-005 TAP 345 Z1
REMOVE UNIT 1C FROM BUS 247601                          / 247601 W3-005 C 345
REMOVE UNIT 1E FROM BUS 247957                          / 247957 W3-005 E 345
END
CONTINGENCY '8644_B1_W3-088 C 345-'
OPEN BRANCH FROM BUS 242945 TO BUS 247580 CKT 1          / 242945 05SW LIM 345 247580 W3-088 C 345 1
OPEN BRANCH FROM BUS 247580 TO BUS 247955 CKT 1          / 247580 W3-088 C 345 247955 W3-088 E 345 1
REMOVE UNIT 1C FROM BUS 247580                          / 247580 W3-088 C 345
REMOVE UNIT 1E FROM BUS 247955                          / 247955 W3-088 E 345
END
CONTINGENCY '8176_B1_W3-111 69.0-1'
OPEN BRANCH FROM BUS 245472 TO BUS 247581 CKT Z1          / 245472 S CUMBLN 69.0 247581 W3-111 C 69.0 Z1
OPEN BRANCH FROM BUS 247581 TO BUS 247950 CKT 1          / 247581 W3-111 C 69.0 247950 W3-111 E 69.0 1
REMOVE UNIT 1C FROM BUS 247581                          / 247581 W3-111 C 69.0
REMOVE UNIT 1E FROM BUS 247950                          / 247950 W3-111 E 69.0
END
CONTINGENCY '8177_B1_W3-112 69.0-1'
OPEN BRANCH FROM BUS 245472 TO BUS 247582 CKT Z1          / 245472 S CUMBLN 69.0 247582 W3-112 C 69.0 Z1
OPEN BRANCH FROM BUS 247582 TO BUS 247951 CKT 1          / 247582 W3-112 C 69.0 247951 W3-112 E 69.0 1
REMOVE UNIT 1C FROM BUS 247582                          / 247582 W3-112 C 69.0
REMOVE UNIT 1E FROM BUS 247951                          / 247951 W3-112 E 69.0
END
CONTINGENCY '8178_B1_W3-113 69.0-1'
OPEN BRANCH FROM BUS 245472 TO BUS 247583 CKT Z1          / 245472 S CUMBLN 69.0 247583 W3-113 C 69.0 Z1
OPEN BRANCH FROM BUS 247583 TO BUS 247952 CKT 1          / 247583 W3-113 C 69.0 247952 W3-113 E 69.0 1
REMOVE UNIT 1C FROM BUS 247583                          / 247583 W3-113 C 69.0
REMOVE UNIT 1E FROM BUS 247952                          / 247952 W3-113 E 69.0
END
```



```
CONTINGENCY '8183_B1_W4-004 138-1'
  OPEN BRANCH FROM BUS 247588 TO BUS 247946 CKT 1          / 247588 W4-004 C 138 247946 W4-004 E 138 1
  REMOVE UNIT 1C FROM BUS 247588                          / 247588 W4-004 C 138
  REMOVE UNIT 1E FROM BUS 247946                          / 247946 W4-004 E 138
END
CONTINGENCY '8184_B1_W4-008 138-1'
  OPEN BRANCH FROM BUS 247588 TO BUS 247589 CKT Z1        / 247588 W4-004 C 138 247589 W4-008 C 138 Z1
  OPEN BRANCH FROM BUS 247589 TO BUS 247953 CKT 1        / 247589 W4-008 C 138 247953 W4-008 E 138 1
  REMOVE UNIT 1C FROM BUS 247589                          / 247589 W4-008 C 138
  REMOVE UNIT 1E FROM BUS 247953                          / 247953 W4-008 E 138
END
CONTINGENCY '8185_B1_W4-036 69.0-1'
  OPEN BRANCH FROM BUS 243598 TO BUS 247592 CKT Z1        / 243598 05BCKSKI 69.0 247592 W4-036 69.0 Z1
  REMOVE UNIT 1 FROM BUS 247592                          / 247592 W4-036 69.0
END
CONTINGENCY '8645_B1_X1-042 138-1'
  OPEN BRANCH FROM BUS 243396 TO BUS 247604 CKT Z1        / 243396 05WESTST 138 247604 X1-042 12.0 Z1
  REMOVE UNIT 1 FROM BUS 247604                          / 247604 X1-042 12.0
END
CONTINGENCY '8646_B1_X3-001 C 12.0-'
  OPEN BRANCH FROM BUS 245793 TO BUS 247605 CKT Z1        / 245793 W MELROS 34.5 247605 X3-001 C 12.0 Z1
  OPEN BRANCH FROM BUS 247605 TO BUS 247956 CKT 1        / 247605 X3-001 C 12.0 247956 X3-001 E 12.0 1
  REMOVE UNIT 1C FROM BUS 247605                          / 247605 X3-001 C 12.0
  REMOVE UNIT 1E FROM BUS 247956                          / 247956 X3-001 E 12.0
END
CONTINGENCY '305_B2'
  OPEN BRANCH FROM BUS 242508 TO BUS 242513 CKT 1        / 242508 05AMOS 765 242513 05CULLOD 765 1
END
CONTINGENCY '313_B2'
  OPEN BRANCH FROM BUS 242513 TO BUS 242923 CKT 1        / 242513 05CULLOD 765 242923 05GAVIN 765 1
END
CONTINGENCY '706_B2'
  OPEN BRANCH FROM BUS 242922 TO BUS 242923 CKT 1        / 242922 05FLTLCK 765 242923 05GAVIN 765 1
END
CONTINGENCY '8748_B2_WOMOAB'
  OPEN BRANCH FROM BUS 244751 TO BUS 244753 CKT 1        / 244751 APPLEGRV 69.0 244753 BEALE 69.0 1
  OPEN BRANCH FROM BUS 244753 TO BUS 244760 CKT 1        / 244753 BEALE 69.0 244760 PTPLEASN 69.0 1
END
CONTINGENCY '8750_B2_MOAB'
  OPEN BRANCH FROM BUS 244751 TO BUS 244753 CKT 1        / 244751 APPLEGRV 69.0 244753 BEALE 69.0 1
END
CONTINGENCY '8749_B2_MOAB'
  OPEN BRANCH FROM BUS 244753 TO BUS 244760 CKT 1        / 244753 BEALE 69.0 244760 PTPLEASN 69.0 1
END
CONTINGENCY '8742_B2_WOMOAB'
  OPEN BRANCH FROM BUS 244227 TO BUS 244228 CKT 1        / 244227 CLINTWD 69.0 244228 CLINTWTP 69.0 1
  OPEN BRANCH FROM BUS 244228 TO BUS 244244 CKT 1        / 244228 CLINTWTP 69.0 244244 LICKFKTP 69.0 1
  OPEN BRANCH FROM BUS 243722 TO BUS 243736 CKT 1        / 243722 FLEMING 69.0 243736 JENKINS 69.0 1
  OPEN BRANCH FROM BUS 243736 TO BUS 242881 CKT 1        / 243736 JENKINS 69.0 242881 POUND 69.0 1
  OPEN BRANCH FROM BUS 244244 TO BUS 244245 CKT 1        / 244244 LICKFKTP 69.0 244245 LICKFORK 69.0 1
  OPEN BRANCH FROM BUS 244244 TO BUS 242881 CKT 1        / 244244 LICKFKTP 69.0 242881 POUND 69.0 1
END
CONTINGENCY '8741_B2'
  OPEN BRANCH FROM BUS 244228 TO BUS 242873 CKT 1        / 244228 CLINTWTP 69.0 242873 FREMONT- 69.0 1
END
CONTINGENCY '8743_B2_MOAB'
  OPEN BRANCH FROM BUS 244228 TO BUS 244244 CKT 1        / 244228 CLINTWTP 69.0 244244 LICKFKTP 69.0 1
  OPEN BRANCH FROM BUS 244244 TO BUS 244245 CKT 1        / 244244 LICKFKTP 69.0 244245 LICKFORK 69.0 1
  OPEN BRANCH FROM BUS 244244 TO BUS 242881 CKT 1        / 244244 LICKFKTP 69.0 242881 POUND 69.0 1
END
CONTINGENCY '8744_B2_MOAB'
```

OPEN BRANCH FROM BUS 243722 TO BUS 243736 CKT 1 END	/ 243722 FLEMING 69.0 243736 JENKINS 69.0 1
CONTINGENCY '8764_B2'	
OPEN BRANCH FROM BUS 244949 TO BUS 246740 CKT 1 END	/ 244949 GAVIN1 69.0 246740 MEIGS 69.0 1
CONTINGENCY '8735_B2'	
OPEN BRANCH FROM BUS 244909 TO BUS 244907 CKT 1 END	/ 244909 MAP1MAIN 69.0 244907 MAP-EVAN 69.0 1
CONTINGENCY '8733_B2'	
OPEN BRANCH FROM BUS 244909 TO BUS 244908 CKT 1 END	/ 244909 MAP1MAIN 69.0 244908 MAP-MALC 69.0 1
CONTINGENCY '8736_B2'	
OPEN BRANCH FROM BUS 244911 TO BUS 244913 CKT 1 END	/ 244911 MAP2EAST 69.0 244913 MAP2NE 69.0 1
CONTINGENCY '8734_B2'	
OPEN BRANCH FROM BUS 244913 TO BUS 244912 CKT 1 END	/ 244913 MAP2NE 69.0 244912 MAP2NRTH 69.0 1
CONTINGENCY '8731_B2'	
OPEN BRANCH FROM BUS 244912 TO BUS 244914 CKT 1 END	/ 244912 MAP2NRTH 69.0 244914 MAP-PACK 69.0 1
CONTINGENCY '8732_B2'	
OPEN BRANCH FROM BUS 244907 TO BUS 244915 CKT 1 END	/ 244907 MAP-EVAN 69.0 244915 MAPMITCH 69.0 1
CONTINGENCY '8757_B2'	
OPEN BRANCH FROM BUS 244334 TO BUS 244436 CKT 1 END	/ 244334 BAILSVL 46.0 244436 OCEANA 46.0 1
CONTINGENCY '8761_B2_WOMOAB'	
OPEN BRANCH FROM BUS 244334 TO BUS 244436 CKT 1	/ 244334 BAILSVL 46.0 244436 OCEANA 46.0 1
OPEN BRANCH FROM BUS 244393 TO BUS 244436 CKT 1	/ 244393 COAL MTN 46.0 244436 OCEANA 46.0 1
OPEN BRANCH FROM BUS 244460 TO BUS 244516 CKT 1	/ 244460 DRYBRANC 46.0 244516 SKINFORK 46.0 1
OPEN BRANCH FROM BUS 244460 TO BUS 244454 CKT 1	/ 244460 DRYBRANC 46.0 244454 UPPER BR 46.0 1
OPEN BRANCH FROM BUS 244436 TO BUS 244454 CKT 1 END	/ 244436 OCEANA 46.0 244454 UPPER BR 46.0 1
CONTINGENCY '8759_B2'	
OPEN BRANCH FROM BUS 244471 TO BUS 244478 CKT 1	/ 244471 BECCO 46.0 244478 BRAEHOLM 46.0 1
OPEN BRANCH FROM BUS 244478 TO BUS 244498 CKT 1 END	/ 244478 BRAEHOLM 46.0 244498 HUFFCRK 46.0 1
CONTINGENCY '8810_B2'	
OPEN BRANCH FROM BUS 243219 TO BUS 909144 CKT 2 END	/ 243219 05DUMONT 345 909144 X2-052 TAP 345 2
CONTINGENCY '6509_B2'	
OPEN BRANCH FROM BUS 246754 TO BUS 246755 CKT 1	/ 246754 05FOWLER 345 246755 05FRCS-1 345 1
OPEN BRANCH FROM BUS 246754 TO BUS 246756 CKT 1 END	/ 246754 05FOWLER 345 246756 05FRCS-2 345 1
CONTINGENCY '6510_B2'	
OPEN BRANCH FROM BUS 246754 TO BUS 246755 CKT 1	/ 246754 05FOWLER 345 246755 05FRCS-1 345 1
OPEN BRANCH FROM BUS 246754 TO BUS 246756 CKT 1	/ 246754 05FOWLER 345 246756 05FRCS-2 345 1
OPEN BRANCH FROM BUS 246756 TO BUS 243867 CKT 1 END	/ 246756 05FRCS-2 345 243867 05FRCS34 345 1
CONTINGENCY '6513_B2'	
OPEN BRANCH FROM BUS 243868 TO BUS 243867 CKT 1 END	/ 243868 05FRCS-3 345 243867 05FRCS34 345 1
CONTINGENCY '6514_B2'	
OPEN BRANCH FROM BUS 243867 TO BUS 243871 CKT 1 END	/ 243867 05FRCS34 345 243871 05FRCS-4 345 1
CONTINGENCY '7365_B2'	
OPEN BRANCH FROM BUS 246929 TO BUS 247537 CKT Z1 END	/ 246929 05MADDOX 345 247537 S-072 C 345 Z1
CONTINGENCY '7379_B2'	
OPEN BRANCH FROM BUS 246974 TO BUS 246977 CKT 1 END	/ 246974 05MLCS-1 345 246977 05MLCS-4 345 1

CONTINGENCY '8463_B2'	
OPEN BRANCH FROM BUS 242940 TO BUS 242528 CKT 1	/ 242940 05MUSKNG 345 242528 05SPORN 345 1
END	
CONTINGENCY '8811_B2'	
OPEN BRANCH FROM BUS 243229 TO BUS 909144 CKT 2	/ 243229 05OLIVE 345 909144 X2-052 TAP 345 2
END	
CONTINGENCY '7462_B2'	
OPEN BRANCH FROM BUS 243231 TO BUS 243232 CKT 1	/ 243231 05ROB PK 345 243232 05SORENS 345 1
END	
CONTINGENCY '8471_B2'	
OPEN BRANCH FROM BUS 242528 TO BUS 242529 CKT 1	/ 242528 05SPORN 345 242529 05TRISTA 345 1
END	
CONTINGENCY '7529_B2'	
OPEN BRANCH FROM BUS 243242 TO BUS 243877 CKT 1	/ 243242 05ALLEN 138 243877 05DAWKNS 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 3	/ 243242 05ALLEN 138 243330 05LINCOL 138 3
OPEN BRANCH FROM BUS 243877 TO BUS 243342 CKT 1	/ 243877 05DAWKNS 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 246237 CKT Z1	/ 243877 05DAWKNS 138 246237 DAWKINSS 12.0 Z1
END	
CONTINGENCY '8673_B2'	
OPEN BRANCH FROM BUS 247199 TO BUS 243526 CKT 1	/ 247199 05AMLIN 138 243526 05HYATT 138 1
END	
CONTINGENCY '8389_B2'	
OPEN BRANCH FROM BUS 242537 TO BUS 246768 CKT 1	/ 242537 05AMOS 138 246768 05LANHAM 138 1
OPEN BRANCH FROM BUS 246768 TO BUS 242800 CKT 1	/ 246768 05LANHAM 138 242800 05SISSON 138 1
OPEN BRANCH FROM BUS 242800 TO BUS 244868 CKT 1	/ 242800 05SISSON 138 244868 SISSON L 34.5 1
OPEN BRANCH FROM BUS 246768 TO BUS 244874 CKT Z1	/ 246768 05LANHAM 138 244874 COLUMBIA 12.0 Z1
END	
CONTINGENCY '6813_B2'	
OPEN BRANCH FROM BUS 243243 TO BUS 243392 CKT 1	/ 243243 05ANDCT 138 243392 05WEBSTR 138 1
END	
CONTINGENCY '8332_B2_MOAB'	
OPEN BRANCH FROM BUS 243673 TO BUS 243687 CKT 1	/ 243673 05BEEFHI 138 243687 05FLEMIN 138 1
END	
CONTINGENCY '8434_B2_MOAB'	
OPEN BRANCH FROM BUS 247153 TO BUS 247151 CKT 1	/ 247153 05BERWIN 138 247151 05YUKON 138 1
END	
CONTINGENCY '8433_B2'	
OPEN BRANCH FROM BUS 247153 TO BUS 247151 CKT 1	/ 247153 05BERWIN 138 247151 05YUKON 138 1
OPEN BRANCH FROM BUS 242682 TO BUS 247151 CKT 1	/ 242682 05J.BRAN 138 247151 05YUKON 138 1
OPEN BRANCH FROM BUS 247151 TO BUS 247162 CKT Z1	/ 247151 05YUKON 138 247162 YUKON 34.5 Z1
END	
CONTINGENCY '6785_B2'	
OPEN BRANCH FROM BUS 246889 TO BUS 243483 CKT 1	/ 246889 05BIERSR 138 243483 05CRCLVS 138 1
END	
CONTINGENCY '6786_B2'	
OPEN BRANCH FROM BUS 246889 TO BUS 246890 CKT 1	/ 246889 05BIERSR 138 246890 05HOPETN 138 1
END	
CONTINGENCY '8435_B2_MOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 242827 CKT 1	/ 242571 05BUCKHO 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 244273 CKT 1	/ 242571 05BUCKHO 138 244273 BUCKHR L 34.5 1
OPEN BRANCH FROM BUS 242556 TO BUS 244341 CKT 1	/ 242556 05BLUEF1 138 244341 BLFLD1 L 12.0 1
END	
CONTINGENCY '7778_B2_WOMOAB'	
OPEN BRANCH FROM BUS 247043 TO BUS 247042 CKT 1	/ 247043 05BRACKC 138 247042 05MCLUN2 138 1
OPEN BRANCH FROM BUS 247043 TO BUS 247044 CKT 1	/ 247043 05BRACKC 138 247044 05TOW117 138 1
OPEN BRANCH FROM BUS 247042 TO BUS 244428 CKT 1	/ 247042 05MCLUN2 138 244428 MCCLUNG 69.0 1
OPEN BRANCH FROM BUS 247043 TO BUS 247047 CKT Z1	/ 247043 05BRACKC 138 247047 BRACKC L 34.5 Z1
END	
CONTINGENCY '7780_B2_WOMOAB'	

OPEN BRANCH FROM BUS 242564 TO BUS 247045 CKT 1	/ 242564 05BRADL1 138 247045 05CLARMO 138 1
OPEN BRANCH FROM BUS 247045 TO BUS 247044 CKT 1	/ 247045 05CLARMO 138 247044 05TOW117 138 1
OPEN BRANCH FROM BUS 247045 TO BUS 247046 CKT Z1	/ 247045 05CLARMO 138 247046 CLARMO L 12.0 Z1
END	
CONTINGENCY '8796_B2'	
OPEN BRANCH FROM BUS 247330 TO BUS 247329 CKT 1	/ 247330 05BRODY8 138 247329 05STINGER 138 1
END	
CONTINGENCY '8484_B2'	
OPEN BRANCH FROM BUS 242968 TO BUS 243143 CKT 1	/ 242968 05BRUES 138 243143 05WBELLA 138 1
END	
CONTINGENCY '8437_B2'	
OPEN BRANCH FROM BUS 242570 TO BUS 242690 CKT 1	/ 242570 05BUCHAN 138 242690 05KEENMT 138 1
OPEN BRANCH FROM BUS 242654 TO BUS 242690 CKT Z1	/ 242654 05GRASCK 138 242690 05KEENMT 138 Z1
OPEN BRANCH FROM BUS 242690 TO BUS 247149 CKT 1	/ 242690 05KEENMT 138 247149 05WHITWD 138 1
END	
CONTINGENCY '8438_B2_MOAB'	
OPEN BRANCH FROM BUS 242571 TO BUS 242827 CKT 1	/ 242571 05BUCKHO 138 242827 05TAZEWE 138 1
END	
CONTINGENCY '8371_B2'	
OPEN BRANCH FROM BUS 242593 TO BUS 242836 CKT 1	/ 242593 05CHEM 2 138 242836 05TURN1 138 1
END	
CONTINGENCY '7560_B2'	
OPEN BRANCH FROM BUS 242594 TO BUS 242747 CKT 1	/ 242594 05CHERCK 138 242747 05PEMBRT 138 1
END	
CONTINGENCY '6480_B2'	
OPEN BRANCH FROM BUS 242605 TO BUS 246894 CKT 1	/ 242605 05CLNCHR 138 246894 05VACITY 138 1
END	
CONTINGENCY '7164_B2'	
OPEN BRANCH FROM BUS 242605 TO BUS 246894 CKT 2	/ 242605 05CLNCHR 138 246894 05VACITY 138 2
END	
CONTINGENCY '8517_B2_WOMOAB'	
OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 244118 CKT 1	/ 242791 05SCHRIS 138 244118 SCHRISTB 69.0 1
OPEN BRANCH FROM BUS 242791 TO BUS 244117 CKT 1	/ 242791 05SCHRIS 138 244117 SCHRIS L 12.0 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1
END	
CONTINGENCY '8507_B2'	
OPEN BRANCH FROM BUS 243268 TO BUS 247132 CKT 1	/ 243268 05COVNT 138 247132 05ELLISN 138 1
OPEN BRANCH FROM BUS 243268 TO BUS 246115 CKT 1	/ 243268 05COVNT 138 246115 COVENT 8 12.0 1
OPEN BRANCH FROM BUS 243268 TO BUS 246115 CKT 2	/ 243268 05COVNT 138 246115 COVENT 8 12.0 2
END	
CONTINGENCY '8787_B2'	
OPEN BRANCH FROM BUS 243270 TO BUS 243333 CKT 1	/ 243270 05CROSSS 138 243333 05MADISO 138 1
END	
CONTINGENCY '8508_B2'	
OPEN BRANCH FROM BUS 247146 TO BUS 247132 CKT 1	/ 247146 05DALRD8 138 247132 05ELLISN 138 1
END	
CONTINGENCY '8157_B2'	
OPEN BRANCH FROM BUS 246980 TO BUS 243497 CKT 1	/ 246980 05DELAN8 138 243497 05DELANO 138 1
OPEN BRANCH FROM BUS 246980 TO BUS 246813 CKT Z1	/ 246980 05DELAN8 138 246813 DELANRD8 69.0 Z1
END	
CONTINGENCY '7996_B2'	
OPEN BRANCH FROM BUS 243497 TO BUS 246890 CKT 1	/ 243497 05DELANO 138 246890 05HOPETN 138 1
END	
CONTINGENCY '8158_B2'	
OPEN BRANCH FROM BUS 243497 TO BUS 243530 CKT 1	/ 243497 05DELANO 138 243530 05KENWO2 138 1
OPEN BRANCH FROM BUS 243530 TO BUS 246799 CKT Z1	/ 243530 05KENWO2 138 246799 KENWORT2 12.0 Z1
END	
CONTINGENCY '8526_B2_WOMOAB'	
OPEN BRANCH FROM BUS 242634 TO BUS 242636 CKT 1	/ 242634 05EDGEMO 138 242636 05FALLBR 138 1

```

END
CONTINGENCY '8528_B2'
  OPEN BRANCH FROM BUS 242634 TO BUS 242839 CKT 1      / 242634 05EDGEMO 138 242839 05VICKER 138 1
  OPEN BRANCH FROM BUS 242715 TO BUS 242839 CKT 1      / 242715 05MERRIM 138 242839 05VICKER 138 1
  OPEN BRANCH FROM BUS 242839 TO BUS 244121 CKT Z1      / 242839 05VICKER 138 244121 VICKER L 12.0 Z1
END
CONTINGENCY '8506_B2'
  OPEN BRANCH FROM BUS 247132 TO BUS 243291 CKT 1      / 247132 05ELLISN 138 243291 05ENGLER 138 1
  OPEN BRANCH FROM BUS 243291 TO BUS 243338 CKT 1      / 243291 05ENGLER 138 243338 05MCKINL 138 1
  OPEN BRANCH FROM BUS 243291 TO BUS 246296 CKT 1      / 243291 05ENGLER 138 246296 ENGLE R8 12.0 1
END
CONTINGENCY '7997_B2'
  OPEN BRANCH FROM BUS 243880 TO BUS 243694 CKT Z1      / 243880 05FACTS 138 243694 05INEZ 138 Z1
END
CONTINGENCY '8530_B2'
  OPEN BRANCH FROM BUS 242636 TO BUS 242715 CKT 1      / 242636 05FALLBR 138 242715 05MERRIM 138 1
END
CONTINGENCY '8527_B2_WOMOAB'
  OPEN BRANCH FROM BUS 242636 TO BUS 242796 CKT 1      / 242636 05FALLBR 138 242796 05SHAWSV 138 1
  OPEN BRANCH FROM BUS 242708 TO BUS 242796 CKT 1      / 242708 05M FUNK 138 242796 05SHAWSV 138 1
  OPEN BRANCH FROM BUS 242796 TO BUS 244119 CKT 1      / 242796 05SHAWSV 138 244119 SHAWVL L 12.0 1
END
CONTINGENCY '8441_B2'
  OPEN BRANCH FROM BUS 247150 TO BUS 242827 CKT 1      / 247150 05FARDAY 138 242827 05TAZEWE 138 1
END
CONTINGENCY '7715_B2'
  OPEN BRANCH FROM BUS 243008 TO BUS 243130 CKT 2      / 243008 05FREMCT 138 243130 05TIFFIN 138 2
END
CONTINGENCY '8444_B2'
  OPEN BRANCH FROM BUS 247152 TO BUS 242682 CKT 1      / 247152 05GARY 138 242682 05J.BRAN 138 1
  OPEN BRANCH FROM BUS 247152 TO BUS 242822 CKT 1      / 247152 05GARY 138 242822 05SWITCH 138 1
  OPEN BRANCH FROM BUS 247152 TO BUS 247163 CKT Z1      / 247152 05GARY 138 247163 GARY L 12.0 Z1
END
CONTINGENCY '8443_B2'
  OPEN BRANCH FROM BUS 247152 TO BUS 242682 CKT 1      / 247152 05GARY 138 242682 05J.BRAN 138 1
END
CONTINGENCY '8445_B2'
  OPEN BRANCH FROM BUS 247152 TO BUS 242822 CKT 1      / 247152 05GARY 138 242822 05SWITCH 138 1
END
CONTINGENCY '7438_B2'
  OPEN BRANCH FROM BUS 247003 TO BUS 247165 CKT 1      / 247003 05GOSHSS 138 247165 05SRUNSS 138 1
  OPEN BRANCH FROM BUS 247165 TO BUS 247002 CKT 1      / 247165 05SRUNSS 138 247002 05WAYMSS 138 1
END
CONTINGENCY '8446_B2'
  OPEN BRANCH FROM BUS 242661 TO BUS 242794 CKT 1      / 242661 05HALES1 138 242794 05SHACKM 138 1
  OPEN BRANCH FROM BUS 242794 TO BUS 247149 CKT 1      / 242794 05SHACKM 138 247149 05WHITWD 138 1
  OPEN BRANCH FROM BUS 242794 TO BUS 244319 CKT Z1      / 242794 05SHACKM 138 244319 SHACKMIL 69.0 Z1
END
CONTINGENCY '8384_B2'
  OPEN BRANCH FROM BUS 247022 TO BUS 242782 CKT 1      / 247022 05HERNSH 138 242782 05RUTH 138 1
END
CONTINGENCY '8447_B2_MOAB'
  OPEN BRANCH FROM BUS 247029 TO BUS 242827 CKT 1      / 247029 05HORSPN 138 242827 05TAZEWE 138 1
END
CONTINGENCY '8448_B2_MOAB'
  OPEN BRANCH FROM BUS 242682 TO BUS 247151 CKT 1      / 242682 05J.BRAN 138 247151 05YUKON 138 1
END
CONTINGENCY '7590_B2'
  OPEN BRANCH FROM BUS 242684 TO BUS 242760 CKT 1      / 242684 05J.FERR 138 242760 05PROGPK 138 1
END
CONTINGENCY '7591_B2'

```

OPEN BRANCH FROM BUS 242684 TO BUS 242859 CKT 1	/ 242684 05J.FERR 138 242859 05WYTHE2 138 1
END	
CONTINGENCY '8661_B2'	
OPEN BRANCH FROM BUS 242708 TO BUS 243874 CKT 1	/ 242708 05M FUNK 138 243874 05TECHDR 138 1
END	
CONTINGENCY '7716_B2'	
OPEN BRANCH FROM BUS 243039 TO BUS 243130 CKT 1	/ 243039 05MELMOR 138 243130 05TIFFIN 138 1
END	
CONTINGENCY '7109_B2'	
OPEN BRANCH FROM BUS 243039 TO BUS 247551 CKT Z1	/ 243039 05MELMOR 138 247551 U4-028 C 138 Z1
OPEN BRANCH FROM BUS 243039 TO BUS 247552 CKT Z1	/ 243039 05MELMOR 138 247552 U4-029 C 138 Z1
OPEN BRANCH FROM BUS 247551 TO BUS 247940 CKT 1	/ 247551 U4-028 C 138 247940 U4-028 E 138 1
OPEN BRANCH FROM BUS 247552 TO BUS 247941 CKT 1	/ 247552 U4-029 C 138 247941 U4-029 E 138 1
REMOVE UNIT 1C FROM BUS 247551	/ 247551 U4-028 C 138
REMOVE UNIT 1E FROM BUS 247940	/ 247940 U4-028 E 138
REMOVE UNIT 1C FROM BUS 247552	/ 247552 U4-029 C 138
REMOVE UNIT 1E FROM BUS 247941	/ 247941 U4-029 E 138
END	
CONTINGENCY '8415_B2'	
OPEN BRANCH FROM BUS 243070 TO BUS 243074 CKT 1	/ 243070 05OHIOCT 138 243074 05PHILO 138 1
END	
CONTINGENCY '7890_B2'	
OPEN BRANCH FROM BUS 246993 TO BUS 243366 CKT 1	/ 246993 05PURDUE 138 243366 05ROB PK 138 1
END	
CONTINGENCY '7889_B2'	
OPEN BRANCH FROM BUS 246993 TO BUS 243378 CKT 1	/ 246993 05PURDUE 138 243378 05SPY RU 138 1
END	
CONTINGENCY '8449_B2'	
OPEN BRANCH FROM BUS 242766 TO BUS 247149 CKT 1	/ 242766 05RICHLA 138 247149 05WHITWD 138 1
OPEN BRANCH FROM BUS 242766 TO BUS 244305 CKT 1	/ 242766 05RICHLA 138 244305 RICHLNDS 69.0 1
END	
CONTINGENCY '8451_B2'	
OPEN BRANCH FROM BUS 242788 TO BUS 242827 CKT 1	/ 242788 05SALTV1 138 242827 05TAZEWE 138 1
END	
CONTINGENCY '8776_B2'	
OPEN BRANCH FROM BUS 246771 TO BUS 246988 CKT 1	/ 246771 05SELWDZ 138 246988 05STRWTN 138 1
END	
CONTINGENCY '7496_B2'	
OPEN BRANCH FROM BUS 246988 TO BUS 246989 CKT 1	/ 246988 05STRWTN 138 246989 05WLD CS 138 1
END	
CONTINGENCY '8430_B2'_WOMOAB'	
OPEN BRANCH FROM BUS 247160 TO BUS 247150 CKT 1	/ 247160 05BEARWA 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247153 TO BUS 247150 CKT 1	/ 247153 05BERWIN 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247150 TO BUS 242827 CKT 1	/ 247150 05FARDAY 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 247160 TO BUS 244270 CKT 1	/ 247160 05BEARWA 138 244270 BEARWALW 69.0 1
OPEN BRANCH FROM BUS 247150 TO BUS 247161 CKT 1	/ 247150 05FARDAY 138 247161 FARADAY 34.5 1
OPEN BRANCH FROM BUS 244333 TO BUS 247161 CKT 1	/ 244333 AMONTLTS 34.5 247161 FARADAY 34.5 1
END	
CONTINGENCY '8429_B2'_MOAB'	
OPEN BRANCH FROM BUS 247160 TO BUS 247150 CKT 1	/ 247160 05BEARWA 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247160 TO BUS 244270 CKT 1	/ 247160 05BEARWA 138 244270 BEARWALW 69.0 1
END	
CONTINGENCY '8431_B2'_MOAB'	
OPEN BRANCH FROM BUS 247153 TO BUS 247150 CKT 1	/ 247153 05BERWIN 138 247150 05FARDAY 138 1
END	
CONTINGENCY '8432_B2''	
OPEN BRANCH FROM BUS 247153 TO BUS 247150 CKT 1	/ 247153 05BERWIN 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247153 TO BUS 247151 CKT 1	/ 247153 05BERWIN 138 247151 05YUKON 138 1
OPEN BRANCH FROM BUS 247153 TO BUS 247164 CKT Z1	/ 247153 05BERWIN 138 247164 BERWINDL 12.0 Z1
END	
CONTINGENCY '8427_B2''	

OPEN BRANCH FROM BUS 242581 TO BUS 242582 CKT 1	/ 242581 05CARSWE 138 242582 05CARWLZ 138 1
OPEN BRANCH FROM BUS 242582 TO BUS 247008 CKT 1	/ 242582 05CARWLZ 138 247008 05CLARKB 138 1
OPEN BRANCH FROM BUS 242582 TO BUS 242833 CKT 1	/ 242582 05CARWLZ 138 242833 05TRAILF 138 1
OPEN BRANCH FROM BUS 247008 TO BUS 247029 CKT 1	/ 247008 05CLARKB 138 247029 05HORSPN 138 1
OPEN BRANCH FROM BUS 247008 TO BUS 247009 CKT Z1	/ 247008 05CLARKB 138 247009 05KEYSTO 138 Z1
OPEN BRANCH FROM BUS 247029 TO BUS 242827 CKT 1	/ 247029 05HORSPN 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 247029 TO BUS 247030 CKT Z1	/ 247029 05HORSPN 138 247030 JUSTCO L 34.5 Z1
OPEN BRANCH FROM BUS 242581 TO BUS 247184 CKT Z1	/ 242581 05CARSWE 138 247184 CARSWE L 12.0 Z1
OPEN BRANCH FROM BUS 247009 TO BUS 247031 CKT Z1	/ 247009 05KEYSTO 138 247031 KEYSTO L 12.0 Z1
END	
CONTINGENCY '7779_B2A_MOAB'	
OPEN BRANCH FROM BUS 247043 TO BUS 247042 CKT 1	/ 247043 05BRACKC 138 247042 05MCLUN2 138 1
OPEN BRANCH FROM BUS 247042 TO BUS 244428 CKT 1	/ 247042 05MCLUN2 138 244428 MCCLUNG 69.0 1
END	
CONTINGENCY '7781_B2A_MOAB'	
OPEN BRANCH FROM BUS 242564 TO BUS 247045 CKT 1	/ 242564 05BRADL1 138 247045 05CLARMO 138 1
END	
CONTINGENCY '8660_B2A_MOAB'	
OPEN BRANCH FROM BUS 242636 TO BUS 242796 CKT 1	/ 242636 05FALLBR 138 242796 05SHAWSV 138 1
OPEN BRANCH FROM BUS 242796 TO BUS 244119 CKT 1	/ 242796 05SHAWSV 138 244119 SHAWVL L 12.0 1
END	
CONTINGENCY '8529_B2A_MOAB'	
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1
END	
CONTINGENCY '7783_B2B_MOAB'	
OPEN BRANCH FROM BUS 247043 TO BUS 247044 CKT 1	/ 247043 05BRACKC 138 247044 05TOW117 138 1
END	
CONTINGENCY '7782_B2B_MOAB'	
OPEN BRANCH FROM BUS 247045 TO BUS 247044 CKT 1	/ 247045 05CLARMO 138 247044 05TOW117 138 1
END	
CONTINGENCY '8728_B2B_MOAB'	
OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
END	
CONTINGENCY '306_B2_TOR3'	
OPEN BRANCH FROM BUS 242508 TO BUS 242516 CKT 1	/ 242508 05AMOS 765 242516 05MOUNTN 765 1
END	
CONTINGENCY '1371_B2_TOR4'	
OPEN BRANCH FROM BUS 242511 TO BUS 242514 CKT 1	/ 242511 05BROADF 765 242514 05J.FERR 765 1
OPEN BRANCH FROM BUS 242566 TO BUS 242567 CKT ZB	/ 242566 05BROADF 138 242567 05BROADX 138 ZB
END	
CONTINGENCY '311_B2_TOR5_WOMOP'	
OPEN BRANCH FROM BUS 242512 TO BUS 242514 CKT 1	/ 242512 05CLOVRD 765 242514 05J.FERR 765 1
END	
CONTINGENCY '3174_B2_TOR6'	
OPEN BRANCH FROM BUS 242512 TO BUS 242515 CKT 1	/ 242512 05CLOVRD 765 242515 05JOSHUA 765 1
END	
CONTINGENCY '1370_B2_TOR7'	
OPEN BRANCH FROM BUS 242509 TO BUS 242514 CKT 1	/ 242509 05AXTON 765 242514 05J.FERR 765 1
OPEN BRANCH FROM BUS 242509 TO BUS 242545 CKT 1	/ 242509 05AXTON 765 242545 05AXTONX 138 1
OPEN BRANCH FROM BUS 242544 TO BUS 242545 CKT SR	/ 242544 05AXTON 138 242545 05AXTONX 138 SR
OPEN BRANCH FROM BUS 242544 TO BUS 242545 CKT ZB	/ 242544 05AXTON 138 242545 05AXTONX 138 ZB
END	
CONTINGENCY '312_B2_TOR8'	
OPEN BRANCH FROM BUS 242513 TO BUS 242517 CKT 1	/ 242513 05CULLOD 765 242517 05WYOMIN 765 1
END	
CONTINGENCY '307_B2_TOR9'	
OPEN BRANCH FROM BUS 242510 TO BUS 242511 CKT 1	/ 242510 05BAKER 765 242511 05BROADF 765 1
END	
CONTINGENCY '308_B2_TOR10'	
OPEN BRANCH FROM BUS 242510 TO BUS 242513 CKT 1	/ 242510 05BAKER 765 242513 05CULLOD 765 1

```

END
CONTINGENCY '708_B2_TOR11'
  OPEN BRANCH FROM BUS 242923 TO BUS 242516 CKT 1      / 242923 05GAVIN 765 242516 05MOUNTN 765 1
END
CONTINGENCY '36_B2_TOR13A'
  OPEN BRANCH FROM BUS 242508 TO BUS 242929 CKT 1      / 242508 05AMOS 765 242929 05NPROCT 765 1
END
CONTINGENCY '3150_B2_TOR13B'
  OPEN BRANCH FROM BUS 242924 TO BUS 242929 CKT 1      / 242924 05HANG R 765 242929 05NPROCT 765 1
END
CONTINGENCY '309_B2_TOR15'
  OPEN BRANCH FROM BUS 242510 TO BUS 242924 CKT 1      / 242510 05BAKER 765 242924 05HANG R 765 1
END
CONTINGENCY '7662_B2_TOR23'
  OPEN BRANCH FROM BUS 242525 TO BUS 242528 CKT 1      / 242525 05KANAWH 345 242528 05SPORN 345 1
END
CONTINGENCY '322_B2_TOR24'
  OPEN BRANCH FROM BUS 242522 TO BUS 242525 CKT 1      / 242522 05AMOS 345 242525 05KANAWH 345 1
END
CONTINGENCY '5087_B2_TOR25'
  OPEN BRANCH FROM BUS 242525 TO BUS 242526 CKT Z0      / 242525 05KANAWH 345 242526 05KANAWZ 345 Z0
  OPEN BRANCH FROM BUS 242526 TO BUS 242527 CKT 1      / 242526 05KANAWZ 345 242527 05M FUNK 345 1
END
CONTINGENCY '323_B2_TOR26'
  OPEN BRANCH FROM BUS 242522 TO BUS 242528 CKT 1      / 242522 05AMOS 345 242528 05SPORN 345 1
END
CONTINGENCY '324_B2_TOR27'
  OPEN BRANCH FROM BUS 242524 TO BUS 242527 CKT 1      / 242524 05CLOVRD 345 242527 05M FUNK 345 1
END
CONTINGENCY '1384_B2_TOR28'
  OPEN BRANCH FROM BUS 242523 TO BUS 242529 CKT 1      / 242523 05BAKER 345 242529 05TRISTA 345 1
  OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 2      / 242529 05TRISTA 345 242835 05TRISTA 138 2
  OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 3      / 242529 05TRISTA 345 242835 05TRISTA 138 3
END
CONTINGENCY '8035_B2_TOR44_WOMOAB'
  OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1      / 244218 WKINGSEQ 999 242849 05WKINGP 138 1
  OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1      / 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
  OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1      / 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
  OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1      / 242633 05EDENSR 138 242678 05INDIAS 138 1
  OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1      / 242633 05EDENSR 138 242849 05WKINGP 138 1
  OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1      / 242677 05INDDRV 138 242849 05WKINGP 138 1
  OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1      / 242678 05INDIAS 138 242732 05NBRSTL 138 1
  OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1      / 242729 05NAGEL 138 242849 05WKINGP 138 1
  OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1      / 242849 05WKINGP 138 244217 WKINGS L 34.5 1
  OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1      / 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
  OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1      / 242633 05EDENSR 138 244187 EDENSR L 12.0 1
  OPEN BRANCH FROM BUS 242678 TO BUS 244198 CKT 1      / 242678 05INDIAS 138 244198 INDSPL L 12.0 1
  OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1      / 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
  REMOVE UNIT 1 FROM BUS 244221      / 244221 INDDRV L 13.8
END
CONTINGENCY '5666_B2_TOR44A_MOAB'
  OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1      / 242678 05INDIAS 138 242732 05NBRSTL 138 1
END
CONTINGENCY '5667_B2_TOR44B_MOAB'
  OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1      / 242633 05EDENSR 138 242678 05INDIAS 138 1
  OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1      / 242633 05EDENSR 138 242849 05WKINGP 138 1
  OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1      / 242633 05EDENSR 138 244187 EDENSR L 12.0 1
END
CONTINGENCY '5872_B2_TOR48'
  OPEN BRANCH FROM BUS 242541 TO BUS 243040 CKT 1      / 242541 05APPLE2 138 243040 05MERC8 138 1
  OPEN BRANCH FROM BUS 243040 TO BUS 242807 CKT 1      / 243040 05MERC8 138 242807 05SPORN 138 1

```


OPEN BRANCH FROM BUS 243040 TO BUS 244944 CKT 1 END	/ 243040 05MERCER8 138 244944 MERCER8 L 12.0 1
CONTINGENCY '8386_B2_TOR50'	
OPEN BRANCH FROM BUS 242537 TO BUS 242617 CKT 1	/ 242537 05AMOS 138 242617 05DALEWD 138 1
OPEN BRANCH FROM BUS 242592 TO BUS 242617 CKT 1	/ 242592 05CHEM 1 138 242617 05DALEWD 138 1
OPEN BRANCH FROM BUS 242617 TO BUS 244806 CKT 1 END	/ 242617 05DALEWD 138 244806 DALEWD L 12.0 1
CONTINGENCY '8388_B2_TOR51'	
OPEN BRANCH FROM BUS 242537 TO BUS 242740 CKT 1	/ 242537 05AMOS 138 242740 05ORTIN 138 1
OPEN BRANCH FROM BUS 242593 TO BUS 242740 CKT 1	/ 242593 05CHEM 2 138 242740 05ORTIN 138 1
OPEN BRANCH FROM BUS 242740 TO BUS 244866 CKT Z1 END	/ 242740 05ORTIN 138 244866 ORTIN L 12.0 Z1
CONTINGENCY '6009_B2_TOR53_WOMOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 242548 CKT 1	/ 242537 05AMOS 138 242548 05BANCRO 138 1
OPEN BRANCH FROM BUS 242548 TO BUS 242790 CKT 1	/ 242548 05BANCRO 138 242790 05SBUFLO 138 1
OPEN BRANCH FROM BUS 242548 TO BUS 244863 CKT 1	/ 242548 05BANCRO 138 244863 BANCROFT 69.0 1
OPEN BRANCH FROM BUS 242548 TO BUS 244862 CKT 1	/ 242548 05BANCRO 138 244862 BANCROFT L 12.0 1
OPEN BRANCH FROM BUS 244863 TO BUS 244867 CKT 1	/ 244863 BANCROFT 69.0 244867 PLANTROA 69.0 1
OPEN BRANCH FROM BUS 244863 TO BUS 244873 CKT 1 END	/ 244863 BANCROFT 69.0 244873 WINFIELD 69.0 1
CONTINGENCY '6010_B2_TOR53A_MOAB'	
OPEN BRANCH FROM BUS 242548 TO BUS 242790 CKT 1 END	/ 242548 05BANCRO 138 242790 05SBUFLO 138 1
CONTINGENCY '6011_B2_TOR53B_MOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 242548 CKT 1	/ 242537 05AMOS 138 242548 05BANCRO 138 1
OPEN BRANCH FROM BUS 242548 TO BUS 244863 CKT 1	/ 242548 05BANCRO 138 244863 BANCROFT 69.0 1
OPEN BRANCH FROM BUS 242548 TO BUS 244862 CKT 1 END	/ 242548 05BANCRO 138 244862 BANCROFT L 12.0 1
CONTINGENCY '8370_B2_TOR54_WOMOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 247091 CKT 1	/ 242537 05AMOS 138 247091 05LAKEVI 138 1
OPEN BRANCH FROM BUS 247091 TO BUS 242836 CKT 1	/ 247091 05LAKEVI 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 247091 TO BUS 247092 CKT Z1 END	/ 247091 05LAKEVI 138 247092 LAKEVI L 12.0 Z1
CONTINGENCY '8360_B2_TOR54'	
OPEN BRANCH FROM BUS 242537 TO BUS 242836 CKT 1 END	/ 242537 05AMOS 138 242836 05TURN1 138 1
CONTINGENCY '8378_B2_TOR54A_MOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 247091 CKT 1 END	/ 242537 05AMOS 138 247091 05LAKEVI 138 1
CONTINGENCY '8379_B2_TOR54B_MOAB'	
OPEN BRANCH FROM BUS 247091 TO BUS 242836 CKT 1 END	/ 247091 05LAKEVI 138 242836 05TURN1 138 1
CONTINGENCY '6013_B2_TOR55'	
OPEN BRANCH FROM BUS 242537 TO BUS 242823 CKT 1	/ 242537 05AMOS 138 242823 05TACKCR 138 1
OPEN BRANCH FROM BUS 242823 TO BUS 242836 CKT 1	/ 242823 05TACKCR 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242823 TO BUS 244870 CKT 1 END	/ 242823 05TACKCR 138 244870 TACKCR L 12.0 1
CONTINGENCY '5367_B2_TOR57_WOMOAB'	
OPEN BRANCH FROM BUS 242542 TO BUS 242780 CKT 1	/ 242542 05ATKINS 138 242780 05RURALR 138 1
OPEN BRANCH FROM BUS 242725 TO BUS 242780 CKT 1	/ 242725 05MTAIRY 138 242780 05RURALR 138 1
OPEN BRANCH FROM BUS 242725 TO BUS 242859 CKT 1	/ 242725 05MTAIRY 138 242859 05WYTHE2 138 1
OPEN BRANCH FROM BUS 242542 TO BUS 244261 CKT 1	/ 242542 05ATKINS 138 244261 ATKINS 34.5 1
OPEN BRANCH FROM BUS 242780 TO BUS 244250 CKT 1	/ 242780 05RURALR 138 244250 RURALR L 34.5 1
OPEN BRANCH FROM BUS 242725 TO BUS 244153 CKT 1 END	/ 242725 05MTAIRY 138 244153 MT.AIRYL 34.0 1
CONTINGENCY '5368_B2_TOR57A_MOAB'	
OPEN BRANCH FROM BUS 242725 TO BUS 242859 CKT 1 END	/ 242725 05MTAIRY 138 242859 05WYTHE2 138 1
CONTINGENCY '5369_B2_TOR57B_MOAB'	
OPEN BRANCH FROM BUS 242542 TO BUS 242780 CKT 1	/ 242542 05ATKINS 138 242780 05RURALR 138 1
OPEN BRANCH FROM BUS 242725 TO BUS 242780 CKT 1	/ 242725 05MTAIRY 138 242780 05RURALR 138 1

OPEN BRANCH FROM BUS 242780 TO BUS 244250 CKT 1 END	/ 242780 05RURALR 138 244250 RURALR L 34.5 1
CONTINGENCY '5275_B2_TOR60'	
OPEN BRANCH FROM BUS 242546 TO BUS 242855 CKT 1 END	/ 242546 05BAILS1 138 242855 05WYOMIN 138 1
CONTINGENCY '5276_B2_TOR61'	
OPEN BRANCH FROM BUS 242547 TO BUS 242855 CKT 2 END	/ 242547 05BAILS2 138 242855 05WYOMIN 138 2
CONTINGENCY '8725_B2_TOR63_WOMOAB'	
OPEN BRANCH FROM BUS 243671 TO BUS 243703 CKT 1	/ 243671 05BEAVR1 138 243703 05TOPMOS 138 1
OPEN BRANCH FROM BUS 243672 TO BUS 243703 CKT 1	/ 243672 05BECKHA 138 243703 05TOPMOS 138 1
OPEN BRANCH FROM BUS 243672 TO BUS 243704 CKT 1	/ 243672 05BECKHA 138 243704 05VICCO 138 1
OPEN BRANCH FROM BUS 243692 TO BUS 243704 CKT 1	/ 243692 05HAZRD1 138 243704 05VICCO 138 1
OPEN BRANCH FROM BUS 243672 TO BUS 244643 CKT 1	/ 243672 05BECKHA 138 244643 BECKHM L 34.5 1
OPEN BRANCH FROM BUS 243704 TO BUS 244650 CKT 1	/ 243704 05VICCO 138 244650 VICC L 34.5 1
OPEN BRANCH FROM BUS 243703 TO BUS 244631 CKT 1 END	/ 243703 05TOPMOS 138 244631 TOPMST L 12.0 1
CONTINGENCY '5949_B2_TOR63A_MOAB'	
OPEN BRANCH FROM BUS 243671 TO BUS 243703 CKT 1	/ 243671 05BEAVR1 138 243703 05TOPMOS 138 1
OPEN BRANCH FROM BUS 243703 TO BUS 244631 CKT 1 END	/ 243703 05TOPMOS 138 244631 TOPMST L 12.0 1
CONTINGENCY '5950_B2_TOR63B_MOAB'	
OPEN BRANCH FROM BUS 243672 TO BUS 243703 CKT 1 END	/ 243672 05BECKHA 138 243703 05TOPMOS 138 1
CONTINGENCY '5951_B2_TOR63C_MOAB'	
OPEN BRANCH FROM BUS 243672 TO BUS 243704 CKT 1	/ 243672 05BECKHA 138 243704 05VICCO 138 1
OPEN BRANCH FROM BUS 243692 TO BUS 243704 CKT 1	/ 243692 05HAZRD1 138 243704 05VICCO 138 1
OPEN BRANCH FROM BUS 243704 TO BUS 244650 CKT 1 END	/ 243704 05VICCO 138 244650 VICC L 34.5 1
CONTINGENCY '5277_B2_TOR64_WOMOAB'	
OPEN BRANCH FROM BUS 244395 TO BUS 242618 CKT 1	/ 244395 DAMERNEQ 999 242618 05DAMERN 138 1
OPEN BRANCH FROM BUS 244395 TO BUS 244396 CKT 1	/ 244395 DAMERNEQ 999 244396 DAMERON 46.0 1
OPEN BRANCH FROM BUS 242564 TO BUS 242565 CKT Z1	/ 242564 05BRADL1 138 242565 05BRADL2 138 Z1
OPEN BRANCH FROM BUS 242565 TO BUS 242618 CKT 1	/ 242565 05BRADL2 138 242618 05DAMERN 138 1
OPEN BRANCH FROM BUS 242565 TO BUS 242695 CKT 1 END	/ 242565 05BRADL2 138 242695 05KINCAI 138 1
CONTINGENCY '5278_B2_TOR64A_MOAB'	
OPEN BRANCH FROM BUS 244395 TO BUS 242618 CKT 1	/ 244395 DAMERNEQ 999 242618 05DAMERN 138 1
OPEN BRANCH FROM BUS 244395 TO BUS 244396 CKT 1	/ 244395 DAMERNEQ 999 244396 DAMERON 46.0 1
OPEN BRANCH FROM BUS 242565 TO BUS 242618 CKT 1 END	/ 242565 05BRADL2 138 242618 05DAMERN 138 1
CONTINGENCY '5668_B2_TOR70_WOMOAB'	
OPEN BRANCH FROM BUS 242542 TO BUS 242803 CKT 1	/ 242542 05ATKINS 138 242803 05SMYTH 138 1
OPEN BRANCH FROM BUS 242566 TO BUS 242567 CKT SR	/ 242566 05BROADF 138 242567 05BROADX 138 SR
OPEN BRANCH FROM BUS 242566 TO BUS 242567 CKT ZB	/ 242566 05BROADF 138 242567 05BROADX 138 ZB
OPEN BRANCH FROM BUS 242567 TO BUS 242803 CKT 1	/ 242567 05BROADX 138 242803 05SMYTH 138 1
OPEN BRANCH FROM BUS 242803 TO BUS 244252 CKT 1 END	/ 242803 05SMYTH 138 244252 SMYTH L 12.0 1
CONTINGENCY '5669_B2_TOR70A_MOAB'	
OPEN BRANCH FROM BUS 242566 TO BUS 242567 CKT SR	/ 242566 05BROADF 138 242567 05BROADX 138 SR
OPEN BRANCH FROM BUS 242566 TO BUS 242567 CKT ZB	/ 242566 05BROADF 138 242567 05BROADX 138 ZB
OPEN BRANCH FROM BUS 242567 TO BUS 242803 CKT 1 END	/ 242567 05BROADX 138 242803 05SMYTH 138 1
CONTINGENCY '5670_B2_TOR70B_MOAB'	
OPEN BRANCH FROM BUS 242542 TO BUS 242803 CKT 1 END	/ 242542 05ATKINS 138 242803 05SMYTH 138 1
CONTINGENCY '5370_B2_TOR71_WOMOAB'	
OPEN BRANCH FROM BUS 242555 TO BUS 242643 CKT 1	/ 242555 05BLAINE 138 242643 05FRANK5 138 1
OPEN BRANCH FROM BUS 242638 TO BUS 242831 CKT 1	/ 242638 05FLDAL1 138 242831 05THORNT 138 1
OPEN BRANCH FROM BUS 242642 TO BUS 242643 CKT Z1	/ 242642 05FRANK3 138 242643 05FRANK5 138 Z1
OPEN BRANCH FROM BUS 242642 TO BUS 242831 CKT 1	/ 242642 05FRANK3 138 242831 05THORNT 138 1

OPEN BRANCH FROM BUS 242642 TO BUS 243971 CKT 1	/ 242642 05FRANK3 138 243971 FRANKLIN 34.5 1
OPEN BRANCH FROM BUS 242831 TO BUS 244016 CKT 1	/ 242831 05THORNT 138 244016 THORNTON 34.5 1
OPEN BRANCH FROM BUS 242643 TO BUS 243970 CKT 1	/ 242643 05FRANK5 138 243970 FRANKL L 12.0 1
OPEN BRANCH FROM BUS 243971 TO BUS 244015 CKT 1	/ 243971 FRANKLIN 34.5 244015 ORCHARD 34.5 1
OPEN BRANCH FROM BUS 243973 TO BUS 244015 CKT 1	/ 243973 GLADEHIL 34.5 244015 ORCHARD 34.5 1
END	
CONTINGENCY '5371_B2_TOR71A_MOAB'	
OPEN BRANCH FROM BUS 242555 TO BUS 242643 CKT 1	/ 242555 05BLAINE 138 242643 05FRANK5 138 1
END	
CONTINGENCY '5372_B2_TOR71B_MOAB'	
OPEN BRANCH FROM BUS 242638 TO BUS 242831 CKT 1	/ 242638 05FLDAL1 138 242831 05THORNT 138 1
OPEN BRANCH FROM BUS 242642 TO BUS 242831 CKT 1	/ 242642 05FRANK3 138 242831 05THORNT 138 1
OPEN BRANCH FROM BUS 242831 TO BUS 244016 CKT 1	/ 242831 05THORNT 138 244016 THORNTON 34.5 1
END	
CONTINGENCY '5373_B2_TOR72'	
OPEN BRANCH FROM BUS 242555 TO BUS 242773 CKT 1	/ 242555 05BLAINE 138 242773 05ROANO1 138 1
END	
CONTINGENCY '7530_B2_TOR73_WOMOAB'	
OPEN BRANCH FROM BUS 244888 TO BUS 242695 CKT 1	/ 244888 KNCAIDEQ 999 242695 05KINCAI 138 1
OPEN BRANCH FROM BUS 244888 TO BUS 244416 CKT 1	/ 244888 KNCAIDEQ 999 244416 KINCAID 69.0 1
OPEN BRANCH FROM BUS 244888 TO BUS 244886 CKT 1	/ 244888 KNCAIDEQ 999 244886 KINCAID 46.0 1
OPEN BRANCH FROM BUS 242565 TO BUS 242695 CKT 1	/ 242565 05BRADL2 138 242695 05KINCAI 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 242695 CKT 1	/ 242689 05KANAWH 138 242695 05KINCAI 138 1
OPEN BRANCH FROM BUS 244416 TO BUS 244435 CKT 1	/ 244416 KINCAID 69.0 244435 OAK HILL 69.0 1
END	
CONTINGENCY '5288_B2_TOR73A_MOAB'	
OPEN BRANCH FROM BUS 242565 TO BUS 242695 CKT 1	/ 242565 05BRADL2 138 242695 05KINCAI 138 1
END	
CONTINGENCY '5289_B2_TOR74_WOMOAB'	
OPEN BRANCH FROM BUS 242564 TO BUS 247333 CKT 1	/ 242564 05BRADL1 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 247333 CKT 1	/ 242689 05KANAWH 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 247333 TO BUS 247334 CKT 1	/ 247333 05PAX BR 138 247334 PAX BR 46.0 1
END	
CONTINGENCY '8765_B2_TOR74A_MOAB'	
OPEN BRANCH FROM BUS 242564 TO BUS 247333 CKT 1	/ 242564 05BRADL1 138 247333 05PAX BR 138 1
END	
CONTINGENCY '8766_B2_TOR74B_MOAB'	
OPEN BRANCH FROM BUS 242689 TO BUS 247333 CKT 1	/ 242689 05KANAWH 138 247333 05PAX BR 138 1
END	
CONTINGENCY '5290_B2_TOR75_WOMOAB'	
OPEN BRANCH FROM BUS 242566 TO BUS 242600 CKT 1	/ 242566 05BROADF 138 242600 05CLAYPL 138 1
OPEN BRANCH FROM BUS 242600 TO BUS 242766 CKT 1	/ 242600 05CLAYPL 138 242766 05RICHLA 138 1
OPEN BRANCH FROM BUS 242766 TO BUS 244305 CKT 1	/ 242766 05RICHLA 138 244305 RICHLNDS 69.0 1
OPEN BRANCH FROM BUS 242600 TO BUS 244275 CKT 1	/ 242600 05CLAYPL 138 244275 CLAYP L 12.0 1
END	
CONTINGENCY '5291_B2_TOR75A_MOAB'	
OPEN BRANCH FROM BUS 242600 TO BUS 242766 CKT 1	/ 242600 05CLAYPL 138 242766 05RICHLA 138 1
OPEN BRANCH FROM BUS 242766 TO BUS 244305 CKT 1	/ 242766 05RICHLA 138 244305 RICHLNDS 69.0 1
END	
CONTINGENCY '5671_B2_TOR76'	
OPEN BRANCH FROM BUS 242566 TO BUS 242789 CKT 1	/ 242566 05BROADF 138 242789 05SALTV2 138 1
END	
CONTINGENCY '5672_B2_TOR77'	
OPEN BRANCH FROM BUS 242566 TO BUS 242788 CKT 1	/ 242566 05BROADF 138 242788 05SALTV1 138 1
END	
CONTINGENCY '5293_B2_TOR78'	
OPEN BRANCH FROM BUS 242574 TO BUS 242689 CKT 2	/ 242574 05CABINC 138 242689 05KANAWH 138 2
END	
CONTINGENCY '6019_B2_TOR81'	
OPEN BRANCH FROM BUS 242576 TO BUS 242593 CKT 1	/ 242576 05CAPITO 138 242593 05CHEM 2 138 1
END	

CONTINGENCY '6020_B2_TOR82_WOMOAB'	
OPEN BRANCH FROM BUS 242576 TO BUS 242783 CKT 1	/ 242576 05CAPITO 138 242783 05RUTLED 138 1
OPEN BRANCH FROM BUS 242602 TO BUS 242637 CKT 1	/ 242602 05CLENDE 138 242637 05FLATWO 138 1
OPEN BRANCH FROM BUS 242637 TO BUS 242783 CKT 1	/ 242637 05FLATWO 138 242783 05RUTLED 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 242763 CKT 1	/ 242689 05KANAWH 138 242763 05RENSFD 138 1
OPEN BRANCH FROM BUS 243422 TO BUS 242763 CKT 1	/ 243422 05POINTL 138 242763 05RENSFD 138 1
OPEN BRANCH FROM BUS 243422 TO BUS 242783 CKT 1	/ 243422 05POINTL 138 242783 05RUTLED 138 1
OPEN BRANCH FROM BUS 242602 TO BUS 244828 CKT 1	/ 242602 05CLENDE 138 244828 CLENDENI 46.0 1
OPEN BRANCH FROM BUS 243422 TO BUS 243423 CKT Z1	/ 243422 05POINTL 138 243423 PATRCOAL 34.5 Z1
OPEN BRANCH FROM BUS 242763 TO BUS 244853 CKT 1	/ 242763 05RENSFD 138 244853 RENSFD L 34.5 1
OPEN BRANCH FROM BUS 242637 TO BUS 244831 CKT 1	/ 242637 05FLATWO 138 244831 FLATWD L 12.0 1
END	
CONTINGENCY '6802_B2_TOR82A_MOAB'	
OPEN BRANCH FROM BUS 242576 TO BUS 242783 CKT 1	/ 242576 05CAPITO 138 242783 05RUTLED 138 1
OPEN BRANCH FROM BUS 242602 TO BUS 242637 CKT 1	/ 242602 05CLENDE 138 242637 05FLATWO 138 1
OPEN BRANCH FROM BUS 242637 TO BUS 242783 CKT 1	/ 242637 05FLATWO 138 242783 05RUTLED 138 1
OPEN BRANCH FROM BUS 243422 TO BUS 242783 CKT 1	/ 243422 05POINTL 138 242783 05RUTLED 138 1
OPEN BRANCH FROM BUS 242602 TO BUS 244828 CKT 1	/ 242602 05CLENDE 138 244828 CLENDENI 46.0 1
OPEN BRANCH FROM BUS 243422 TO BUS 243423 CKT Z1	/ 243422 05POINTL 138 243423 PATRCOAL 34.5 Z1
OPEN BRANCH FROM BUS 242637 TO BUS 244831 CKT 1	/ 242637 05FLATWO 138 244831 FLATWD L 12.0 1
END	
CONTINGENCY '6803_B2_TOR82B_MOAB'	
OPEN BRANCH FROM BUS 242689 TO BUS 242763 CKT 1	/ 242689 05KANAWH 138 242763 05RENSFD 138 1
OPEN BRANCH FROM BUS 243422 TO BUS 242763 CKT 1	/ 243422 05POINTL 138 242763 05RENSFD 138 1
OPEN BRANCH FROM BUS 242763 TO BUS 244853 CKT 1	/ 242763 05RENSFD 138 244853 RENSFD L 34.5 1
END	
CONTINGENCY '5374_B2_TOR85_WOMOAB'	
OPEN BRANCH FROM BUS 244114 TO BUS 242731 CKT 1	/ 244114 NBLACKEQ 999 242731 05NBLACK 138 1
OPEN BRANCH FROM BUS 244114 TO BUS 244115 CKT 1	/ 244114 NBLACKEQ 999 244115 NBLACKSB 69.0 1
OPEN BRANCH FROM BUS 242587 TO BUS 242588 CKT 1	/ 242587 05CELAN 138 242588 05CELANZ 138 1
OPEN BRANCH FROM BUS 242588 TO BUS 242731 CKT 1	/ 242588 05CELANZ 138 242731 05NBLACK 138 1
OPEN BRANCH FROM BUS 242697 TO BUS 242708 CKT 1	/ 242697 05KUMIS 138 242708 05M FUNK 138 1
OPEN BRANCH FROM BUS 242697 TO BUS 242731 CKT 1	/ 242697 05KUMIS 138 242731 05NBLACK 138 1
OPEN BRANCH FROM BUS 242697 TO BUS 244058 CKT 1	/ 242697 05KUMIS 138 244058 KUMIS L 12.0 1
OPEN BRANCH FROM BUS 242731 TO BUS 244113 CKT 1	/ 242731 05NBLACK 138 244113 NBLACK L 12.0 1
OPEN BRANCH FROM BUS 244124 TO BUS 244115 CKT 1	/ 244124 ELLETT 69.0 244115 NBLACKSB 69.0 1
OPEN BRANCH FROM BUS 244112 TO BUS 244115 CKT 1	/ 244112 MOUNTVIE 69.0 244115 NBLACKSB 69.0 1
END	
CONTINGENCY '5375_B2_TOR85A_MOAB'	
OPEN BRANCH FROM BUS 242697 TO BUS 242708 CKT 1	/ 242697 05KUMIS 138 242708 05M FUNK 138 1
OPEN BRANCH FROM BUS 242697 TO BUS 244058 CKT 1	/ 242697 05KUMIS 138 244058 KUMIS L 12.0 1
END	
CONTINGENCY '5376_B2_TOR85B_MOAB'	
OPEN BRANCH FROM BUS 242697 TO BUS 242731 CKT 1	/ 242697 05KUMIS 138 242731 05NBLACK 138 1
END	
CONTINGENCY '5377_B2_TOR85C_MOAB'	
OPEN BRANCH FROM BUS 242587 TO BUS 242588 CKT 1	/ 242587 05CELAN 138 242588 05CELANZ 138 1
OPEN BRANCH FROM BUS 242588 TO BUS 242731 CKT 1	/ 242588 05CELANZ 138 242731 05NBLACK 138 1
END	
CONTINGENCY '5378_B2_TOR86_WOMOAB'	
OPEN BRANCH FROM BUS 242608 TO BUS 242666 CKT 1	/ 242608 05CLYTR1 138 242666 05HAZELH 138 1
OPEN BRANCH FROM BUS 242650 TO BUS 242666 CKT 1	/ 242650 05GLENL1 138 242666 05HAZELH 138 1
OPEN BRANCH FROM BUS 242666 TO BUS 242679 CKT 1	/ 242666 05HAZELH 138 242679 05INGSTR 138 1
END	
CONTINGENCY '5379_B2_TOR86A_MOAB'	
OPEN BRANCH FROM BUS 242608 TO BUS 242666 CKT 1	/ 242608 05CLYTR1 138 242666 05HAZELH 138 1
END	
CONTINGENCY '5380_B2_TOR86B_MOAB'	
OPEN BRANCH FROM BUS 242650 TO BUS 242666 CKT 1	/ 242650 05GLENL1 138 242666 05HAZELH 138 1
END	
CONTINGENCY '5381_B2_TOR87_WOMOAB'	

OPEN BRANCH FROM BUS 244137 TO BUS 242721 CKT 1	/ 244137 MORGANEQ 999 242721 05MORGAN 138 1
OPEN BRANCH FROM BUS 244137 TO BUS 244136 CKT 1	/ 244137 MORGANEQ 999 244136 MORGAN C 69.0 1
OPEN BRANCH FROM BUS 244137 TO BUS 244135 CKT 1	/ 244137 MORGANEQ 999 244135 MORGAN C 34.5 1
OPEN BRANCH FROM BUS 242609 TO BUS 242721 CKT 1	/ 242609 05CLYTR2 138 242721 05MORGAN 138 1
OPEN BRANCH FROM BUS 242651 TO BUS 242721 CKT 1	/ 242651 05GLENL2 138 242721 05MORGAN 138 1
OPEN BRANCH FROM BUS 244135 TO BUS 244141 CKT 1	/ 244135 MORGAN C 34.5 244141 PULASFUR 34.5 1
OPEN BRANCH FROM BUS 244135 TO BUS 244145 CKT 1	/ 244135 MORGAN C 34.5 244145 RADFORD 34.5 1
END	
CONTINGENCY '5382_B2_TOR87A_MOAB'	
OPEN BRANCH FROM BUS 242609 TO BUS 242721 CKT 1	/ 242609 05CLYTR2 138 242721 05MORGAN 138 1
END	
CONTINGENCY '5383_B2_TOR87B_MOAB'	
OPEN BRANCH FROM BUS 242651 TO BUS 242721 CKT 1	/ 242651 05GLENL2 138 242721 05MORGAN 138 1
END	
CONTINGENCY '5384_B2_TOR88'	
OPEN BRANCH FROM BUS 242684 TO BUS 242685 CKT SR	/ 242684 05J.FERR 138 242685 05J.FERX 138 SR
OPEN BRANCH FROM BUS 242684 TO BUS 242685 CKT ZB	/ 242684 05J.FERR 138 242685 05J.FERX 138 ZB
OPEN BRANCH FROM BUS 242685 TO BUS 242745 CKT 1	/ 242685 05J.FERX 138 242745 05PEAKCK 138 1
END	
CONTINGENCY '5385_B2_TOR90_WOMOAB'	
OPEN BRANCH FROM BUS 242609 TO BUS 242853 CKT 1	/ 242609 05CLYTR2 138 242853 05WURNO 138 1
OPEN BRANCH FROM BUS 242745 TO BUS 242841 CKT 1	/ 242745 05PEAKCK 138 242841 05W GLOW 138 1
OPEN BRANCH FROM BUS 242841 TO BUS 242853 CKT 1	/ 242841 05W GLOW 138 242853 05WURNO 138 1
OPEN BRANCH FROM BUS 242853 TO BUS 244151 CKT 1	/ 242853 05WURNO 138 244151 WURNO L 34.5 1
OPEN BRANCH FROM BUS 242841 TO BUS 244142 CKT Z1	/ 242841 05W GLOW 138 244142 WESTGLOW 13.2 Z1
END	
CONTINGENCY '5386_B2_TOR90A_MOAB'	
OPEN BRANCH FROM BUS 242745 TO BUS 242841 CKT 1	/ 242745 05PEAKCK 138 242841 05W GLOW 138 1
OPEN BRANCH FROM BUS 242841 TO BUS 242853 CKT 1	/ 242841 05W GLOW 138 242853 05WURNO 138 1
OPEN BRANCH FROM BUS 242841 TO BUS 244142 CKT Z1	/ 242841 05W GLOW 138 244142 WESTGLOW 13.2 Z1
END	
CONTINGENCY '5387_B2_TOR90B_MOAB'	
OPEN BRANCH FROM BUS 242609 TO BUS 242853 CKT 1	/ 242609 05CLYTR2 138 242853 05WURNO 138 1
END	
CONTINGENCY '8518_B2_TOR92'	
OPEN BRANCH FROM BUS 242609 TO BUS 242634 CKT 1	/ 242609 05CLYTR2 138 242634 05EDGEMO 138 1
END	
CONTINGENCY '5394_B2_TOR92A_MOAB'	
OPEN BRANCH FROM BUS 242708 TO BUS 242796 CKT 1	/ 242708 05M FUNK 138 242796 05SHAWSV 138 1
END	
CONTINGENCY '5397_B2_TOR93_WOMOAB'	
OPEN BRANCH FROM BUS 243969 TO BUS 242640 CKT 1	/ 243969 FLOYD EQ 999 242640 05FLOYD 138 1
OPEN BRANCH FROM BUS 243969 TO BUS 243967 CKT 1	/ 243969 FLOYD EQ 999 243967 FLOYD 69.0 1
OPEN BRANCH FROM BUS 243969 TO BUS 243966 CKT 1	/ 243969 FLOYD EQ 999 243966 FLOYD 34.5 1
OPEN BRANCH FROM BUS 242535 TO BUS 242610 CKT 1	/ 242535 05ALUMRG 138 242610 05CLYTR3 138 1
OPEN BRANCH FROM BUS 242535 TO BUS 242640 CKT 1	/ 242535 05ALUMRG 138 242640 05FLOYD 138 1
OPEN BRANCH FROM BUS 242640 TO BUS 242750 CKT 1	/ 242640 05FLOYD 138 242750 05PHILPO 138 1
OPEN BRANCH FROM BUS 242750 TO BUS 242844 CKT 1	/ 242750 05PHILPO 138 242844 05W.BASS 138 1
OPEN BRANCH FROM BUS 242535 TO BUS 244152 CKT 1	/ 242535 05ALUMRG 138 244152 ALUMRDGL 34.5 1
OPEN BRANCH FROM BUS 242640 TO BUS 243968 CKT Z1	/ 242640 05FLOYD 138 243968 FLOYD L 12.0 Z1
OPEN BRANCH FROM BUS 243967 TO BUS 244007 CKT 1	/ 243967 FLOYD 69.0 244007 WOOLWINE 69.0 1
END	
CONTINGENCY '5398_B2_TOR93A_MOAB'	
OPEN BRANCH FROM BUS 242640 TO BUS 242750 CKT 1	/ 242640 05FLOYD 138 242750 05PHILPO 138 1
OPEN BRANCH FROM BUS 242750 TO BUS 242844 CKT 1	/ 242750 05PHILPO 138 242844 05W.BASS 138 1
END	
CONTINGENCY '5399_B2_TOR93B_MOAB'	
OPEN BRANCH FROM BUS 242535 TO BUS 242610 CKT 1	/ 242535 05ALUMRG 138 242610 05CLYTR3 138 1
OPEN BRANCH FROM BUS 242535 TO BUS 242640 CKT 1	/ 242535 05ALUMRG 138 242640 05FLOYD 138 1
OPEN BRANCH FROM BUS 242535 TO BUS 244152 CKT 1	/ 242535 05ALUMRG 138 244152 ALUMRDGL 34.5 1
END	

CONTINGENCY '5400_B2_TOR94_WOMOAB'	
OPEN BRANCH FROM BUS 242500 TO BUS 242603 CKT 1	/ 242500 CLIFRDEQ 999 242603 05CLIFFR 138 1
OPEN BRANCH FROM BUS 242500 TO BUS 242867 CKT 1	/ 242500 CLIFRDEQ 999 242867 CLIFFORD 69.0 1
OPEN BRANCH FROM BUS 242500 TO BUS 242888 CKT 1	/ 242500 CLIFRDEQ 999 242888 CLIFFORD 46.0 1
OPEN BRANCH FROM BUS 242563 TO BUS 242603 CKT 1	/ 242563 05BOXWD 138 242603 05CLIFFR 138 1
OPEN BRANCH FROM BUS 242563 TO BUS 242765 CKT 1	/ 242563 05BOXWD 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 242563 TO BUS 242772 CKT 1	/ 242563 05BOXWD 138 242772 05RIVERV 138 1
OPEN BRANCH FROM BUS 242563 TO BUS 243936 CKT 1	/ 242563 05BOXWD 138 243936 BOXWOODL 12.0 1
END	
CONTINGENCY '5401_B2_TOR94A_MOAB'	
OPEN BRANCH FROM BUS 242563 TO BUS 242765 CKT 1	/ 242563 05BOXWD 138 242765 05REUSEN 138 1
END	
CONTINGENCY '5402_B2_TOR94B_MOAB'	
OPEN BRANCH FROM BUS 242563 TO BUS 242603 CKT 1	/ 242563 05BOXWD 138 242603 05CLIFFR 138 1
END	
CONTINGENCY '5403_B2_TOR95_WOMOAB'	
OPEN BRANCH FROM BUS 242603 TO BUS 242613 CKT 1	/ 242603 05CLIFFR 138 242613 05COLL T 138 1
OPEN BRANCH FROM BUS 242613 TO BUS 242792 CKT 1	/ 242613 05COLL T 138 242792 05SCOTSV 138 1
OPEN BRANCH FROM BUS 242603 TO BUS 242888 CKT 1	/ 242603 05CLIFFR 138 242888 CLIFFORD 46.0 1
OPEN BRANCH FROM BUS 242792 TO BUS 243803 CKT 1	/ 242792 05SCOTSV 138 243803 SCOTTVIL 46.0 1
OPEN BRANCH FROM BUS 242792 TO BUS 243803 CKT 2	/ 242792 05SCOTSV 138 243803 SCOTTVIL 46.0 2
OPEN BRANCH FROM BUS 242613 TO BUS 247036 CKT Z1	/ 242613 05COLL T 138 247036 COLLEEN8 24.9 Z1
END	
CONTINGENCY '5404_B2_TOR95A_MOAB'	
OPEN BRANCH FROM BUS 242603 TO BUS 242613 CKT 1	/ 242603 05CLIFFR 138 242613 05COLL T 138 1
OPEN BRANCH FROM BUS 242613 TO BUS 242792 CKT 1	/ 242613 05COLL T 138 242792 05SCOTSV 138 1
OPEN BRANCH FROM BUS 242613 TO BUS 247036 CKT Z1	/ 242613 05COLL T 138 247036 COLLEEN8 24.9 Z1
END	
CONTINGENCY '1416_B2_TOR96_WOMOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242644 CKT 1	/ 242605 05CLNCHR 138 242644 05FREMO1 138 1
OPEN BRANCH FROM BUS 242644 TO BUS 242645 CKT Z1	/ 242644 05FREMO1 138 242645 05FREMO2 138 Z1
OPEN BRANCH FROM BUS 242644 TO BUS 242873 CKT 1	/ 242644 05FREMO1 138 242873 FREMONT- 69.0 1
END	
CONTINGENCY '1236_B2_TOR96A_MOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242644 CKT 1	/ 242605 05CLNCHR 138 242644 05FREMO1 138 1
END	
CONTINGENCY '5294_B2_TOR97_WOMOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242606 CKT 1	/ 242605 05CLNCHR 138 242606 05CLNLFD 138 1
OPEN BRANCH FROM BUS 242606 TO BUS 242639 CKT 1	/ 242606 05CLNLFD 138 242639 05FLETCH 138 1
OPEN BRANCH FROM BUS 242639 TO BUS 242801 CKT 1	/ 242639 05FLETCH 138 242801 05SKEGGB 138 1
OPEN BRANCH FROM BUS 242648 TO BUS 242661 CKT 1	/ 242648 05GARDEC 138 242661 05HALES1 138 1
OPEN BRANCH FROM BUS 242648 TO BUS 242801 CKT 1	/ 242648 05GARDEC 138 242801 05SKEGGB 138 1
OPEN BRANCH FROM BUS 242606 TO BUS 242868 CKT 1	/ 242606 05CLNLFD 138 242868 CLNCHFLD 69.0 1
OPEN BRANCH FROM BUS 242648 TO BUS 244284 CKT 1	/ 242648 05GARDEC 138 244284 GARDNCRK 69.0 1
OPEN BRANCH FROM BUS 242801 TO BUS 244308 CKT 1	/ 242801 05SKEGGB 138 244308 SKEGGSBR 69.0 1
OPEN BRANCH FROM BUS 242639 TO BUS 244283 CKT 1	/ 242639 05FLETCH 138 244283 FLTCHR L 12.0 1
END	
CONTINGENCY '5295_B2_TOR97A_MOAB'	
OPEN BRANCH FROM BUS 242639 TO BUS 242801 CKT 1	/ 242639 05FLETCH 138 242801 05SKEGGB 138 1
OPEN BRANCH FROM BUS 242648 TO BUS 242801 CKT 1	/ 242648 05GARDEC 138 242801 05SKEGGB 138 1
OPEN BRANCH FROM BUS 242801 TO BUS 244308 CKT 1	/ 242801 05SKEGGB 138 244308 SKEGGSBR 69.0 1
END	
CONTINGENCY '5296_B2_TOR97B_MOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242606 CKT 1	/ 242605 05CLNCHR 138 242606 05CLNLFD 138 1
OPEN BRANCH FROM BUS 242606 TO BUS 242639 CKT 1	/ 242606 05CLNLFD 138 242639 05FLETCH 138 1
OPEN BRANCH FROM BUS 242606 TO BUS 242868 CKT 1	/ 242606 05CLNLFD 138 242868 CLNCHFLD 69.0 1
END	
CONTINGENCY '6173_B2_TOR98_WOMOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242700 CKT 1	/ 242605 05CLNCHR 138 242700 05LEBANO 138 1
OPEN BRANCH FROM BUS 242635 TO BUS 246766 CKT 1	/ 242635 05ELKGAR 138 246766 05ELKGAZ 138 1
OPEN BRANCH FROM BUS 246766 TO BUS 242700 CKT 1	/ 246766 05ELKGAR 138 242700 05LEBANO 138 1

OPEN BRANCH FROM BUS 246766 TO BUS 242788 CKT 1	/ 246766 05ELKGAZ 138 242788 05SALTV1 138 1
OPEN BRANCH FROM BUS 242635 TO BUS 244269 CKT Z1	/ 242635 05ELKGAR 138 244269 ELKGARDN 34.5 Z1
OPEN BRANCH FROM BUS 242635 TO BUS 244233 CKT 1	/ 242635 05ELKGAR 138 244233 ELKGARDN 12.0 1
OPEN BRANCH FROM BUS 242700 TO BUS 244243 CKT 1	/ 242700 05LEBANO 138 244243 LEBANON 12.0 1
END	
CONTINGENCY '6174_B2_TOR98A_MOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242700 CKT 1	/ 242605 05CLNCHR 138 242700 05LEBANO 138 1
OPEN BRANCH FROM BUS 246766 TO BUS 242700 CKT 1	/ 246766 05ELKGAZ 138 242700 05LEBANO 138 1
OPEN BRANCH FROM BUS 242700 TO BUS 244243 CKT 1	/ 242700 05LEBANO 138 244243 LEBANON 12.0 1
END	
CONTINGENCY '6175_B2_TOR98B_MOAB'	
OPEN BRANCH FROM BUS 242635 TO BUS 246766 CKT 1	/ 242635 05ELKGAR 138 246766 05ELKGAZ 138 1
OPEN BRANCH FROM BUS 246766 TO BUS 242700 CKT 1	/ 246766 05ELKGAZ 138 242700 05LEBANO 138 1
OPEN BRANCH FROM BUS 246766 TO BUS 242788 CKT 1	/ 246766 05ELKGAZ 138 242788 05SALTV1 138 1
OPEN BRANCH FROM BUS 242635 TO BUS 244269 CKT Z1	/ 242635 05ELKGAR 138 244269 ELKGARDN 34.5 Z1
OPEN BRANCH FROM BUS 242635 TO BUS 244233 CKT 1	/ 242635 05ELKGAR 138 244233 ELKGARDN 12.0 1
END	
CONTINGENCY '6176_B2_TOR98C_MOAB'	
OPEN BRANCH FROM BUS 246766 TO BUS 242788 CKT 1	/ 246766 05ELKGAZ 138 242788 05SALTV1 138 1
END	
CONTINGENCY '5677_B2_TOR99_WOMOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242665 CKT 1	/ 242605 05CLNCHR 138 242665 05HANSON 138 1
OPEN BRANCH FROM BUS 242665 TO BUS 242714 CKT 1	/ 242665 05HANSON 138 242714 05MEADWV 138 1
OPEN BRANCH FROM BUS 242714 TO BUS 242789 CKT 1	/ 242714 05MEADWV 138 242789 05SALTV2 138 1
OPEN BRANCH FROM BUS 242714 TO BUS 242875 CKT 1	/ 242714 05MEADWV 138 242875 MEADWVW 69.0 1
OPEN BRANCH FROM BUS 242665 TO BUS 244255 CKT Z1	/ 242665 05HANSON 138 244255 HANSONVL 12.0 Z1
OPEN BRANCH FROM BUS 242714 TO BUS 244260 CKT 1	/ 242714 05MEADWV 138 244260 MEADOWVL 12.0 1
OPEN BRANCH FROM BUS 244241 TO BUS 242875 CKT 1	/ 244241 HILLMAN 69.0 242875 MEADWVW 69.0 1
OPEN BRANCH FROM BUS 242875 TO BUS 244268 CKT 1	/ 242875 MEADWVW 69.0 244268 MEDALLIN 69.0 1
END	
CONTINGENCY '5678_B2_TOR99A_MOAB'	
OPEN BRANCH FROM BUS 242714 TO BUS 242789 CKT 1	/ 242714 05MEADWV 138 242789 05SALTV2 138 1
OPEN BRANCH FROM BUS 242714 TO BUS 244260 CKT 1	/ 242714 05MEADWV 138 244260 MEADOWVL 12.0 1
END	
CONTINGENCY '5679_B2_TOR99B_MOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242665 CKT 1	/ 242605 05CLNCHR 138 242665 05HANSON 138 1
OPEN BRANCH FROM BUS 242665 TO BUS 242714 CKT 1	/ 242665 05HANSON 138 242714 05MEADWV 138 1
OPEN BRANCH FROM BUS 242665 TO BUS 244255 CKT Z1	/ 242665 05HANSON 138 244255 HANSONVL 12.0 Z1
END	
CONTINGENCY '5405_B2_TOR100_WOMOAB'	
OPEN BRANCH FROM BUS 244034 TO BUS 242583 CKT 1	/ 244034 CATAWBEQ 999 242583 05CATAWB 138 1
OPEN BRANCH FROM BUS 244034 TO BUS 244033 CKT 1	/ 244034 CATAWBEQ 999 244033 CATAWBA 69.0 1
OPEN BRANCH FROM BUS 244034 TO BUS 244032 CKT 1	/ 244034 CATAWBEQ 999 244032 CATAWBA 34.5 1
OPEN BRANCH FROM BUS 242583 TO BUS 242607 CKT 1	/ 242583 05CATAWB 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242583 TO BUS 242694 CKT 1	/ 242583 05CATAWB 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242650 TO BUS 242694 CKT 1	/ 242650 05GLENL1 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242572 TO BUS 244027 CKT 1	/ 242572 05BURLHT 138 244027 BURLHT L 34.5 1
OPEN BRANCH FROM BUS 242694 TO BUS 244129 CKT 1	/ 242694 05KIMBAL 138 244129 KIMBAL L 34.5 1
OPEN BRANCH FROM BUS 244033 TO BUS 244037 CKT 1	/ 244033 CATAWBA 69.0 244037 CLEVEL 69.0 1
OPEN BRANCH FROM BUS 244033 TO BUS 244062 CKT 1	/ 244033 CATAWBA 69.0 244062 MASON CR 69.0 1
OPEN BRANCH FROM BUS 244032 TO BUS 244061 CKT 1	/ 244032 CATAWBA 34.5 244061 MASON CR 34.5 1
END	
CONTINGENCY '5406_B2_TOR100A_MOAB'	
OPEN BRANCH FROM BUS 242583 TO BUS 242607 CKT 1	/ 242583 05CATAWB 138 242607 05CLOVRD 138 1
END	
CONTINGENCY '5407_B2_TOR100B_MOAB'	
OPEN BRANCH FROM BUS 242583 TO BUS 242694 CKT 1	/ 242583 05CATAWB 138 242694 05KIMBAL 138 1
END	
CONTINGENCY '5408_B2_TOR100C_MOAB'	
OPEN BRANCH FROM BUS 242650 TO BUS 242694 CKT 1	/ 242650 05GLENL1 138 242694 05KIMBAL 138 1
END	

CONTINGENCY '6218_B2_TOR101_WOMOAB'	
OPEN BRANCH FROM BUS 244101 TO BUS 242676 CKT 1	/ 244101 HUNTCREQ 999 242676 05HUNTCT 138 1
OPEN BRANCH FROM BUS 242607 TO BUS 242676 CKT 1	/ 242607 05CLOVRD 138 242676 05HUNTCT 138 1
END	
CONTINGENCY '6219_B2_TOR101A_MOAB'	
OPEN BRANCH FROM BUS 242607 TO BUS 242676 CKT 1	/ 242607 05CLOVRD 138 242676 05HUNTCT 138 1
END	
CONTINGENCY '5410_B2_TOR102_WOMOAB'	
OPEN BRANCH FROM BUS 242572 TO BUS 242584 CKT 1	/ 242572 05BURLHT 138 242584 05CATAWZ 138 1
OPEN BRANCH FROM BUS 242572 TO BUS 242607 CKT 1	/ 242572 05BURLHT 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242584 TO BUS 242852 CKT 1	/ 242584 05CATAWZ 138 242852 05WSALEM 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 242852 CKT 1	/ 242708 05M FUNK 138 242852 05WSALEM 138 1
OPEN BRANCH FROM BUS 242572 TO BUS 244027 CKT 1	/ 242572 05BURLHT 138 244027 BURLHT L 34.5 1
OPEN BRANCH FROM BUS 242852 TO BUS 244090 CKT 1	/ 242852 05WSALEM 138 244090 WSALEM L 12.0 1
END	
CONTINGENCY '5411_B2_TOR102A_MOAB'	
OPEN BRANCH FROM BUS 242572 TO BUS 242584 CKT 1	/ 242572 05BURLHT 138 242584 05CATAWZ 138 1
OPEN BRANCH FROM BUS 242572 TO BUS 242607 CKT 1	/ 242572 05BURLHT 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242572 TO BUS 244027 CKT 1	/ 242572 05BURLHT 138 244027 BURLHT L 34.5 1
END	
CONTINGENCY '5412_B2_TOR102B_MOAB'	
OPEN BRANCH FROM BUS 242584 TO BUS 242852 CKT 1	/ 242584 05CATAWZ 138 242852 05WSALEM 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 242852 CKT 1	/ 242708 05M FUNK 138 242852 05WSALEM 138 1
OPEN BRANCH FROM BUS 242852 TO BUS 244090 CKT 1	/ 242852 05WSALEM 138 244090 WSALEM L 12.0 1
END	
CONTINGENCY '5413_B2_TOR103_WOMOAB'	
OPEN BRANCH FROM BUS 242589 TO BUS 242681 CKT 1	/ 242589 05CENTCR 138 242681 05IVY HL 138 1
OPEN BRANCH FROM BUS 242589 TO BUS 243883 CKT 1	/ 242589 05CENTCR 138 243883 05LAKEFR 138 1
OPEN BRANCH FROM BUS 242607 TO BUS 243883 CKT 1	/ 242607 05CLOVRD 138 243883 05LAKEFR 138 1
OPEN BRANCH FROM BUS 243857 TO BUS 242681 CKT 1	/ 243857 05COFFEE 138 242681 05IVY HL 138 1
OPEN BRANCH FROM BUS 243857 TO BUS 242765 CKT 1	/ 243857 05COFFEE 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 243883 TO BUS 244074 CKT 1	/ 243883 05LAKEFR 138 244074 LAKEFRST 34.5 1
OPEN BRANCH FROM BUS 243857 TO BUS 243918 CKT 1	/ 243857 05COFFEE 138 243918 COFFEE L 12.0 1
OPEN BRANCH FROM BUS 242681 TO BUS 243944 CKT 1	/ 242681 05IVY HL 138 243944 IVY HL L 12.0 1
END	
CONTINGENCY '5414_B2_TOR103A_MOAB'	
OPEN BRANCH FROM BUS 243857 TO BUS 242765 CKT 1	/ 243857 05COFFEE 138 242765 05REUSEN 138 1
END	
CONTINGENCY '6407_B2_TOR103B_MOAB'	
OPEN BRANCH FROM BUS 243857 TO BUS 242681 CKT 1	/ 243857 05COFFEE 138 242681 05IVY HL 138 1
END	
CONTINGENCY '5415_B2_TOR103C_MOAB'	
OPEN BRANCH FROM BUS 242589 TO BUS 242681 CKT 1	/ 242589 05CENTCR 138 242681 05IVY HL 138 1
OPEN BRANCH FROM BUS 242589 TO BUS 243883 CKT 1	/ 242589 05CENTCR 138 243883 05LAKEFR 138 1
OPEN BRANCH FROM BUS 242607 TO BUS 243883 CKT 1	/ 242607 05CLOVRD 138 243883 05LAKEFR 138 1
OPEN BRANCH FROM BUS 243883 TO BUS 244074 CKT 1	/ 243883 05LAKEFR 138 244074 LAKEFRST 34.5 1
END	
CONTINGENCY '5416_B2_TOR104_WOMOAB'	
OPEN BRANCH FROM BUS 242560 TO BUS 242607 CKT 1	/ 242560 05BONSCK 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242560 TO BUS 242840 CKT 1	/ 242560 05BONSCK 138 242840 05VINTON 138 1
OPEN BRANCH FROM BUS 242773 TO BUS 242840 CKT 1	/ 242773 05ROANO1 138 242840 05VINTON 138 1
OPEN BRANCH FROM BUS 242560 TO BUS 244091 CKT 1	/ 242560 05BONSCK 138 244091 BONSACK 34.5 1
OPEN BRANCH FROM BUS 242840 TO BUS 244082 CKT 1	/ 242840 05VINTON 138 244082 VINTON L 12.0 1
END	
CONTINGENCY '5417_B2_TOR104A_MOAB'	
OPEN BRANCH FROM BUS 242773 TO BUS 242840 CKT 1	/ 242773 05ROANO1 138 242840 05VINTON 138 1
END	
CONTINGENCY '5418_B2_TOR104B_MOAB'	
OPEN BRANCH FROM BUS 242560 TO BUS 242607 CKT 1	/ 242560 05BONSCK 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242560 TO BUS 242840 CKT 1	/ 242560 05BONSCK 138 242840 05VINTON 138 1
OPEN BRANCH FROM BUS 242560 TO BUS 244091 CKT 1	/ 242560 05BONSCK 138 244091 BONSACK 34.5 1

END	
CONTINGENCY '5419_B2_TOR105_WOMOAB'	
OPEN BRANCH FROM BUS 242607 TO BUS 243892 CKT 1	/ 242607 05CLOVRD 138 243892 05MEADS8 138 1
OPEN BRANCH FROM BUS 243892 TO BUS 242720 CKT 1	/ 243892 05MEADS8 138 242720 05MONETA 138 1
OPEN BRANCH FROM BUS 242720 TO BUS 242775 CKT 1	/ 242720 05MONETA 138 242775 05ROCKCA 138 1
OPEN BRANCH FROM BUS 242775 TO BUS 242802 CKT 1	/ 242775 05ROCKCA 138 242802 05SMITHM 138 1
OPEN BRANCH FROM BUS 243892 TO BUS 243893 CKT Z1	/ 243892 05MEADS8 138 243893 MEADS 8 24.9 Z1
OPEN BRANCH FROM BUS 242720 TO BUS 244066 CKT 1	/ 242720 05MONETA 138 244066 MONETA L 12.0 1
OPEN BRANCH FROM BUS 242775 TO BUS 244096 CKT 1	/ 242775 05ROCKCA 138 244096 ROCKCA L 12.0 1
END	
CONTINGENCY '5420_B2_TOR105A_MOAB'	
OPEN BRANCH FROM BUS 242607 TO BUS 243892 CKT 1	/ 242607 05CLOVRD 138 243892 05MEADS8 138 1
END	
CONTINGENCY '6989_B2_TOR105B_MOAB'	
OPEN BRANCH FROM BUS 243892 TO BUS 242720 CKT 1	/ 243892 05MEADS8 138 242720 05MONETA 138 1
END	
CONTINGENCY '5421_B2_TOR105C_MOAB'	
OPEN BRANCH FROM BUS 242720 TO BUS 242775 CKT 1	/ 242720 05MONETA 138 242775 05ROCKCA 138 1
OPEN BRANCH FROM BUS 242720 TO BUS 244066 CKT 1	/ 242720 05MONETA 138 244066 MONETA L 12.0 1
OPEN BRANCH FROM BUS 242775 TO BUS 244096 CKT 1	/ 242775 05ROCKCA 138 244096 ROCKCA L 12.0 1
END	
CONTINGENCY '5422_B2_TOR105D_MOAB'	
OPEN BRANCH FROM BUS 242775 TO BUS 242802 CKT 1	/ 242775 05ROCKCA 138 242802 05SMITHM 138 1
END	
CONTINGENCY '5424_B2_TOR107'	
OPEN BRANCH FROM BUS 242619 TO BUS 242771 CKT 1	/ 242619 05DANVL1 138 242771 05RIVERS 138 1
END	
CONTINGENCY '6021_B2_TOR108'	
OPEN BRANCH FROM BUS 242621 TO BUS 242835 CKT 1	/ 242621 05DARRH1 138 242835 05TRISTA 138 1
END	
CONTINGENCY '5426_B2_TOR109A_MOAB'	
OPEN BRANCH FROM BUS 242627 TO BUS 242737 CKT 1	/ 242627 05E.LYNC 138 242737 05OPOSSC 138 1
END	
CONTINGENCY '5427_B2_TOR110'	
OPEN BRANCH FROM BUS 242627 TO BUS 242688 CKT 1	/ 242627 05E.LYNC 138 242688 05JOSHUA 138 1
END	
CONTINGENCY '5428_B2_TOR112'	
OPEN BRANCH FROM BUS 242638 TO BUS 242744 CKT 1	/ 242638 05FLDAL1 138 242744 05PATCTR 138 1
OPEN BRANCH FROM BUS 242711 TO BUS 242744 CKT 1	/ 242711 05MARTN1 138 242744 05PATCTR 138 1
OPEN BRANCH FROM BUS 242744 TO BUS 244022 CKT Z1	/ 242744 05PATCTR 138 244022 PATRIOTC 34.5 Z1
END	
CONTINGENCY '5429_B2_TOR113_WOMOAB'	
OPEN BRANCH FROM BUS 242638 TO BUS 242797 CKT 1	/ 242638 05FLDAL1 138 242797 05SHEFLD 138 1
OPEN BRANCH FROM BUS 242767 TO BUS 242797 CKT 1	/ 242767 05RIDGWA 138 242797 05SHEFLD 138 1
OPEN BRANCH FROM BUS 242767 TO BUS 243986 CKT 1	/ 242767 05RIDGWA 138 243986 RIDGEWAY 69.0 1
OPEN BRANCH FROM BUS 242767 TO BUS 243986 CKT 2	/ 242767 05RIDGWA 138 243986 RIDGEWAY 69.0 2
OPEN BRANCH FROM BUS 242797 TO BUS 244008 CKT 1	/ 242797 05SHEFLD 138 244008 SHEFLD L 34.5 1
OPEN BRANCH FROM BUS 242767 TO BUS 243987 CKT 1	/ 242767 05RIDGWA 138 243987 RIDGWY L 12.0 1
OPEN BRANCH FROM BUS 243985 TO BUS 243986 CKT 1	/ 243985 RICH ACR 69.0 243986 RIDGEWAY 69.0 1
OPEN BRANCH FROM BUS 243986 TO BUS 243994 CKT 1	/ 243986 RIDGEWAY 69.0 243994 SOLITE 69.0 1
END	
CONTINGENCY '5430_B2_TOR113A_MOAB'	
OPEN BRANCH FROM BUS 242638 TO BUS 242797 CKT 1	/ 242638 05FLDAL1 138 242797 05SHEFLD 138 1
END	
CONTINGENCY '5431_B2_TOR113B_MOAB'	
OPEN BRANCH FROM BUS 242767 TO BUS 242797 CKT 1	/ 242767 05RIDGWA 138 242797 05SHEFLD 138 1
END	
CONTINGENCY '5432_B2_TOR114_WOMOAB'	
OPEN BRANCH FROM BUS 244001 TO BUS 242844 CKT 1	/ 244001 WBASSTEQ 999 242844 05W.BASS 138 1
OPEN BRANCH FROM BUS 244001 TO BUS 244000 CKT Z1	/ 244001 WBASSTEQ 999 244000 W.BASSET 69.0 Z1
OPEN BRANCH FROM BUS 244001 TO BUS 243999 CKT 1	/ 244001 WBASSTEQ 999 243999 W.BASSET 34.5 1

OPEN BRANCH FROM BUS 242638 TO BUS 242844 CKT 1 END	/ 242638 05FLDAL1 138 242844 05W.BASS 138 1
CONTINGENCY '5433_B2_TOR114A_MOAB'	
OPEN BRANCH FROM BUS 242638 TO BUS 242844 CKT 1 END	/ 242638 05FLDAL1 138 242844 05W.BASS 138 1
CONTINGENCY '8677_B2_TOR115'	
OPEN BRANCH FROM BUS 242531 TO BUS 242632 CKT 4 END	/ 242531 05EDANV2 230 242632 05EDAN 2 138 4
CONTINGENCY '8679_B2_TOR115'	
OPEN BRANCH FROM BUS 242629 TO BUS 242632 CKT 1 END	/ 242629 05E.MONU 138 242632 05EDAN 2 138 1
CONTINGENCY '5435_B2_TOR116_WOMOAB'	
OPEN BRANCH FROM BUS 242638 TO BUS 242736 CKT 1	/ 242638 05FLDAL1 138 242736 05OAKLEV 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242736 CKT 1	/ 242656 05GRASSH 138 242736 05OAKLEV 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242774 CKT 1	/ 242656 05GRASSH 138 242774 05ROANO2 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242826 CKT 1	/ 242656 05GRASSH 138 242826 05TANKHL 138 1
OPEN BRANCH FROM BUS 242826 TO BUS 243991 CKT 1	/ 242826 05TANKHL 138 243991 TANKHILL 34.5 1
OPEN BRANCH FROM BUS 242736 TO BUS 244020 CKT 1 END	/ 242736 05OAKLEV 138 244020 OAKLEV L 12.0 1
CONTINGENCY '5436_B2_TOR116A_MOAB'	
OPEN BRANCH FROM BUS 242656 TO BUS 242736 CKT 1	/ 242656 05GRASSH 138 242736 05OAKLEV 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242774 CKT 1	/ 242656 05GRASSH 138 242774 05ROANO2 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242826 CKT 1	/ 242656 05GRASSH 138 242826 05TANKHL 138 1
OPEN BRANCH FROM BUS 242826 TO BUS 243991 CKT 1 END	/ 242826 05TANKHL 138 243991 TANKHILL 34.5 1
CONTINGENCY '5437_B2_TOR116B_MOAB'	
OPEN BRANCH FROM BUS 242638 TO BUS 242736 CKT 1 END	/ 242638 05FLDAL1 138 242736 05OAKLEV 138 1
CONTINGENCY '5297_B2_TOR118_WOMOAB'	
OPEN BRANCH FROM BUS 242671 TO BUS 242834 CKT 1	/ 242671 05HOPKIN 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242705 TO BUS 242735 CKT 1	/ 242705 05LOGAN2 138 242735 05NPOINT 138 1
OPEN BRANCH FROM BUS 242735 TO BUS 242834 CKT 1	/ 242735 05NPOINT 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242795 TO BUS 242834 CKT 1	/ 242795 05SHARPL 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242817 TO BUS 242834 CKT 1	/ 242817 05STONBR 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242735 TO BUS 244530 CKT 1	/ 242735 05NPOINT 138 244530 N.POINT 34.5 1
OPEN BRANCH FROM BUS 242817 TO BUS 244519 CKT 1 END	/ 242817 05STONBR 138 244519 STONBR L 12.0 1
CONTINGENCY '5298_B2_TOR118A_MOAB'	
OPEN BRANCH FROM BUS 242671 TO BUS 242834 CKT 1 END	/ 242671 05HOPKIN 138 242834 05TRCFOR 138 1
CONTINGENCY '5299_B2_TOR118B_MOAB'	
OPEN BRANCH FROM BUS 242817 TO BUS 242834 CKT 1	/ 242817 05STONBR 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242817 TO BUS 244519 CKT 1 END	/ 242817 05STONBR 138 244519 STONBR L 12.0 1
CONTINGENCY '5300_B2_TOR118C_MOAB'	
OPEN BRANCH FROM BUS 242795 TO BUS 242834 CKT 1 END	/ 242795 05SHARPL 138 242834 05TRCFOR 138 1
CONTINGENCY '5301_B2_TOR118D_MOAB'	
OPEN BRANCH FROM BUS 242705 TO BUS 242735 CKT 1	/ 242705 05LOGAN2 138 242735 05NPOINT 138 1
OPEN BRANCH FROM BUS 242735 TO BUS 242834 CKT 1	/ 242735 05NPOINT 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242735 TO BUS 244530 CKT 1 END	/ 242735 05NPOINT 138 244530 N.POINT 34.5 1
CONTINGENCY '7404_B2_TOR119_WOMOAB'	
OPEN BRANCH FROM BUS 242651 TO BUS 242805 CKT 1	/ 242651 05GLENL2 138 242805 05HATCHR 138 1
OPEN BRANCH FROM BUS 246898 TO BUS 242805 CKT 1	/ 246898 05HALLSR 138 242805 05HATCHR 138 1
OPEN BRANCH FROM BUS 246898 TO BUS 242787 CKT 1	/ 246898 05HALLSR 138 242787 05S.PRI2 138 1
OPEN BRANCH FROM BUS 242805 TO BUS 242806 CKT 1	/ 242805 05HATCHR 138 242806 05SPDWY 138 1
OPEN BRANCH FROM BUS 246898 TO BUS 246899 CKT 1	/ 246898 05HALLSR 138 246899 HALLSRDG 34.5 1
OPEN BRANCH FROM BUS 242806 TO BUS 244364 CKT 1 END	/ 242806 05SPDWY 138 244364 SPEEDW L 12.0 1
CONTINGENCY '5303_B2_TOR119A_MOAB'	

OPEN BRANCH FROM BUS 242651 TO BUS 242805 CKT 1 END	/ 242651 05GLENL2 138 242805 05HATCHR 138 1
CONTINGENCY '5304_B2_TOR119B_MOAB'	
OPEN BRANCH FROM BUS 246898 TO BUS 242805 CKT 1	/ 246898 05HALLSR 138 242805 05HATCHR 138 1
OPEN BRANCH FROM BUS 242805 TO BUS 242806 CKT 1	/ 242805 05HATCHR 138 242806 05SPDWY 138 1
OPEN BRANCH FROM BUS 242806 TO BUS 244364 CKT 1 END	/ 242806 05SPDWY 138 244364 SPEEDW L 12.0 1
CONTINGENCY '6851_B2_TOR119C_MOAB'	
OPEN BRANCH FROM BUS 246898 TO BUS 242787 CKT 1 END	/ 246898 05HALLSR 138 242787 05S.PRI2 138 1
CONTINGENCY '8394_B2_TOR120_WOMOAB'	
OPEN BRANCH FROM BUS 244496 TO BUS 242671 CKT 1	/ 244496 HOPKNSEQ 999 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 244496 TO BUS 244494 CKT 1	/ 244496 HOPKNSEQ 999 244494 HOPKINS 69.0 1
OPEN BRANCH FROM BUS 244496 TO BUS 244493 CKT 1	/ 244496 HOPKNSEQ 999 244493 HOPKINS 46.0 1
OPEN BRANCH FROM BUS 242537 TO BUS 247091 CKT 1	/ 242537 05AMOS 138 247091 05LAKEVI 138 1
OPEN BRANCH FROM BUS 242537 TO BUS 242814 CKT 1	/ 242537 05AMOS 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242655 CKT 1	/ 242539 05ANGLBR 138 242655 05GRASFK 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242672 CKT 1	/ 242539 05ANGLBR 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242814 CKT 1	/ 242539 05ANGLBR 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242553 TO BUS 242671 CKT 1	/ 242553 05BETH 138 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242672 CKT 1	/ 242671 05HOPKIN 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242834 CKT 1	/ 242671 05HOPKIN 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 247091 TO BUS 242836 CKT 1	/ 247091 05LAKEVI 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242655 TO BUS 244815 CKT 1	/ 242655 05GRASFK 138 244815 GRASFK L 34.5 1
OPEN BRANCH FROM BUS 242671 TO BUS 244489 CKT Z1	/ 242671 05HOPKIN 138 244489 HOPKN L2 34.5 Z1
OPEN BRANCH FROM BUS 242553 TO BUS 244472 CKT 1	/ 242553 05BETH 138 244472 BETH L 12.0 1
OPEN BRANCH FROM BUS 242671 TO BUS 244495 CKT 1	/ 242671 05HOPKIN 138 244495 HOPKNS L 12.0 1
OPEN BRANCH FROM BUS 247091 TO BUS 247092 CKT Z1	/ 247091 05LAKEVI 138 247092 LAKEVI L 12.0 Z1
OPEN BRANCH FROM BUS 242814 TO BUS 244869 CKT 1	/ 242814 05ST.ALB 138 244869 STALBN L 12.0 1
OPEN BRANCH FROM BUS 244494 TO BUS 244512 CKT 1 END	/ 244494 HOPKINS 69.0 244512 ROBINSON 69.0 1
CONTINGENCY '6027_B2_TOR120_WOMOAB'	
OPEN BRANCH FROM BUS 244496 TO BUS 242671 CKT 1	/ 244496 HOPKNSEQ 999 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 244496 TO BUS 244494 CKT 1	/ 244496 HOPKNSEQ 999 244494 HOPKINS 69.0 1
OPEN BRANCH FROM BUS 244496 TO BUS 244493 CKT 1	/ 244496 HOPKNSEQ 999 244493 HOPKINS 46.0 1
OPEN BRANCH FROM BUS 242537 TO BUS 242814 CKT 1	/ 242537 05AMOS 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242655 CKT 1	/ 242539 05ANGLBR 138 242655 05GRASFK 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242672 CKT 1	/ 242539 05ANGLBR 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242814 CKT 1	/ 242539 05ANGLBR 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242553 TO BUS 242671 CKT 1	/ 242553 05BETH 138 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242672 CKT 1	/ 242671 05HOPKIN 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242834 CKT 1	/ 242671 05HOPKIN 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 242655 TO BUS 244815 CKT 1	/ 242655 05GRASFK 138 244815 GRASFK L 34.5 1
OPEN BRANCH FROM BUS 242671 TO BUS 244489 CKT Z1	/ 242671 05HOPKIN 138 244489 HOPKN L2 34.5 Z1
OPEN BRANCH FROM BUS 242553 TO BUS 244472 CKT 1	/ 242553 05BETH 138 244472 BETH L 12.0 1
OPEN BRANCH FROM BUS 242671 TO BUS 244495 CKT 1	/ 242671 05HOPKIN 138 244495 HOPKNS L 12.0 1
OPEN BRANCH FROM BUS 242814 TO BUS 244869 CKT 1	/ 242814 05ST.ALB 138 244869 STALBN L 12.0 1
OPEN BRANCH FROM BUS 244494 TO BUS 244512 CKT 1 END	/ 244494 HOPKINS 69.0 244512 ROBINSON 69.0 1
CONTINGENCY '6028_B2_TOR120A_MOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 242814 CKT 1	/ 242537 05AMOS 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242814 TO BUS 244869 CKT 1 END	/ 242814 05ST.ALB 138 244869 STALBN L 12.0 1
CONTINGENCY '6029_B2_TOR120B_MOAB'	
OPEN BRANCH FROM BUS 242539 TO BUS 242655 CKT 1	/ 242539 05ANGLBR 138 242655 05GRASFK 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242672 CKT 1	/ 242539 05ANGLBR 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242814 CKT 1	/ 242539 05ANGLBR 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242672 CKT 1	/ 242671 05HOPKIN 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242655 TO BUS 244815 CKT 1 END	/ 242655 05GRASFK 138 244815 GRASFK L 34.5 1
CONTINGENCY '5439_B2_TOR121_WOMOAB'	

OPEN BRANCH FROM BUS 242587 TO BUS 242749 CKT 1	/ 242587 05CELAN 138 242749 05PETERM 138 1
OPEN BRANCH FROM BUS 242651 TO BUS 242749 CKT 1	/ 242651 05GLENL2 138 242749 05PETERM 138 1
OPEN BRANCH FROM BUS 242749 TO BUS 244130 CKT 1	/ 242749 05PETERM 138 244130 PETERS L 34.5 1
END	
CONTINGENCY '5440_B2_TOR121A_MOAB'	
OPEN BRANCH FROM BUS 242651 TO BUS 242749 CKT 1	/ 242651 05GLENL2 138 242749 05PETERM 138 1
END	
CONTINGENCY '5441_B2_TOR121B_MOAB'	
OPEN BRANCH FROM BUS 242587 TO BUS 242749 CKT 1	/ 242587 05CELAN 138 242749 05PETERM 138 1
END	
CONTINGENCY '5442_B2_TOR122_WOMOAB'	
OPEN BRANCH FROM BUS 242585 TO BUS 242664 CKT 1	/ 242585 05CAVES1 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242585 TO BUS 246981 CKT 1	/ 242585 05CAVES1 138 246981 05SUNSCA 138 1
OPEN BRANCH FROM BUS 242774 TO BUS 246981 CKT 1	/ 242774 05ROANO2 138 246981 05SUNSCA 138 1
OPEN BRANCH FROM BUS 242585 TO BUS 244035 CKT Z1	/ 242585 05CAVES1 138 244035 CAVESP L 12.0 Z1
OPEN BRANCH FROM BUS 246981 TO BUS 246982 CKT Z1	/ 246981 05SUNSCA 138 246982 SUNSCA L 12.0 Z1
END	
CONTINGENCY '7701_B2_TOR122A_MOAB'	
OPEN BRANCH FROM BUS 242585 TO BUS 242664 CKT 1	/ 242585 05CAVES1 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242585 TO BUS 246981 CKT 1	/ 242585 05CAVES1 138 246981 05SUNSCA 138 1
OPEN BRANCH FROM BUS 242585 TO BUS 244035 CKT Z1	/ 242585 05CAVES1 138 244035 CAVESP L 12.0 Z1
END	
CONTINGENCY '7702_B2_TOR122B_MOAB'	
OPEN BRANCH FROM BUS 242774 TO BUS 246981 CKT 1	/ 242774 05ROANO2 138 246981 05SUNSCA 138 1
END	
CONTINGENCY '5443_B2_TOR123'	
OPEN BRANCH FROM BUS 242663 TO BUS 242708 CKT 1	/ 242663 05HANCK1 138 242708 05M FUNK 138 1
END	
CONTINGENCY '6216_B2_TOR124_WOMOAB'	
OPEN BRANCH FROM BUS 242663 TO BUS 242664 CKT 1	/ 242663 05HANCK1 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242663 TO BUS 242708 CKT 1	/ 242663 05HANCK1 138 242708 05M FUNK 138 1
OPEN BRANCH FROM BUS 242663 TO BUS 242764 CKT 1	/ 242663 05HANCK1 138 242764 05RES 138 1
OPEN BRANCH FROM BUS 242764 TO BUS 244070 CKT 1	/ 242764 05RES 138 244070 RES L 34.5 1
END	
CONTINGENCY '6217_B2_TOR124A_MOAB'	
OPEN BRANCH FROM BUS 242663 TO BUS 242764 CKT 1	/ 242663 05HANCK1 138 242764 05RES 138 1
OPEN BRANCH FROM BUS 242764 TO BUS 244070 CKT 1	/ 242764 05RES 138 244070 RES L 34.5 1
END	
CONTINGENCY '5680_B2_TOR125_WOMOAB'	
OPEN BRANCH FROM BUS 244207 TO BUS 242762 CKT 1	/ 244207 REEDYCEQ 999 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 244207 TO BUS 244210 CKT 1	/ 244207 REEDYCEQ 999 244210 REEDYCRK 69.0 1
OPEN BRANCH FROM BUS 244207 TO BUS 244209 CKT 1	/ 244207 REEDYCEQ 999 244209 REEDYCRK 34.5 1
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBNK2 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 244205 CKT Z1	/ 242739 05ORBNK2 138 244205 ORBNK1 L 12.0 Z1
OPEN BRANCH FROM BUS 242739 TO BUS 244206 CKT Z1	/ 242739 05ORBNK2 138 244206 ORBNK2 L 12.0 Z1
OPEN BRANCH FROM BUS 242798 TO BUS 244214 CKT 1	/ 242798 05SHORT 138 244214 SHORTH L 12.0 1
OPEN BRANCH FROM BUS 244210 TO BUS 244208 CKT 1	/ 244210 REEDYCRK 69.0 244208 REEDYCR 12.0 1
OPEN BRANCH FROM BUS 244209 TO BUS 244211 CKT 1	/ 244209 REEDYCRK 34.5 244211 REEDYCRZ 34.5 1
END	
CONTINGENCY '5681_B2_TOR125A_MOAB'	
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBNK2 138 1
END	
CONTINGENCY '5682_B2_TOR125B_MOAB'	
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
END	
CONTINGENCY '8060_B2_TOR125C_MOAB'	
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242798 TO BUS 244214 CKT 1	/ 242798 05SHORT 138 244214 SHORTH L 12.0 1

END	
CONTINGENCY '5684_B2_TOR126'	
OPEN BRANCH FROM BUS 242670 TO BUS 242722 CKT 1	/ 242670 05HOLST2 138 242722 05MORLAN 138 1
END	
CONTINGENCY '5444_B2_TOR127_WOMOAB'	
OPEN BRANCH FROM BUS 242675 TO BUS 242755 CKT 1	/ 242675 05HUFFMN 138 242755 05PIPERS 138 1
OPEN BRANCH FROM BUS 242683 TO BUS 242755 CKT 1	/ 242683 05J.EARL 138 242755 05PIPERS 138 1
OPEN BRANCH FROM BUS 242683 TO BUS 913030 CKT 1	/ 242683 05J.EARL 138 913030 Y1-006 TAP 138 1
OPEN BRANCH FROM BUS 242683 TO BUS 244171 CKT 1	/ 242683 05J.EARL 138 244171 J.EARLY 69.0 1
OPEN BRANCH FROM BUS 242755 TO BUS 244173 CKT 1	/ 242755 05PIPERS 138 244173 PIPERGPL 34.5 1
OPEN BRANCH FROM BUS 244182 TO BUS 244171 CKT 1	/ 244182 GALAX2 69.0 244171 J.EARLY 69.0 1
END	
CONTINGENCY '5445_B2_TOR127A_MOAB'	
OPEN BRANCH FROM BUS 242675 TO BUS 242755 CKT 1	/ 242675 05HUFFMN 138 242755 05PIPERS 138 1
END	
CONTINGENCY '5446_B2_TOR127B_MOAB'	
OPEN BRANCH FROM BUS 242683 TO BUS 242755 CKT 1	/ 242683 05J.EARL 138 242755 05PIPERS 138 1
END	
CONTINGENCY '5447_B2_TOR127C_MOAB'	
OPEN BRANCH FROM BUS 242543 TO BUS 242859 CKT 1	/ 242543 05AUSTIN 138 242859 05WYTHE2 138 1
OPEN BRANCH FROM BUS 242543 TO BUS 913030 CKT 1	/ 242543 05AUSTIN 138 913030 Y1-006 TAP 138 1
END	
CONTINGENCY '5448_B2_TOR128'	
OPEN BRANCH FROM BUS 242675 TO BUS 242684 CKT 1	/ 242675 05HUFFMN 138 242684 05J.FERR 138 1
END	
CONTINGENCY '6030_B2_TOR129'	
OPEN BRANCH FROM BUS 242536 TO BUS 242807 CKT 1	/ 242536 05AMALOY 138 242807 05SPORN 138 1
OPEN BRANCH FROM BUS 242536 TO BUS 244767 CKT 1	/ 242536 05AMALOY 138 244767 AM.ALLOY 13.8 1
END	
CONTINGENCY '6031_B2_TOR130'	
OPEN BRANCH FROM BUS 243852 TO BUS 242808 CKT 1	/ 243852 05CENT27 138 242808 05SPORNS 138 1
END	
CONTINGENCY '5449_B2_TOR131'	
OPEN BRANCH FROM BUS 242652 TO BUS 242688 CKT 1	/ 242652 05GOMING 138 242688 05JOSHUA 138 1
OPEN BRANCH FROM BUS 242652 TO BUS 242719 CKT 1	/ 242652 05GOMING 138 242719 05MONEL 138 1
OPEN BRANCH FROM BUS 242719 TO BUS 242765 CKT 1	/ 242719 05MONEL 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 242652 TO BUS 243915 CKT 1	/ 242652 05GOMING 138 243915 GOMING L 12.0 1
OPEN BRANCH FROM BUS 242719 TO BUS 243920 CKT 1	/ 242719 05MONEL 138 243920 MONEL L 12.0 1
END	
CONTINGENCY '5450_B2_TOR132'	
OPEN BRANCH FROM BUS 242688 TO BUS 242737 CKT 1	/ 242688 05JOSHUA 138 242737 05OPOSSC 138 1
END	
CONTINGENCY '6032_B2_TOR133'	
OPEN BRANCH FROM BUS 243849 TO BUS 246954 CKT 2	/ 243849 05CENTRP 138 246954 05YELLWB 138 2
OPEN BRANCH FROM BUS 242808 TO BUS 246954 CKT 2	/ 242808 05SPORNS 138 246954 05YELLWB 138 2
OPEN BRANCH FROM BUS 246954 TO BUS 246955 CKT Z1	/ 246954 05YELLWB 138 246955 YELLOWBH 34.5 Z1
END	
CONTINGENCY '5307_B2_TOR136_WOMOAB'	
OPEN BRANCH FROM BUS 242682 TO BUS 242854 CKT 1	/ 242682 05J.BRAN 138 242854 05WWLCHZ 138 1
OPEN BRANCH FROM BUS 242845 TO BUS 242854 CKT 1	/ 242845 05WELCH 138 242854 05WWLCHZ 138 1
OPEN BRANCH FROM BUS 242854 TO BUS 242855 CKT 1	/ 242854 05WWLCHZ 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242845 TO BUS 244367 CKT 1	/ 242845 05WELCH 138 244367 WELCH L 13.0 1
END	
CONTINGENCY '5308_B2_TOR136A_MOAB'	
OPEN BRANCH FROM BUS 242682 TO BUS 242854 CKT 1	/ 242682 05J.BRAN 138 242854 05WWLCHZ 138 1
END	
CONTINGENCY '5309_B2_TOR136B_MOAB'	
OPEN BRANCH FROM BUS 242854 TO BUS 242855 CKT 1	/ 242854 05WWLCHZ 138 242855 05WYOMIN 138 1
END	
CONTINGENCY '6033_B2_TOR137'	
OPEN BRANCH FROM BUS 243850 TO BUS 242808 CKT 3	/ 243850 05CENT33 138 242808 05SPORNS 138 3

END
CONTINGENCY '6034_B2_TOR138_WOMOAB'
OPEN BRANCH FROM BUS 243849 TO BUS 246948 CKT 4 / 243849 05CENTRP 138 246948 05POLYSS 138 4
OPEN BRANCH FROM BUS 246948 TO BUS 242808 CKT 4 / 246948 05POLYSS 138 242808 05SPORNS 138 4
OPEN BRANCH FROM BUS 246948 TO BUS 246949 CKT Z1 / 246948 05POLYSS 138 246949 POLYMR L 12.0 Z1
END
CONTINGENCY '7703_B2_TOR138A_MOAB'
OPEN BRANCH FROM BUS 246948 TO BUS 242808 CKT 4 / 246948 05POLYSS 138 242808 05SPORNS 138 4
END
CONTINGENCY '7704_B2_TOR138B_MOAB'
OPEN BRANCH FROM BUS 243849 TO BUS 246948 CKT 4 / 243849 05CENTRP 138 246948 05POLYSS 138 4
END
CONTINGENCY '7156_B2_TOR139'
OPEN BRANCH FROM BUS 242534 TO BUS 242689 CKT 1 / 242534 05ALLOY 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242534 TO BUS 247535 CKT Z1 / 242534 05ALLOY 138 247535 R-076 138 Z1
OPEN BRANCH FROM BUS 242534 TO BUS 244837 CKT 1 / 242534 05ALLOY 138 244837 ALLOY L 13.8 1
REMOVE UNIT 1 FROM BUS 247535 / 247535 R-076 138
END
CONTINGENCY '5451_B2_TOR140_WOMOAB'
OPEN BRANCH FROM BUS 242701 TO BUS 242802 CKT 1 / 242701 05LEESVI 138 242802 05SMITHM 138 1
REMOVE UNIT 1 FROM BUS 242701 / 242701 05LEESVI 138
END
CONTINGENCY '5452_B2_TOR140A_MOAB'
OPEN BRANCH FROM BUS 242701 TO BUS 242802 CKT 1 / 242701 05LEESVI 138 242802 05SMITHM 138 1
END
CONTINGENCY '5310_B2_TOR142_WOMOAB'
OPEN BRANCH FROM BUS 242647 TO BUS 242751 CKT 1 / 242647 05G.BRAN 138 242751 05PIGEON 138 1
OPEN BRANCH FROM BUS 242704 TO BUS 242752 CKT 1 / 242704 05LOGAN1 138 242752 05PINCKZ 138 1
OPEN BRANCH FROM BUS 242751 TO BUS 242761 CKT 1 / 242751 05PIGEON 138 242761 05RAGLDZ 138 1
OPEN BRANCH FROM BUS 242752 TO BUS 242753 CKT 1 / 242752 05PINCKZ 138 242753 05PINECK 138 1
OPEN BRANCH FROM BUS 242752 TO BUS 242761 CKT 1 / 242752 05PINCKZ 138 242761 05RAGLDZ 138 1
OPEN BRANCH FROM BUS 242761 TO BUS 242810 CKT 1 / 242761 05RAGLDZ 138 242810 05SPRIG2 138 1
OPEN BRANCH FROM BUS 242751 TO BUS 244553 CKT 1 / 242751 05PIGEON 138 244553 PIGEONC1 34.5 1
OPEN BRANCH FROM BUS 242751 TO BUS 244554 CKT 1 / 242751 05PIGEON 138 244554 PIGEONC2 34.5 1
OPEN BRANCH FROM BUS 242647 TO BUS 244549 CKT 1 / 242647 05G.BRAN 138 244549 GRANTB L 12.0 1
OPEN BRANCH FROM BUS 242753 TO BUS 244510 CKT 1 / 242753 05PINECK 138 244510 PINECR L 12.0 1
OPEN BRANCH FROM BUS 242761 TO BUS 244557 CKT 1 / 242761 05RAGLDZ 138 244557 RAGLND L 12.0 1
END
CONTINGENCY '5311_B2_TOR142A_MOAB'
OPEN BRANCH FROM BUS 242704 TO BUS 242752 CKT 1 / 242704 05LOGAN1 138 242752 05PINCKZ 138 1
OPEN BRANCH FROM BUS 242752 TO BUS 242753 CKT 1 / 242752 05PINCKZ 138 242753 05PINECK 138 1
OPEN BRANCH FROM BUS 242752 TO BUS 242761 CKT 1 / 242752 05PINCKZ 138 242761 05RAGLDZ 138 1
OPEN BRANCH FROM BUS 242753 TO BUS 244510 CKT 1 / 242753 05PINECK 138 244510 PINECR L 12.0 1
END
CONTINGENCY '5312_B2_TOR142B_MOAB'
OPEN BRANCH FROM BUS 242761 TO BUS 242810 CKT 1 / 242761 05RAGLDZ 138 242810 05SPRIG2 138 1
END
CONTINGENCY '5313_B2_TOR142C_MOAB'
OPEN BRANCH FROM BUS 242647 TO BUS 242751 CKT 1 / 242647 05G.BRAN 138 242751 05PIGEON 138 1
OPEN BRANCH FROM BUS 242751 TO BUS 242761 CKT 1 / 242751 05PIGEON 138 242761 05RAGLDZ 138 1
OPEN BRANCH FROM BUS 242751 TO BUS 244553 CKT 1 / 242751 05PIGEON 138 244553 PIGEONC1 34.5 1
OPEN BRANCH FROM BUS 242751 TO BUS 244554 CKT 1 / 242751 05PIGEON 138 244554 PIGEONC2 34.5 1
OPEN BRANCH FROM BUS 242647 TO BUS 244549 CKT 1 / 242647 05G.BRAN 138 244549 GRANTB L 12.0 1
END
CONTINGENCY '5314_B2_TOR143_WOMOAB'
OPEN BRANCH FROM BUS 244497 TO BUS 242674 CKT 1 / 244497 HUFFCREQ 999 242674 05HUFFCK 138 1
OPEN BRANCH FROM BUS 244497 TO BUS 244499 CKT 1 / 244497 HUFFCREQ 999 244499 HUFFCRK 69.0 1
OPEN BRANCH FROM BUS 244497 TO BUS 244498 CKT 1 / 244497 HUFFCREQ 999 244498 HUFFCRK 46.0 1
OPEN BRANCH FROM BUS 242674 TO BUS 242779 CKT 1 / 242674 05HUFFCK 138 242779 05RUMCKZ 138 1
OPEN BRANCH FROM BUS 242674 TO BUS 242832 CKT 1 / 242674 05HUFFCK 138 242832 05TOLER 138 1
OPEN BRANCH FROM BUS 242704 TO BUS 242779 CKT 1 / 242704 05LOGAN1 138 242779 05RUMCKZ 138 1

OPEN BRANCH FROM BUS 242778 TO BUS 242779 CKT 1	/ 242778 05RUM CK 138 242779 05RUMCKZ 138 1
OPEN BRANCH FROM BUS 242832 TO BUS 242855 CKT 1	/ 242832 05TOLER 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242832 TO BUS 244524 CKT Z1	/ 242832 05TOLER 138 244524 TOLER L 13.2 Z1
OPEN BRANCH FROM BUS 242778 TO BUS 244514 CKT 1	/ 242778 05RUM CK 138 244514 RUM CR L 12.0 1
OPEN BRANCH FROM BUS 244525 TO BUS 244499 CKT 1	/ 244525 ARCHCOAL 69.0 244499 HUFFCRK 69.0 1
OPEN BRANCH FROM BUS 244478 TO BUS 244498 CKT 1	/ 244478 BRAEHOLM 46.0 244498 HUFFCRK 46.0 1
OPEN BRANCH FROM BUS 244498 TO BUS 244511 CKT 1	/ 244498 HUFFCRK 46.0 244511 RICH CRK 46.0 1
OPEN BRANCH FROM BUS 244498 TO BUS 244523 CKT 1	/ 244498 HUFFCRK 46.0 244523 WYLO 46.0 1
END	
CONTINGENCY '5315_B2_TOR143A_MOAB'	
OPEN BRANCH FROM BUS 242674 TO BUS 242779 CKT 1	/ 242674 05HUFFCK 138 242779 05RUMCKZ 138 1
OPEN BRANCH FROM BUS 242704 TO BUS 242779 CKT 1	/ 242704 05LOGAN1 138 242779 05RUMCKZ 138 1
OPEN BRANCH FROM BUS 242778 TO BUS 242779 CKT 1	/ 242778 05RUM CK 138 242779 05RUMCKZ 138 1
OPEN BRANCH FROM BUS 242778 TO BUS 244514 CKT 1	/ 242778 05RUM CK 138 244514 RUM CR L 12.0 1
END	
CONTINGENCY '5316_B2_TOR143B_MOAB'	
OPEN BRANCH FROM BUS 242674 TO BUS 242832 CKT 1	/ 242674 05HUFFCK 138 242832 05TOLER 138 1
OPEN BRANCH FROM BUS 242832 TO BUS 242855 CKT 1	/ 242832 05TOLER 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242832 TO BUS 244524 CKT Z1	/ 242832 05TOLER 138 244524 TOLER L 13.2 Z1
END	
CONTINGENCY '5317_B2_TOR144'	
OPEN BRANCH FROM BUS 242705 TO BUS 242855 CKT 1	/ 242705 05LOGAN2 138 242855 05WYOMIN 138 1
END	
CONTINGENCY '7403_B2_TOR147_WOMOAB'	
OPEN BRANCH FROM BUS 242718 TO BUS 242733 CKT 1	/ 242718 05MINNXM 138 242733 05NEWHOP 138 1
OPEN BRANCH FROM BUS 242718 TO BUS 242822 CKT 1	/ 242718 05MINNXM 138 242822 05SWITCH 138 1
OPEN BRANCH FROM BUS 242733 TO BUS 242786 CKT 1	/ 242733 05NEWHOP 138 242786 05S.PRI1 138 1
OPEN BRANCH FROM BUS 242718 TO BUS 244357 CKT 1	/ 242718 05MINNXM 138 244357 MINNXM L 34.5 1
OPEN BRANCH FROM BUS 242733 TO BUS 244335 CKT Z1	/ 242733 05NEWHOP 138 244335 NEWHP L2 34.5 Z1
OPEN BRANCH FROM BUS 242733 TO BUS 244358 CKT 1	/ 242733 05NEWHOP 138 244358 NEWHPE L 12.0 1
END	
CONTINGENCY '5319_B2_TOR147A_MOAB'	
OPEN BRANCH FROM BUS 242733 TO BUS 242786 CKT 1	/ 242733 05NEWHOP 138 242786 05S.PRI1 138 1
END	
CONTINGENCY '5320_B2_TOR147B_MOAB'	
OPEN BRANCH FROM BUS 242718 TO BUS 242733 CKT 1	/ 242718 05MINNXM 138 242733 05NEWHOP 138 1
OPEN BRANCH FROM BUS 242718 TO BUS 242822 CKT 1	/ 242718 05MINNXM 138 242822 05SWITCH 138 1
OPEN BRANCH FROM BUS 242718 TO BUS 244357 CKT 1	/ 242718 05MINNXM 138 244357 MINNXM L 34.5 1
END	
CONTINGENCY '6035_B2_TOR149'	
OPEN BRANCH FROM BUS 242835 TO BUS 242842 CKT 1	/ 242835 05TRISTA 138 242842 05W HUNT 138 1
END	
CONTINGENCY '6036_B2_TOR150'	
OPEN BRANCH FROM BUS 242579 TO BUS 242836 CKT Z1	/ 242579 05CARBMA 138 242836 05TURN1 138 Z1
OPEN BRANCH FROM BUS 242579 TO BUS 244779 CKT 1	/ 242579 05CARBMA 138 244779 CARBMN L 13.8 1
END	
CONTINGENCY '5454_B2_TOR152'	
OPEN BRANCH FROM BUS 243923 TO BUS 242723 CKT 1	/ 243923 MOSELYEQ 999 242723 05MOSEL1 138 1
OPEN BRANCH FROM BUS 242723 TO BUS 242774 CKT 1	/ 242723 05MOSEL1 138 242774 05ROANO2 138 1
END	
CONTINGENCY '5455_B2_TOR153_WOMOAB'	
OPEN BRANCH FROM BUS 242552 TO BUS 242601 CKT 1	/ 242552 05BENT M 138 242601 05CLEARB 138 1
OPEN BRANCH FROM BUS 242552 TO BUS 242708 CKT 1	/ 242552 05BENT M 138 242708 05M FUNK 138 1
OPEN BRANCH FROM BUS 242601 TO BUS 242774 CKT 1	/ 242601 05CLEARB 138 242774 05ROANO2 138 1
OPEN BRANCH FROM BUS 242552 TO BUS 244024 CKT 1	/ 242552 05BENT M 138 244024 BENTMT L 12.0 1
OPEN BRANCH FROM BUS 242601 TO BUS 244036 CKT 1	/ 242601 05CLEARB 138 244036 CLEARB L 12.0 1
END	
CONTINGENCY '5456_B2_TOR153A_MOAB'	
OPEN BRANCH FROM BUS 242601 TO BUS 242774 CKT 1	/ 242601 05CLEARB 138 242774 05ROANO2 138 1
OPEN BRANCH FROM BUS 242601 TO BUS 244036 CKT 1	/ 242601 05CLEARB 138 244036 CLEARB L 12.0 1
END	

CONTINGENCY '6815_B2_TOR153B_MOAB'	
OPEN BRANCH FROM BUS 242552 TO BUS 242601 CKT 1	/ 242552 05BENT M 138 242601 05CLEARB 138 1
END	
CONTINGENCY '5457_B2_TOR153C_MOAB'	
OPEN BRANCH FROM BUS 242552 TO BUS 242708 CKT 1	/ 242552 05BENT M 138 242708 05M FUNK 138 1
END	
CONTINGENCY '8502_B2_TOR154_WOMOAB'	
OPEN BRANCH FROM BUS 247004 TO BUS 247005 CKT Z1	/ 247004 05GUYAND 138 247005 05MACOAL 138 Z1
OPEN BRANCH FROM BUS 247004 TO BUS 242728 CKT 1	/ 247004 05GUYAND 138 242728 05MULLNV 138 1
OPEN BRANCH FROM BUS 247004 TO BUS 242855 CKT 1	/ 247004 05GUYAND 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242680 TO BUS 242727 CKT 1	/ 242680 05ITMANN 138 242727 05MULLEN 138 1
OPEN BRANCH FROM BUS 242680 TO BUS 242754 CKT 1	/ 242680 05ITMANN 138 242754 05PINNAC 138 1
OPEN BRANCH FROM BUS 242727 TO BUS 247113 CKT 1	/ 242727 05MULLEN 138 247113 05PIERSS 138 1
OPEN BRANCH FROM BUS 242728 TO BUS 242754 CKT 1	/ 242728 05MULLNV 138 242754 05PINNAC 138 1
OPEN BRANCH FROM BUS 247113 TO BUS 242825 CKT 1	/ 247113 05PIERSS 138 242825 05TAMSM2 138 1
OPEN BRANCH FROM BUS 242727 TO BUS 244432 CKT 1	/ 242727 05MULLEN 138 244432 MULLENS 46.0 1
OPEN BRANCH FROM BUS 242728 TO BUS 244433 CKT 1	/ 242728 05MULLNV 138 244433 MULNSV L 46.0 1
OPEN BRANCH FROM BUS 242727 TO BUS 244431 CKT 1	/ 242727 05MULLEN 138 244431 MULLEN L 34.5 1
OPEN BRANCH FROM BUS 247113 TO BUS 247114 CKT 1	/ 247113 05PIERSS 138 247114 MABENCOA 34.5 1
OPEN BRANCH FROM BUS 242754 TO BUS 244439 CKT 1	/ 242754 05PINNAC 138 244439 PINNCL L 34.5 1
OPEN BRANCH FROM BUS 242680 TO BUS 244412 CKT 1	/ 242680 05ITMANN 138 244412 ITMANN L 13.0 1
OPEN BRANCH FROM BUS 247005 TO BUS 247006 CKT Z1	/ 247005 05MACOAL 138 247006 MACOAL L 12.0 Z1
END	
CONTINGENCY '5322_B2_TOR154A_MOAB'	
OPEN BRANCH FROM BUS 242680 TO BUS 242754 CKT 1	/ 242680 05ITMANN 138 242754 05PINNAC 138 1
END	
CONTINGENCY '5323_B2_TOR154B_MOAB'	
OPEN BRANCH FROM BUS 247004 TO BUS 247005 CKT Z1	/ 247004 05GUYAND 138 247005 05MACOAL 138 Z1
OPEN BRANCH FROM BUS 247004 TO BUS 242728 CKT 1	/ 247004 05GUYAND 138 242728 05MULLNV 138 1
OPEN BRANCH FROM BUS 247004 TO BUS 242855 CKT 1	/ 247004 05GUYAND 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242728 TO BUS 242754 CKT 1	/ 242728 05MULLNV 138 242754 05PINNAC 138 1
OPEN BRANCH FROM BUS 242728 TO BUS 244433 CKT 1	/ 242728 05MULLNV 138 244433 MULNSV L 46.0 1
OPEN BRANCH FROM BUS 247005 TO BUS 247006 CKT Z1	/ 247005 05MACOAL 138 247006 MACOAL L 12.0 Z1
END	
CONTINGENCY '8503_B2_TOR154C_MOAB'	
OPEN BRANCH FROM BUS 242680 TO BUS 242727 CKT 1	/ 242680 05ITMANN 138 242727 05MULLEN 138 1
OPEN BRANCH FROM BUS 242727 TO BUS 247113 CKT 1	/ 242727 05MULLEN 138 247113 05PIERSS 138 1
OPEN BRANCH FROM BUS 242727 TO BUS 244432 CKT 1	/ 242727 05MULLEN 138 244432 MULLENS 46.0 1
OPEN BRANCH FROM BUS 242727 TO BUS 244431 CKT 1	/ 242727 05MULLEN 138 244431 MULLEN L 34.5 1
END	
CONTINGENCY '5458_B2_TOR155'	
OPEN BRANCH FROM BUS 242544 TO BUS 242816 CKT 1	/ 242544 05AXTON 138 242816 05STOCKT 138 1
OPEN BRANCH FROM BUS 242711 TO BUS 242816 CKT 1	/ 242711 05MARTN1 138 242816 05STOCKT 138 1
OPEN BRANCH FROM BUS 242816 TO BUS 244009 CKT 1	/ 242816 05STOCKT 138 244009 STOCKT-L 34.5 1
END	
CONTINGENCY '5459_B2_TOR156_WOMOAB'	
OPEN BRANCH FROM BUS 242544 TO BUS 242712 CKT 1	/ 242544 05AXTON 138 242712 05MARTN2 138 1
OPEN BRANCH FROM BUS 242614 TO BUS 242638 CKT 1	/ 242614 05COLLIN 138 242638 05FLDAL1 138 1
OPEN BRANCH FROM BUS 242614 TO BUS 242712 CKT 1	/ 242614 05COLLIN 138 242712 05MARTN2 138 1
OPEN BRANCH FROM BUS 242712 TO BUS 243977 CKT 1	/ 242712 05MARTN2 138 243977 MART 115 34.5 1
OPEN BRANCH FROM BUS 242614 TO BUS 243951 CKT 1	/ 242614 05COLLIN 138 243951 COLNSV L 12.0 1
OPEN BRANCH FROM BUS 243977 TO BUS 243979 CKT 1	/ 243977 MART 115 34.5 243979 MART2-30 34.5 1
OPEN BRANCH FROM BUS 243977 TO BUS 243980 CKT 1	/ 243977 MART 115 34.5 243980 MORRIS-N 34.5 1
END	
CONTINGENCY '5460_B2_TOR156A_MOAB'	
OPEN BRANCH FROM BUS 242614 TO BUS 242638 CKT 1	/ 242614 05COLLIN 138 242638 05FLDAL1 138 1
OPEN BRANCH FROM BUS 242614 TO BUS 242712 CKT 1	/ 242614 05COLLIN 138 242712 05MARTN2 138 1
OPEN BRANCH FROM BUS 242614 TO BUS 243951 CKT 1	/ 242614 05COLLIN 138 243951 COLNSV L 12.0 1
END	
CONTINGENCY '5461_B2_TOR156B_MOAB'	
OPEN BRANCH FROM BUS 242544 TO BUS 242712 CKT 1	/ 242544 05AXTON 138 242712 05MARTN2 138 1


```

END
CONTINGENCY '5462_B2_TOR157'
  OPEN BRANCH FROM BUS 242544 TO BUS 242620 CKT 1      / 242544 05AXTON 138 242620 05DANVL2 138 1
END
CONTINGENCY '5463_B2_TOR158'
  OPEN BRANCH FROM BUS 242544 TO BUS 242619 CKT 2      / 242544 05AXTON 138 242619 05DANVL1 138 2
END
CONTINGENCY '5325_B2_TOR160_WOMOAB'
  OPEN BRANCH FROM BUS 244326 TO BUS 242706 CKT 1      / 244326 LOONEYEQ 999 242706 05LOONEY 138 1
  OPEN BRANCH FROM BUS 244326 TO BUS 244324 CKT 1      / 244326 LOONEYEQ 999 244324 LOONEYCR 69.0 1
  OPEN BRANCH FROM BUS 244326 TO BUS 244325 CKT 1      / 244326 LOONEYEQ 999 244325 LOONEYCR 34.5 1
  OPEN BRANCH FROM BUS 242546 TO BUS 242742 CKT 1      / 242546 05BAILS1 138 242742 05PADFOR 138 1
  OPEN BRANCH FROM BUS 242661 TO BUS 242662 CKT Z1     / 242661 05HALES1 138 242662 05HALES2 138 Z1
  OPEN BRANCH FROM BUS 242662 TO BUS 242702 CKT 1      / 242662 05HALES2 138 242702 05LEFTFK 138 1
  OPEN BRANCH FROM BUS 242662 TO BUS 242804 CKT 1      / 242662 05HALES2 138 242804 05SOURWO 138 1
  OPEN BRANCH FROM BUS 2427290 TO BUS 242742 CKT 1     / 2427290 05HARMON 138 242742 05PADFOR 138 1
  OPEN BRANCH FROM BUS 2427290 TO BUS 242804 CKT 1     / 2427290 05HARMON 138 242804 05SOURWO 138 1
  OPEN BRANCH FROM BUS 242702 TO BUS 242706 CKT 1      / 242702 05LEFTFK 138 242706 05LOONEY 138 1
  OPEN BRANCH FROM BUS 242742 TO BUS 244359 CKT 1      / 242742 05PADFOR 138 244359 PADFRK L 34.5 1
  OPEN BRANCH FROM BUS 242702 TO BUS 244287 CKT Z1     / 242702 05LEFTFK 138 244287 LEFTFORK 13.2 Z1
  OPEN BRANCH FROM BUS 242804 TO BUS 244363 CKT Z1     / 242804 05SOURWO 138 244363 SOURWD L 13.0 Z1
  OPEN BRANCH FROM BUS 2427290 TO BUS 2427291 CKT Z1  / 2427290 05HARMON 138 2427291 HARMON L 12.0 Z1
END
CONTINGENCY '5326_B2_TOR160A_MOAB'
  OPEN BRANCH FROM BUS 242546 TO BUS 242742 CKT 1      / 242546 05BAILS1 138 242742 05PADFOR 138 1
  OPEN BRANCH FROM BUS 242742 TO BUS 244359 CKT 1      / 242742 05PADFOR 138 244359 PADFRK L 34.5 1
END
CONTINGENCY '5327_B2_TOR160B_MOAB'
  OPEN BRANCH FROM BUS 242662 TO BUS 242804 CKT 1      / 242662 05HALES2 138 242804 05SOURWO 138 1
  OPEN BRANCH FROM BUS 2427290 TO BUS 242742 CKT 1     / 2427290 05HARMON 138 242742 05PADFOR 138 1
  OPEN BRANCH FROM BUS 2427290 TO BUS 242804 CKT 1     / 2427290 05HARMON 138 242804 05SOURWO 138 1
  OPEN BRANCH FROM BUS 242804 TO BUS 244363 CKT Z1     / 242804 05SOURWO 138 244363 SOURWD L 13.0 Z1
  OPEN BRANCH FROM BUS 2427290 TO BUS 2427291 CKT Z1  / 2427290 05HARMON 138 2427291 HARMON L 12.0 Z1
END
CONTINGENCY '5328_B2_TOR160C_MOAB'
  OPEN BRANCH FROM BUS 244326 TO BUS 242706 CKT 1      / 244326 LOONEYEQ 999 242706 05LOONEY 138 1
  OPEN BRANCH FROM BUS 244326 TO BUS 244324 CKT 1      / 244326 LOONEYEQ 999 244324 LOONEYCR 69.0 1
  OPEN BRANCH FROM BUS 244326 TO BUS 244325 CKT 1      / 244326 LOONEYEQ 999 244325 LOONEYCR 34.5 1
  OPEN BRANCH FROM BUS 242662 TO BUS 242702 CKT 1      / 242662 05HALES2 138 242702 05LEFTFK 138 1
  OPEN BRANCH FROM BUS 242702 TO BUS 242706 CKT 1      / 242702 05LEFTFK 138 242706 05LOONEY 138 1
  OPEN BRANCH FROM BUS 242702 TO BUS 244287 CKT Z1     / 242702 05LEFTFK 138 244287 LEFTFORK 13.2 Z1
END
CONTINGENCY '5329_B2_TOR162'
  OPEN BRANCH FROM BUS 242574 TO BUS 242689 CKT 1      / 242574 05CABINC 138 242689 05KANAWH 138 1
END
CONTINGENCY '5464_B2_TOR164'
  OPEN BRANCH FROM BUS 242590 TO BUS 242591 CKT Z1     / 242590 05CENTER 138 242591 05CENTRR 138 Z1
  OPEN BRANCH FROM BUS 242591 TO BUS 242724 CKT 1      / 242591 05CENTRR 138 242724 05MOSEL2 138 1
  OPEN BRANCH FROM BUS 242591 TO BUS 242765 CKT 1      / 242591 05CENTRR 138 242765 05REUSEN 138 1
  OPEN BRANCH FROM BUS 242724 TO BUS 243935 CKT 1      / 242724 05MOSEL2 138 243935 WHEELBR 13.8 1
END
CONTINGENCY '8497_B2_TOR166_WOMOAB'
  OPEN BRANCH FROM BUS 242727 TO BUS 247113 CKT 1      / 242727 05MULLEN 138 247113 05PIERSS 138 1
  OPEN BRANCH FROM BUS 242747 TO BUS 242818 CKT 1      / 242747 05PEMBRT 138 242818 05STOTES 138 1
  OPEN BRANCH FROM BUS 247113 TO BUS 242825 CKT 1      / 247113 05PIERSS 138 242825 05TAMSM2 138 1
  OPEN BRANCH FROM BUS 242818 TO BUS 242825 CKT 1      / 242818 05STOTES 138 242825 05TAMSM2 138 1
  OPEN BRANCH FROM BUS 242824 TO BUS 242825 CKT Z1     / 242824 05TAMSM1 138 242825 05TAMSM2 138 Z1
  OPEN BRANCH FROM BUS 247113 TO BUS 247114 CKT 1      / 247113 05PIERSS 138 247114 MABENCOA 34.5 1
  OPEN BRANCH FROM BUS 242818 TO BUS 244446 CKT 1      / 242818 05STOTES 138 244446 STOTSB L 12.0 1
END
CONTINGENCY '8500_B2_TOR166A_MOAB'

```

OPEN BRANCH FROM BUS 247113 TO BUS 242825 CKT 1 END	/ 247113 05PIERSS 138 242825 05TAMSM2 138 1
CONTINGENCY '7559_B2_TOR166B_MOAB'	
OPEN BRANCH FROM BUS 242747 TO BUS 242818 CKT 1	/ 242747 05PEMBRT 138 242818 05STOTES 138 1
OPEN BRANCH FROM BUS 242818 TO BUS 242825 CKT 1	/ 242818 05STOTES 138 242825 05TAMSM2 138 1
OPEN BRANCH FROM BUS 242818 TO BUS 244446 CKT 1 END	/ 242818 05STOTES 138 244446 STOTSB L 12.0 1
CONTINGENCY '5466_B2_TOR167A_MOAB'	
OPEN BRANCH FROM BUS 242737 TO BUS 242746 CKT 1 END	/ 242737 05OPOSSC 138 242746 05PEAKVI 138 1
CONTINGENCY '5467_B2_TOR168_WOMOAB'	
OPEN BRANCH FROM BUS 242507 TO BUS 242785 CKT 1	/ 242507 SLYNCHEQ 999 242785 05S.LYNC 138 1
OPEN BRANCH FROM BUS 242507 TO BUS 242884 CKT 1	/ 242507 SLYNCHEQ 999 242884 S.LYNCHB 69.0 1
OPEN BRANCH FROM BUS 242507 TO BUS 243802 CKT 1	/ 242507 SLYNCHEQ 999 243802 S.LYNCHB 34.5 1
OPEN BRANCH FROM BUS 242568 TO BUS 242657 CKT 1	/ 242568 05BROOKV 138 242657 05GRAVES 138 1
OPEN BRANCH FROM BUS 242568 TO BUS 242785 CKT 1	/ 242568 05BROOKV 138 242785 05S.LYNC 138 1
OPEN BRANCH FROM BUS 242657 TO BUS 242765 CKT 1	/ 242657 05GRAVES 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 242737 TO BUS 242785 CKT 1	/ 242737 05OPOSSC 138 242785 05S.LYNC 138 1
OPEN BRANCH FROM BUS 242568 TO BUS 243903 CKT 1	/ 242568 05BROOKV 138 243903 BROOKV L 12.0 1
OPEN BRANCH FROM BUS 242657 TO BUS 243916 CKT 1	/ 242657 05GRAVES 138 243916 GRAVES L 12.0 1
OPEN BRANCH FROM BUS 242785 TO BUS 243933 CKT 1	/ 242785 05S.LYNC 138 243933 SLYNCH L 12.0 Z1
OPEN BRANCH FROM BUS 242886 TO BUS 242884 CKT 1	/ 242886 05SKIMMR 69.0 242884 S.LYNCHB 69.0 1
OPEN BRANCH FROM BUS 243938 TO BUS 242884 CKT 1 END	/ 243938 GEORGE 69.0 242884 S.LYNCHB 69.0 1
CONTINGENCY '5468_B2_TOR168A_MOAB'	
OPEN BRANCH FROM BUS 242568 TO BUS 242657 CKT 1	/ 242568 05BROOKV 138 242657 05GRAVES 138 1
OPEN BRANCH FROM BUS 242657 TO BUS 242765 CKT 1	/ 242657 05GRAVES 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 242657 TO BUS 243916 CKT 1 END	/ 242657 05GRAVES 138 243916 GRAVES L 12.0 1
CONTINGENCY '5469_B2_TOR168B_MOAB'	
OPEN BRANCH FROM BUS 242568 TO BUS 242785 CKT 1 END	/ 242568 05BROOKV 138 242785 05S.LYNC 138 1
CONTINGENCY '5470_B2_TOR168C_MOAB'	
OPEN BRANCH FROM BUS 242737 TO BUS 242785 CKT 1 END	/ 242737 05OPOSSC 138 242785 05S.LYNC 138 1
CONTINGENCY '5471_B2_TOR169_WOMOAB'	
OPEN BRANCH FROM BUS 242575 TO BUS 242737 CKT 1	/ 242575 05CAMDLM 138 242737 05OPOSSC 138 1
OPEN BRANCH FROM BUS 242575 TO BUS 242781 CKT 1	/ 242575 05CAMDLM 138 242781 05RUSTBR 138 1
OPEN BRANCH FROM BUS 242575 TO BUS 242802 CKT 1	/ 242575 05CAMDLM 138 242802 05SMITHM 138 1
OPEN BRANCH FROM BUS 242575 TO BUS 243905 CKT 1 END	/ 242575 05CAMDLM 138 243905 CANDLR L 12.0 1
CONTINGENCY '5472_B2_TOR169A_MOAB'	
OPEN BRANCH FROM BUS 242575 TO BUS 242737 CKT 1	/ 242575 05CAMDLM 138 242737 05OPOSSC 138 1
OPEN BRANCH FROM BUS 242575 TO BUS 242781 CKT 1	/ 242575 05CAMDLM 138 242781 05RUSTBR 138 1
OPEN BRANCH FROM BUS 242575 TO BUS 243905 CKT 1 END	/ 242575 05CAMDLM 138 243905 CANDLR L 12.0 1
CONTINGENCY '5473_B2_TOR169B_MOAB'	
OPEN BRANCH FROM BUS 242575 TO BUS 242802 CKT 1 END	/ 242575 05CAMDLM 138 242802 05SMITHM 138 1
CONTINGENCY '5685_B2_TOR170'	
OPEN BRANCH FROM BUS 242729 TO BUS 242762 CKT 1 END	/ 242729 05NAGEL 138 242762 05REEDCR 138 1
CONTINGENCY '5686_B2_TOR171'	
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1 END	/ 242729 05NAGEL 138 242849 05W KINGP 138 1
CONTINGENCY '5689_B2_TOR173'	
OPEN BRANCH FROM BUS 242605 TO BUS 242793 CKT 1	/ 242605 05CLNCHR 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 242793 CKT 1	/ 242624 05DICKEN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242722 TO BUS 242793 CKT 1	/ 242722 05MORLAN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 244232 CKT 1 END	/ 242624 05DICKEN 138 244232 DICKEN L 12.0 1

CONTINGENCY '5690_B2_TOR175_WOMOAB'	
OPEN BRANCH FROM BUS 242505 TO BUS 242667 CKT 1	/ 242505 HILL EQ 999 242667 05HILL 138 1
OPEN BRANCH FROM BUS 242505 TO BUS 244240 CKT 1	/ 242505 HILL EQ 999 244240 HILL- 69.0 1
OPEN BRANCH FROM BUS 242505 TO BUS 244239 CKT 1	/ 242505 HILL EQ 999 244239 HILL 34.5 1
OPEN BRANCH FROM BUS 242605 TO BUS 242615 CKT 1	/ 242605 05CLNCHR 138 242615 05COPPER 138 1
OPEN BRANCH FROM BUS 242615 TO BUS 242667 CKT 1	/ 242615 05COPPER 138 242667 05HILL 138 1
OPEN BRANCH FROM BUS 242667 TO BUS 242729 CKT 1	/ 242667 05HILL 138 242729 05NAGEL 138 1
OPEN BRANCH FROM BUS 242615 TO BUS 244230 CKT 1	/ 242615 05COPPER 138 244230 COPPER L 12.0 1
OPEN BRANCH FROM BUS 242667 TO BUS 244262 CKT 1	/ 242667 05HILL 138 244262 HILL L 12.0 1
OPEN BRANCH FROM BUS 244239 TO BUS 244254 CKT 1	/ 244239 HILL 34.5 244254 SUNBRGHT 34.5 1
OPEN BRANCH FROM BUS 244239 TO BUS 244254 CKT 2	/ 244239 HILL 34.5 244254 SUNBRGHT 34.5 2
END	
CONTINGENCY '5691_B2_TOR175A_MOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 242615 CKT 1	/ 242605 05CLNCHR 138 242615 05COPPER 138 1
OPEN BRANCH FROM BUS 242615 TO BUS 242667 CKT 1	/ 242615 05COPPER 138 242667 05HILL 138 1
OPEN BRANCH FROM BUS 242615 TO BUS 244230 CKT 1	/ 242615 05COPPER 138 244230 COPPER L 12.0 1
END	
CONTINGENCY '5692_B2_TOR175B_MOAB'	
OPEN BRANCH FROM BUS 242667 TO BUS 242729 CKT 1	/ 242667 05HILL 138 242729 05NAGEL 138 1
END	
CONTINGENCY '5957_B2_TOR176_WOMOAB'	
OPEN BRANCH FROM BUS 243671 TO BUS 242645 CKT 1	/ 243671 05BEAVR1 138 242645 05FREMO2 138 1
OPEN BRANCH FROM BUS 242644 TO BUS 242645 CKT Z1	/ 242644 05FREMO1 138 242645 05FREMO2 138 Z1
OPEN BRANCH FROM BUS 242645 TO BUS 242873 CKT 2	/ 242645 05FREMO2 138 242873 FREMONT- 69.0 2
OPEN BRANCH FROM BUS 242645 TO BUS 244234 CKT 1	/ 242645 05FREMO2 138 244234 FREMNT-L 12.0 1
END	
CONTINGENCY '6804_B2_TOR176A_MOAB'	
OPEN BRANCH FROM BUS 243671 TO BUS 242645 CKT 1	/ 243671 05BEAVR1 138 242645 05FREMO2 138 1
END	
CONTINGENCY '7171_B2_TOR177C_MOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 243899 CKT 1	/ 242605 05CLNCHR 138 243899 05LOCKHA 138 1
END	
CONTINGENCY '5337_B2_TOR182_WOMOAB'	
OPEN BRANCH FROM BUS 242625 TO BUS 242726 CKT 1	/ 242625 05DINGES 138 242726 05MUDFRK 138 1
OPEN BRANCH FROM BUS 242625 TO BUS 246923 CKT 1	/ 242625 05DINGES 138 246923 05NEWSOM 138 1
OPEN BRANCH FROM BUS 243694 TO BUS 246896 CKT 1	/ 243694 05INEZ 138 246896 05WOLFSS 138 1
OPEN BRANCH FROM BUS 242704 TO BUS 242726 CKT 1	/ 242704 05LOGAN1 138 242726 05MUDFRK 138 1
OPEN BRANCH FROM BUS 243697 TO BUS 246923 CKT 1	/ 243697 05LOVELY 138 246923 05NEWSOM 138 1
OPEN BRANCH FROM BUS 243697 TO BUS 246896 CKT 1	/ 243697 05LOVELY 138 246896 05WOLFSS 138 1
OPEN BRANCH FROM BUS 242710 TO BUS 246923 CKT 1	/ 242710 05MARROB 138 246923 05NEWSOM 138 1
OPEN BRANCH FROM BUS 242625 TO BUS 244483 CKT 1	/ 242625 05DINGES 138 244483 DINGES L 34.5 1
OPEN BRANCH FROM BUS 243697 TO BUS 244571 CKT 1	/ 243697 05LOVELY 138 244571 LOVELY 34.5 1
OPEN BRANCH FROM BUS 242710 TO BUS 244508 CKT 1	/ 242710 05MARROB 138 244508 MARRBN L 12.0 1
OPEN BRANCH FROM BUS 242726 TO BUS 244540 CKT Z1	/ 242726 05MUDFRK 138 244540 MUDFORKL 12.0 Z1
END	
CONTINGENCY '5338_B2_TOR182A_MOAB'	
OPEN BRANCH FROM BUS 242625 TO BUS 242726 CKT 1	/ 242625 05DINGES 138 242726 05MUDFRK 138 1
OPEN BRANCH FROM BUS 242704 TO BUS 242726 CKT 1	/ 242704 05LOGAN1 138 242726 05MUDFRK 138 1
OPEN BRANCH FROM BUS 242726 TO BUS 244540 CKT Z1	/ 242726 05MUDFRK 138 244540 MUDFORKL 12.0 Z1
END	
CONTINGENCY '5339_B2_TOR182B_MOAB'	
OPEN BRANCH FROM BUS 242625 TO BUS 246923 CKT 1	/ 242625 05DINGES 138 246923 05NEWSOM 138 1
OPEN BRANCH FROM BUS 243697 TO BUS 246923 CKT 1	/ 243697 05LOVELY 138 246923 05NEWSOM 138 1
OPEN BRANCH FROM BUS 242710 TO BUS 246923 CKT 1	/ 242710 05MARROB 138 246923 05NEWSOM 138 1
OPEN BRANCH FROM BUS 242710 TO BUS 244508 CKT 1	/ 242710 05MARROB 138 244508 MARRBN L 12.0 1
END	
CONTINGENCY '5340_B2_TOR182C_MOAB'	
OPEN BRANCH FROM BUS 243694 TO BUS 246896 CKT 1	/ 243694 05INEZ 138 246896 05WOLFSS 138 1
OPEN BRANCH FROM BUS 243697 TO BUS 246896 CKT 1	/ 243697 05LOVELY 138 246896 05WOLFSS 138 1
END	
CONTINGENCY '5967_B2_TOR183_WOMOAB'	

OPEN BRANCH FROM BUS 243807 TO BUS 243690 CKT 1	/ 243807 HATFLDEQ 999 243690 05HATFLD 138 1
OPEN BRANCH FROM BUS 243807 TO BUS 244582 CKT 1	/ 243807 HATFLDEQ 999 244582 HATFLD 69.0 1
OPEN BRANCH FROM BUS 243807 TO BUS 244583 CKT 1	/ 243807 HATFLDEQ 999 244583 HATFLD 46.0 1
OPEN BRANCH FROM BUS 242562 TO BUS 242599 CKT 1	/ 242562 05BORLND 138 242599 05CINDER 138 1
OPEN BRANCH FROM BUS 242562 TO BUS 243690 CKT 1	/ 242562 05BORLND 138 243690 05HATFLD 138 1
OPEN BRANCH FROM BUS 242599 TO BUS 242810 CKT 1	/ 242599 05CINDER 138 242810 05SPRIG2 138 1
OPEN BRANCH FROM BUS 243690 TO BUS 243694 CKT 1	/ 243690 05HATFLD 138 243694 05INEZ 138 1
OPEN BRANCH FROM BUS 242599 TO BUS 244566 CKT Z1	/ 242599 05CINDER 138 244566 CINDER L 34.5 Z1
OPEN BRANCH FROM BUS 242562 TO BUS 244547 CKT 1	/ 242562 05BORLND 138 244547 BRDLND L 12.0 1
END	
CONTINGENCY '5968_B2_TOR183A_MOAB'	
OPEN BRANCH FROM BUS 243690 TO BUS 243694 CKT 1	/ 243690 05HATFLD 138 243694 05INEZ 138 1
END	
CONTINGENCY '5969_B2_TOR183B_MOAB'	
OPEN BRANCH FROM BUS 243807 TO BUS 243690 CKT 1	/ 243807 HATFLDEQ 999 243690 05HATFLD 138 1
OPEN BRANCH FROM BUS 243807 TO BUS 244582 CKT 1	/ 243807 HATFLDEQ 999 244582 HATFLD 69.0 1
OPEN BRANCH FROM BUS 243807 TO BUS 244583 CKT 1	/ 243807 HATFLDEQ 999 244583 HATFLD 46.0 1
OPEN BRANCH FROM BUS 242562 TO BUS 243690 CKT 1	/ 242562 05BORLND 138 243690 05HATFLD 138 1
END	
CONTINGENCY '5970_B2_TOR183C_MOAB'	
OPEN BRANCH FROM BUS 242562 TO BUS 242599 CKT 1	/ 242562 05BORLND 138 242599 05CINDER 138 1
OPEN BRANCH FROM BUS 242599 TO BUS 242810 CKT 1	/ 242599 05CINDER 138 242810 05SPRIG2 138 1
OPEN BRANCH FROM BUS 242599 TO BUS 244566 CKT Z1	/ 242599 05CINDER 138 244566 CINDER L 34.5 Z1
END	
CONTINGENCY '5873_B2_TOR184'	
OPEN BRANCH FROM BUS 242540 TO BUS 243095 CKT 1	/ 242540 05APPLE1 138 243095 05SCTWN8 138 1
OPEN BRANCH FROM BUS 243003 TO BUS 243088 CKT 1	/ 243003 05FAYET8 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 243003 TO BUS 243095 CKT 1	/ 243003 05FAYET8 138 243095 05SCTWN8 138 1
OPEN BRANCH FROM BUS 243088 TO BUS 244967 CKT Z1	/ 243088 05S POIN 138 244967 SPOINT L 34.5 Z1
OPEN BRANCH FROM BUS 243003 TO BUS 244971 CKT Z1	/ 243003 05FAYET8 138 244971 FAYETT8L 12.0 Z1
OPEN BRANCH FROM BUS 243095 TO BUS 244972 CKT Z1	/ 243095 05SCTWN8 138 244972 SCOTTWN8 12.0 Z1
END	
CONTINGENCY '5874_B2_TOR185_WOMOAB'	
OPEN BRANCH FROM BUS 242622 TO BUS 242999 CKT 1	/ 242622 05DARRH2 138 242999 05EPROCT 138 1
OPEN BRANCH FROM BUS 242999 TO BUS 243064 CKT 1	/ 242999 05EPROCT 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 242999 TO BUS 244957 CKT 1	/ 242999 05EPROCT 138 244957 E.PROC L 34.5 1
END	
CONTINGENCY '5875_B2_TOR185A_MOAB'	
OPEN BRANCH FROM BUS 242999 TO BUS 243064 CKT 1	/ 242999 05EPROCT 138 243064 05NPROCT 138 1
END	
CONTINGENCY '5876_B2_TOR185B_MOAB'	
OPEN BRANCH FROM BUS 242622 TO BUS 242999 CKT 1	/ 242622 05DARRH2 138 242999 05EPROCT 138 1
END	
CONTINGENCY '5877_B2_TOR186'	
OPEN BRANCH FROM BUS 244708 TO BUS 242626 CKT 1	/ 244708 E.HUNTEQ 999 242626 05E HUNT 138 1
OPEN BRANCH FROM BUS 244708 TO BUS 244709 CKT 1	/ 244708 E.HUNTEQ 999 244709 E.HUNTGT 69.0 1
OPEN BRANCH FROM BUS 244708 TO BUS 244705 CKT 1	/ 244708 E.HUNTEQ 999 244705 E HUNTGT 34.5 1
OPEN BRANCH FROM BUS 242626 TO BUS 243064 CKT 1	/ 242626 05E HUNT 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 243064 TO BUS 243088 CKT 1	/ 243064 05NPROCT 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 242626 TO BUS 244706 CKT 1	/ 242626 05E HUNT 138 244706 E.HUNT F 34.5 1
OPEN BRANCH FROM BUS 242626 TO BUS 244707 CKT 1	/ 242626 05E HUNT 138 244707 E.HUNT L 34.5 1
OPEN BRANCH FROM BUS 244695 TO BUS 244706 CKT 1	/ 244695 CONNOR F 34.5 244706 E.HUNT F 34.5 1
END	
CONTINGENCY '5878_B2_TOR187_WOMOAB'	
OPEN BRANCH FROM BUS 243013 TO BUS 242698 CKT 1	/ 243013 05GAVIN1 138 242698 05LAKIN 138 1
OPEN BRANCH FROM BUS 242698 TO BUS 242807 CKT 1	/ 242698 05LAKIN 138 242807 05SPORN 138 1
OPEN BRANCH FROM BUS 242698 TO BUS 244756 CKT 1	/ 242698 05LAKIN 138 244756 LAKIN 69.0 1
OPEN BRANCH FROM BUS 242698 TO BUS 244755 CKT Z1	/ 242698 05LAKIN 138 244755 LAKIN L 12.0 Z1
OPEN BRANCH FROM BUS 244756 TO BUS 244759 CKT 1	/ 244756 LAKIN 69.0 244759 LOCK LAN 69.0 1
OPEN BRANCH FROM BUS 244756 TO BUS 244761 CKT 1	/ 244756 LAKIN 69.0 244761 RACINE 69.0 1
END	

CONTINGENCY '5879_B2_TOR187A_MOAB'	
OPEN BRANCH FROM BUS 243013 TO BUS 242698 CKT 1	/ 243013 05GAVIN1 138 242698 05LAKIN 138 1
END	
CONTINGENCY '5880_B2_TOR187B_MOAB'	
OPEN BRANCH FROM BUS 242698 TO BUS 242807 CKT 1	/ 242698 05LAKIN 138 242807 05SPORN 138 1
END	
CONTINGENCY '5881_B2_TOR188'	
OPEN BRANCH FROM BUS 243013 TO BUS 242807 CKT 1	/ 243013 05GAVIN1 138 242807 05SPORN 138 1
END	
CONTINGENCY '5882_B2_TOR193'	
OPEN BRANCH FROM BUS 242910 TO BUS 243021 CKT 1	/ 242910 HNGROCEQ 999 243021 05HNG RK 138 1
OPEN BRANCH FROM BUS 242910 TO BUS 244959 CKT 1	/ 242910 HNGROCEQ 999 244959 HANGROCK 69.0 1
OPEN BRANCH FROM BUS 242910 TO BUS 244958 CKT 1	/ 242910 HNGROCEQ 999 244958 HANGROCK 34.5 1
OPEN BRANCH FROM BUS 243675 TO BUS 243022 CKT 1	/ 243675 05BELLF1 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 242992 TO BUS 243022 CKT 1	/ 242992 05E WHEE 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 243021 TO BUS 243022 CKT 1	/ 243021 05HNG RK 138 243022 05HNGRKZ 138 1
END	
CONTINGENCY '5972_B2_TOR194'	
OPEN BRANCH FROM BUS 243675 TO BUS 243064 CKT 1	/ 243675 05BELLF1 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 243675 TO BUS 243762 CKT 1	/ 243675 05BELLF1 138 243762 BELLEFNT 34.5 1
END	
CONTINGENCY '6156_B2_TOR543'	
OPEN BRANCH FROM BUS 242924 TO BUS 242927 CKT 1	/ 242924 05HANG R 765 242927 05MARQUI 765 1
OPEN BRANCH FROM BUS 242927 TO BUS 242938 CKT 1	/ 242927 05MARQUI 765 242938 05MARQUI 345 1
END	
CONTINGENCY '41_B2_TOR544'	
OPEN BRANCH FROM BUS 242925 TO BUS 242930 CKT 1	/ 242925 05KAMMER 765 242930 05SCANTO 765 1
OPEN BRANCH FROM BUS 242930 TO BUS 242943 CKT 3	/ 242930 05SCANTO 765 242943 05SCANTO 345 3
END	
CONTINGENCY '709_B2_TOR546'	
OPEN BRANCH FROM BUS 242924 TO BUS 243208 CKT 1	/ 242924 05HANG R 765 243208 05JEFRSO 765 1
END	
CONTINGENCY '729_B2_TOR550'	
OPEN BRANCH FROM BUS 243458 TO BUS 242949 CKT 1	/ 243458 05HYATT 345 242949 05WMILLP 345 1
END	
CONTINGENCY '8650_B2_TOR554A'	
OPEN BRANCH FROM BUS 242942 TO BUS 247606 CKT 1	/ 242942 05SBERWI 345 247606 W3-005 TAP 345 1
END	
CONTINGENCY '6153_B2_TOR556B'	
OPEN BRANCH FROM BUS 242940 TO BUS 242941 CKT 1	/ 242940 05MUSKNG 345 242941 05OHIOCT 345 1
END	
CONTINGENCY '713_B2_TOR569'	
OPEN BRANCH FROM BUS 243453 TO BUS 243454 CKT 1	/ 243453 05BEATTY 345 243454 05BIXBY 345 1
END	
CONTINGENCY '714_B2_TOR570'	
OPEN BRANCH FROM BUS 243453 TO BUS 243457 CKT 1	/ 243453 05BEATTY 345 243457 05HAYDEN 345 1
END	
CONTINGENCY '721_B2_TOR572'	
OPEN BRANCH FROM BUS 243455 TO BUS 243456 CKT 1	/ 243455 05CONES 345 243456 05CORRID 345 1
END	
CONTINGENCY '727_B2_TOR573'	
OPEN BRANCH FROM BUS 243457 TO BUS 243458 CKT 1	/ 243457 05HAYDEN 345 243458 05HYATT 345 1
END	
CONTINGENCY '6227_B2_TOR574'	
OPEN BRANCH FROM BUS 243457 TO BUS 243460 CKT 2	/ 243457 05HAYDEN 345 243460 05ROBRT2 345 2
END	
CONTINGENCY '722_B2_TOR576'	
OPEN BRANCH FROM BUS 243455 TO BUS 243458 CKT 1	/ 243455 05CONES 345 243458 05HYATT 345 1
END	
CONTINGENCY '8420_B2_TOR577'	
OPEN BRANCH FROM BUS 243454 TO BUS 242941 CKT 1	/ 243454 05BIXBY 345 242941 05OHIOCT 345 1

END	
CONTINGENCY '8424_B2_TOR577'	
OPEN BRANCH FROM BUS 243455 TO BUS 242941 CKT 1	/ 243455 05CONES 345 242941 05OHIOCT 345 1
END	
CONTINGENCY '1270_B2_TOR578'	
OPEN BRANCH FROM BUS 242932 TO BUS 242946 CKT 1	/ 242932 05CANTNC 345 242946 05TIDD 345 1
END	
CONTINGENCY '720_B2_TOR580'	
OPEN BRANCH FROM BUS 242932 TO BUS 242943 CKT 1	/ 242932 05CANTNC 345 242943 05SCANTO 345 1
END	
CONTINGENCY '724_B2_TOR581_WOMOP'	
OPEN BRANCH FROM BUS 242935 TO BUS 242936 CKT 1	/ 242935 05E LIMA 345 242936 05FOSTOR 345 1
END	
CONTINGENCY '726_B2_TOR582'	
OPEN BRANCH FROM BUS 242935 TO BUS 242945 CKT 1	/ 242935 05E LIMA 345 242945 05SW LIM 345 1
END	
CONTINGENCY '728_B2_TOR584'	
OPEN BRANCH FROM BUS 243458 TO BUS 242939 CKT 1	/ 243458 05HYATT 345 242939 05MARYSV 345 1
END	
CONTINGENCY '731_B2_TOR586'	
OPEN BRANCH FROM BUS 242937 TO BUS 242940 CKT 1	/ 242937 05KAMMER 345 242940 05MUSKNG 345 1
END	
CONTINGENCY '53_B2_TOR587A'	
OPEN BRANCH FROM BUS 242937 TO BUS 242948 CKT 1	/ 242937 05KAMMER 345 242948 05WBELLA 345 1
END	
CONTINGENCY '8319_B2_TOR587B'	
OPEN BRANCH FROM BUS 242946 TO BUS 242948 CKT 1	/ 242946 05TIDD 345 242948 05WBELLA 345 1
END	
CONTINGENCY '1274_B2_TOR589'	
OPEN BRANCH FROM BUS 242940 TO BUS 242949 CKT 1	/ 242940 05MUSKNG 345 242949 05WMILLP 345 1
END	
CONTINGENCY '730_B2_TOR590'	
OPEN BRANCH FROM BUS 242940 TO BUS 242949 CKT 2	/ 242940 05MUSKNG 345 242949 05WMILLP 345 2
END	
CONTINGENCY '5754_B2_TOR593'	
OPEN BRANCH FROM BUS 243473 TO BUS 243552 CKT 1	/ 243473 05BIXBY 138 243552 05PICKR8 138 1
OPEN BRANCH FROM BUS 243552 TO BUS 243149 CKT 1	/ 243552 05PICKR8 138 243149 05WLNC8 138 1
OPEN BRANCH FROM BUS 243552 TO BUS 246881 CKT 1	/ 243552 05PICKR8 138 246881 PICK RD8 69.0 1
END	
CONTINGENCY '5940_B2_TOR596'	
OPEN BRANCH FROM BUS 242987 TO BUS 243503 CKT 1	/ 242987 05DEXTER 138 243503 05ELIOTZ 138 1
OPEN BRANCH FROM BUS 243503 TO BUS 243506 CKT 1	/ 243503 05ELIOTZ 138 243506 05ELLIOT 138 1
OPEN BRANCH FROM BUS 243503 TO BUS 243555 CKT 1	/ 243503 05ELIOTZ 138 243555 05POSTON 138 1
END	
CONTINGENCY '5888_B2_TOR597_WOMOAB'	
OPEN BRANCH FROM BUS 243465 TO BUS 243561 CKT 1	/ 243465 05ADDISO 138 243561 05RODNEY 138 1
OPEN BRANCH FROM BUS 243534 TO BUS 243559 CKT 1	/ 243534 05LICK 138 243559 05RIO Z 138 1
OPEN BRANCH FROM BUS 243558 TO BUS 243559 CKT 1	/ 243558 05RIO 138 243559 05RIO Z 138 1
OPEN BRANCH FROM BUS 243558 TO BUS 243561 CKT 1	/ 243558 05RIO 138 243561 05RODNEY 138 1
OPEN BRANCH FROM BUS 243559 TO BUS 242807 CKT 1	/ 243559 05RIO Z 138 242807 05SPORN 138 1
OPEN BRANCH FROM BUS 243465 TO BUS 243595 CKT 1	/ 243465 05ADDISO 138 243595 ADDISON 69.0 1
OPEN BRANCH FROM BUS 243558 TO BUS 246745 CKT 1	/ 243558 05RIO 138 246745 RIO L 13.2 1
OPEN BRANCH FROM BUS 243561 TO BUS 246778 CKT 1	/ 243561 05RODNEY 138 246778 RODNEY L 12.5 1
END	
CONTINGENCY '5889_B2_TOR597A_MOAB'	
OPEN BRANCH FROM BUS 243534 TO BUS 243559 CKT 1	/ 243534 05LICK 138 243559 05RIO Z 138 1
OPEN BRANCH FROM BUS 243558 TO BUS 243559 CKT 1	/ 243558 05RIO 138 243559 05RIO Z 138 1
OPEN BRANCH FROM BUS 243559 TO BUS 242807 CKT 1	/ 243559 05RIO Z 138 242807 05SPORN 138 1
END	
CONTINGENCY '5890_B2_TOR597B_MOAB'	
OPEN BRANCH FROM BUS 243465 TO BUS 243561 CKT 1	/ 243465 05ADDISO 138 243561 05RODNEY 138 1

OPEN BRANCH FROM BUS 243558 TO BUS 243561 CKT 1	/ 243558 05RIO 138 243561 05RODNEY 138 1
OPEN BRANCH FROM BUS 243465 TO BUS 243595 CKT 1	/ 243465 05ADDISO 138 243595 ADDISON 69.0 1
OPEN BRANCH FROM BUS 243561 TO BUS 246778 CKT 1	/ 243561 05RODNEY 138 246778 RODNEY L 12.5 1
END	
CONTINGENCY '5708_B2_TOR598A'	
OPEN BRANCH FROM BUS 243532 TO BUS 243146 CKT 1	/ 243532 05KIRK 138 243146 05WHEBRO 138 1
END	
CONTINGENCY '5709_B2_TOR598B_MOAB'	
OPEN BRANCH FROM BUS 243043 TO BUS 243146 CKT 1	/ 243043 05MILLSP 138 243146 05WHEBRO 138 1
OPEN BRANCH FROM BUS 243043 TO BUS 243150 CKT 1	/ 243043 05MILLSP 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243043 TO BUS 245511 CKT Z1	/ 243043 05MILLSP 138 245511 MILSPT L 12.0 Z1
END	
CONTINGENCY '5707_B2_TOR598B_WOMOAB'	
OPEN BRANCH FROM BUS 243043 TO BUS 243146 CKT 1	/ 243043 05MILLSP 138 243146 05WHEBRO 138 1
OPEN BRANCH FROM BUS 243043 TO BUS 243150 CKT 1	/ 243043 05MILLSP 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243818 TO BUS 243150 CKT 1	/ 243818 05NFAIRF 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243818 TO BUS 245516 CKT Z1	/ 243818 05NFAIRF 138 245516 NFAIRFD8 69.0 Z1
OPEN BRANCH FROM BUS 243043 TO BUS 245511 CKT Z1	/ 243043 05MILLSP 138 245511 MILSPT L 12.0 Z1
END	
CONTINGENCY '5490_B2_TOR604A_MOAB'	
OPEN BRANCH FROM BUS 243275 TO BUS 243344 CKT 1	/ 243275 05DELAWR 138 243344 05MODOC 138 1
END	
CONTINGENCY '5122_B2_TOR609'	
OPEN BRANCH FROM BUS 243024 TO BUS 243100 CKT 1	/ 243024 05HOWARD 138 243100 05SHELGH 138 1
END	
CONTINGENCY '5755_B2_TOR619'	
OPEN BRANCH FROM BUS 243484 TO BUS 243584 CKT 1	/ 243484 05CITYCO 138 243584 05VINE 138 1
END	
CONTINGENCY '5756_B2_TOR620'	
OPEN BRANCH FROM BUS 243471 TO BUS 243560 CKT 2	/ 243471 05BETHEL 138 243560 05ROBERT 138 2
END	
CONTINGENCY '5757_B2_TOR621'	
OPEN BRANCH FROM BUS 243529 TO BUS 243560 CKT 1	/ 243529 05KENNY 138 243560 05ROBERT 138 1
END	
CONTINGENCY '5758_B2_TOR623'	
OPEN BRANCH FROM BUS 243471 TO BUS 243535 CKT 1	/ 243471 05BETHEL 138 243535 05LINWRT 138 1
END	
CONTINGENCY '5759_B2_TOR624'	
OPEN BRANCH FROM BUS 243472 TO BUS 243575 CKT 1	/ 243472 05BEXLEY 138 243575 05ST.CLR 138 1
END	
CONTINGENCY '5760_B2_TOR625'	
OPEN BRANCH FROM BUS 243473 TO BUS 243536 CKT 1	/ 243473 05BIXBY 138 243536 05LS-II 138 1
END	
CONTINGENCY '8155_B2_TOR627'	
OPEN BRANCH FROM BUS 243570 TO BUS 243497 CKT 1	/ 243570 05CLAYBN 138 243497 05DELANO 138 1
OPEN BRANCH FROM BUS 243570 TO BUS 247021 CKT 1	/ 243570 05CLAYBN 138 247021 05KENWO1 138 1
OPEN BRANCH FROM BUS 243570 TO BUS 243562 CKT 1	/ 243570 05CLAYBN 138 243562 05ROSS 138 1
OPEN BRANCH FROM BUS 247021 TO BUS 246798 CKT Z1	/ 247021 05KENWO1 138 246798 KENWORT1 12.0 Z1
END	
CONTINGENCY '5894_B2_TOR628'	
OPEN BRANCH FROM BUS 243483 TO BUS 243522 CKT 1	/ 243483 05CRCLVS 138 243522 05HARRIS 138 1
END	
CONTINGENCY '5761_B2_TOR629'	
OPEN BRANCH FROM BUS 243536 TO BUS 243539 CKT 1	/ 243536 05LS-II 138 243539 05MARION 138 1
END	
CONTINGENCY '5762_B2_TOR630'	
OPEN BRANCH FROM BUS 243481 TO BUS 243539 CKT 1	/ 243481 05CANAL 138 243539 05MARION 138 1
END	
CONTINGENCY '5763_B2_TOR631'	
OPEN BRANCH FROM BUS 243485 TO BUS 243576 CKT 1	/ 243485 05CLINTO 138 243576 05ST.CLX 138 1
OPEN BRANCH FROM BUS 243575 TO BUS 243576 CKT SR	/ 243575 05ST.CLR 138 243576 05ST.CLX 138 SR

END	
CONTINGENCY '5764_B2_TOR632'	
OPEN BRANCH FROM BUS 243522 TO BUS 243550 CKT 1	/ 243522 05HARRIS 138 243550 05OBETZ 138 1
OPEN BRANCH FROM BUS 243539 TO BUS 243550 CKT 1	/ 243539 05MARION 138 243550 05OBETZ 138 1
OPEN BRANCH FROM BUS 243550 TO BUS 246885 CKT Z1	/ 243550 05OBETZ 138 246885 OBETZ8 12.0 Z1
END	
CONTINGENCY '5768_B2_TOR634_WOMOAB'	
OPEN BRANCH FROM BUS 247067 TO BUS 243522 CKT 1	/ 247067 05GOODHP 138 243522 05HARRIS 138 1
OPEN BRANCH FROM BUS 247067 TO BUS 243555 CKT 1	/ 247067 05GOODHP 138 243555 05POSTON 138 1
OPEN BRANCH FROM BUS 247067 TO BUS 247100 CKT Z1	/ 247067 05GOODHP 138 247100 GOODHP L 13.0 Z1
END	
CONTINGENCY '8317_B2_TOR634A_MOAB'	
OPEN BRANCH FROM BUS 247067 TO BUS 243522 CKT 1	/ 247067 05GOODHP 138 243522 05HARRIS 138 1
END	
CONTINGENCY '8318_B2_TOR634B_MOAB'	
OPEN BRANCH FROM BUS 247067 TO BUS 243555 CKT 1	/ 247067 05GOODHP 138 243555 05POSTON 138 1
END	
CONTINGENCY '5895_B2_TOR637'	
OPEN BRANCH FROM BUS 243483 TO BUS 243569 CKT 1	/ 243483 05CRCLVS 138 243569 05SCIPPO 138 1
END	
CONTINGENCY '5769_B2_TOR639_WOMOAB'	
OPEN BRANCH FROM BUS 243513 TO BUS 243591 CKT 1	/ 243513 05GENOA 138 243591 05SPRNGR 138 1
OPEN BRANCH FROM BUS 243528 TO BUS 243546 CKT 1	/ 243528 05KARL 138 243546 05MK TAP 138 1
OPEN BRANCH FROM BUS 243546 TO BUS 243547 CKT 1	/ 243546 05MK TAP 138 243547 05MORSE 138 1
OPEN BRANCH FROM BUS 243546 TO BUS 243591 CKT 1	/ 243546 05MK TAP 138 243591 05SPRNGR 138 1
OPEN BRANCH FROM BUS 243591 TO BUS 246623 CKT 1	/ 243591 05SPRNGR 138 246623 CITY-WES 13.8 1
END	
CONTINGENCY '5770_B2_TOR639A_MOAB'	
OPEN BRANCH FROM BUS 243513 TO BUS 243591 CKT 1	/ 243513 05GENOA 138 243591 05SPRNGR 138 1
END	
CONTINGENCY '5771_B2_TOR639B_MOAB'	
OPEN BRANCH FROM BUS 243528 TO BUS 243546 CKT 1	/ 243528 05KARL 138 243546 05MK TAP 138 1
OPEN BRANCH FROM BUS 243546 TO BUS 243547 CKT 1	/ 243546 05MK TAP 138 243547 05MORSE 138 1
OPEN BRANCH FROM BUS 243546 TO BUS 243591 CKT 1	/ 243546 05MK TAP 138 243591 05SPRNGR 138 1
END	
CONTINGENCY '5772_B2_TOR640'	
OPEN BRANCH FROM BUS 243524 TO BUS 243551 CKT 1	/ 243524 05HESS 138 243551 05OSU 138 1
END	
CONTINGENCY '5773_B2_TOR641'	
OPEN BRANCH FROM BUS 243507 TO BUS 243524 CKT 1	/ 243507 05FIFTH 138 243524 05HESS 138 1
OPEN BRANCH FROM BUS 243507 TO BUS 243588 CKT 1	/ 243507 05FIFTH 138 243588 05WILSON 138 1
OPEN BRANCH FROM BUS 243507 TO BUS 246655 CKT 1	/ 243507 05FIFTH 138 246655 FIFTH L 13.8 1
END	
CONTINGENCY '5774_B2_TOR642'	
OPEN BRANCH FROM BUS 243473 TO BUS 243480 CKT 1	/ 243473 05BIXBY 138 243480 05BUCKEY 138 1
END	
CONTINGENCY '5775_B2_TOR643'	
OPEN BRANCH FROM BUS 243511 TO BUS 243584 CKT 1	/ 243511 05GAY 138 243584 05VINE 138 1
END	
CONTINGENCY '5776_B2_TOR645'	
OPEN BRANCH FROM BUS 243526 TO BUS 243566 CKT 1	/ 243526 05HYATT 138 243566 05SAWMIL 138 1
END	
CONTINGENCY '5777_B2_TOR647_WOMOAB'	
OPEN BRANCH FROM BUS 243491 TO BUS 243547 CKT 1	/ 243491 05CORRID 138 243547 05MORSE 138 1
OPEN BRANCH FROM BUS 243491 TO BUS 246644 CKT 1	/ 243491 05CORRID 138 246644 CORRIDR 34.5 1
END	
CONTINGENCY '5778_B2_TOR647A_MOAB'	
OPEN BRANCH FROM BUS 243491 TO BUS 243547 CKT 1	/ 243491 05CORRID 138 243547 05MORSE 138 1
END	
CONTINGENCY '5779_B2_TOR648_WOMOAB'	
OPEN BRANCH FROM BUS 243502 TO BUS 243581 CKT 1	/ 243502 05E.BROA 138 243581 05TAYLOR 138 1

OPEN BRANCH FROM BUS 243532 TO BUS 243581 CKT 1	/ 243532 05KIRK 138 243581 05TAYLOR 138 1
OPEN BRANCH FROM BUS 243581 TO BUS 246721 CKT 1	/ 243581 05TAYLOR 138 246721 TAYLOR L 34.5 1
END	
CONTINGENCY '5780_B2_TOR648A_MOAB'	
OPEN BRANCH FROM BUS 243502 TO BUS 243581 CKT 1	/ 243502 05E.BROA 138 243581 05TAYLOR 138 1
END	
CONTINGENCY '5781_B2_TOR648B_MOAB'	
OPEN BRANCH FROM BUS 243532 TO BUS 243581 CKT 1	/ 243532 05KIRK 138 243581 05TAYLOR 138 1
END	
CONTINGENCY '5782_B2_TOR649'	
OPEN BRANCH FROM BUS 243467 TO BUS 243532 CKT 1	/ 243467 05AT&TEBROAD 138 243532 05KIRK 138 1
END	
CONTINGENCY '5783_B2_TOR650'	
OPEN BRANCH FROM BUS 243481 TO BUS 243548 CKT 1	/ 243481 05CANAL 138 243548 05MOUND 138 1
END	
CONTINGENCY '5492_B2_TOR651'	
OPEN BRANCH FROM BUS 243286 TO BUS 243353 CKT 1	/ 243286 05EDISON 138 243353 05OLIVE 138 1
END	
CONTINGENCY '5785_B2_TOR657_WOMOAB'	
OPEN BRANCH FROM BUS 243485 TO BUS 243487 CKT 1	/ 243485 05CLINTO 138 243487 05CM TAP 138 1
OPEN BRANCH FROM BUS 243487 TO BUS 243512 CKT 1	/ 243487 05CM TAP 138 243512 05GE TAP 138 1
OPEN BRANCH FROM BUS 243487 TO BUS 243547 CKT 1	/ 243487 05CM TAP 138 243547 05MORSE 138 1
OPEN BRANCH FROM BUS 243512 TO BUS 243525 CKT 1	/ 243512 05GE TAP 138 243525 05HUNTLE 138 1
OPEN BRANCH FROM BUS 243512 TO BUS 246827 CKT 1	/ 243512 05GE TAP 138 246827 GE SUPER 13.8 1
END	
CONTINGENCY '5786_B2_TOR657A_MOAB'	
OPEN BRANCH FROM BUS 243485 TO BUS 243487 CKT 1	/ 243485 05CLINTO 138 243487 05CM TAP 138 1
OPEN BRANCH FROM BUS 243487 TO BUS 243512 CKT 1	/ 243487 05CM TAP 138 243512 05GE TAP 138 1
OPEN BRANCH FROM BUS 243487 TO BUS 243547 CKT 1	/ 243487 05CM TAP 138 243547 05MORSE 138 1
END	
CONTINGENCY '5787_B2_TOR657B_MOAB'	
OPEN BRANCH FROM BUS 243512 TO BUS 243525 CKT 1	/ 243512 05GE TAP 138 243525 05HUNTLE 138 1
OPEN BRANCH FROM BUS 243512 TO BUS 246827 CKT 1	/ 243512 05GE TAP 138 246827 GE SUPER 13.8 1
END	
CONTINGENCY '5788_B2_TOR658'	
OPEN BRANCH FROM BUS 243473 TO BUS 243518 CKT 2	/ 243473 05BIXBY 138 243518 05GROVES 138 2
END	
CONTINGENCY '8668_B2_TOR659'	
OPEN BRANCH FROM BUS 243498 TO BUS 243526 CKT 1	/ 243498 05DLAWAR 138 243526 05HYATT 138 1
END	
CONTINGENCY '5791_B2_TOR661'	
OPEN BRANCH FROM BUS 243466 TO BUS 243467 CKT 1	/ 243466 05ASTOR 138 243467 05AT&TEBROAD 138 1
END	
CONTINGENCY '5793_B2_TOR663_WOMOAB'	
OPEN BRANCH FROM BUS 246662 TO BUS 243540 CKT 1	/ 246662 MCCMBEQ2 999 243540 05MCOMBS 138 1
OPEN BRANCH FROM BUS 246662 TO BUS 246665 CKT 1	/ 246662 MCCMBEQ2 999 246665 MCOMBS 39.4 1
OPEN BRANCH FROM BUS 246662 TO BUS 246663 CKT 1	/ 246662 MCCMBEQ2 999 246663 MCCOMB L 13.8 1
OPEN BRANCH FROM BUS 243469 TO BUS 243540 CKT 1	/ 243469 05BEATTY 138 243540 05MCOMBS 138 1
END	
CONTINGENCY '5794_B2_TOR663A_MOAB'	
OPEN BRANCH FROM BUS 243469 TO BUS 243540 CKT 1	/ 243469 05BEATTY 138 243540 05MCOMBS 138 1
END	
CONTINGENCY '5795_B2_TOR664'	
OPEN BRANCH FROM BUS 243547 TO BUS 243577 CKT 1	/ 243547 05MORSE 138 243577 05STELZR 138 1
END	
CONTINGENCY '5796_B2_TOR665'	
OPEN BRANCH FROM BUS 243525 TO BUS 243535 CKT 1	/ 243525 05HUNTLE 138 243535 05LINWRT 138 1
END	
CONTINGENCY '5797_B2_TOR666'	
OPEN BRANCH FROM BUS 243480 TO BUS 243511 CKT 1	/ 243480 05BUCKEY 138 243511 05GAY 138 1
END	

CONTINGENCY '8156_B2_TOR669'	
OPEN BRANCH FROM BUS 243497 TO BUS 247019 CKT 1	/ 243497 05DELANO 138 247019 05NEV SS 138 1
OPEN BRANCH FROM BUS 247222 TO BUS 247019 CKT 1	/ 247222 05DUPT_S 138 247019 05NEV SS 138 1
OPEN BRANCH FROM BUS 247019 TO BUS 243568 CKT 1	/ 247019 05NEV SS 138 243568 05SCIOTO 138 1
OPEN BRANCH FROM BUS 247222 TO BUS 247223 CKT 1	/ 247222 05DUPT_S 138 247223 DUPT_S L 13.8 1
END	
CONTINGENCY '5899_B2_TOR670'	
OPEN BRANCH FROM BUS 247221 TO BUS 243568 CKT 1	/ 247221 05DUPT_N 138 243568 05SCIOTO 138 1
OPEN BRANCH FROM BUS 243568 TO BUS 243569 CKT 1	/ 243568 05SCIOTO 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 247221 TO BUS 246789 CKT 1	/ 247221 05DUPT_N 138 246789 DUPT_N L 13.8 1
END	
CONTINGENCY '5798_B2_TOR671'	
OPEN BRANCH FROM BUS 243548 TO BUS 243876 CKT 1	/ 243548 05MOUND 138 243876 05ST.CXX 138 1
OPEN BRANCH FROM BUS 243575 TO BUS 243876 CKT SR	/ 243575 05ST.CLR 138 243876 05ST.CXX 138 SR
END	
CONTINGENCY '5799_B2_TOR672'	
OPEN BRANCH FROM BUS 243511 TO BUS 243580 CKT 1	/ 243511 05GAY 138 243580 05SULVNT 138 1
OPEN BRANCH FROM BUS 243540 TO BUS 243580 CKT 1	/ 243540 05MCOMBS 138 243580 05SULVNT 138 1
END	
CONTINGENCY '5900_B2_TOR673'	
OPEN BRANCH FROM BUS 243549 TO BUS 243562 CKT 1	/ 243549 05MULBRY 138 243562 05ROSS 138 1
END	
CONTINGENCY '5800_B2_TOR676'	
OPEN BRANCH FROM BUS 243491 TO BUS 243513 CKT 1	/ 243491 05CORRID 138 243513 05GENOA 138 1
END	
CONTINGENCY '5801_B2_TOR677'	
OPEN BRANCH FROM BUS 243491 TO BUS 243510 CKT 1	/ 243491 05CORRID 138 243510 05GAHANN 138 1
END	
CONTINGENCY '5802_B2_TOR679'	
OPEN BRANCH FROM BUS 243524 TO BUS 243584 CKT 1	/ 243524 05HESS 138 243584 05VINE 138 1
END	
CONTINGENCY '5803_B2_TOR681'	
OPEN BRANCH FROM BUS 243484 TO BUS 243584 CKT 2	/ 243484 05CITYCO 138 243584 05VINE 138 2
END	
CONTINGENCY '8173_B2_TOR684_WOMOAB'	
OPEN BRANCH FROM BUS 245535 TO BUS 242950 CKT 1	/ 245535 ACADEMEQ 999 242950 05ACADEM 138 1
OPEN BRANCH FROM BUS 245535 TO BUS 245537 CKT 1	/ 245535 ACADEMEQ 999 245537 ACADEMIA 69.0 1
OPEN BRANCH FROM BUS 245535 TO BUS 245536 CKT 1	/ 245535 ACADEMEQ 999 245536 ACADEMIA 12.0 1
OPEN BRANCH FROM BUS 242950 TO BUS 242955 CKT 1	/ 242950 05ACADEM 138 242955 05APPLY 138 1
OPEN BRANCH FROM BUS 242950 TO BUS 246941 CKT 1	/ 242950 05ACADEM 138 246941 05MILL2Z 138 1
OPEN BRANCH FROM BUS 242950 TO BUS 243153 CKT 1	/ 242950 05ACADEM 138 243153 05WMTVER 138 1
OPEN BRANCH FROM BUS 246941 TO BUS 243160 CKT 1	/ 246941 05MILL2Z 138 243160 05WTRNWX 138 1
OPEN BRANCH FROM BUS 243070 TO BUS 243160 CKT 1	/ 243070 05OHIOCT 138 243160 05WTRNWX 138 1
OPEN BRANCH FROM BUS 243160 TO BUS 245425 CKT 1	/ 243160 05WTRNWX 138 245425 W TRINWX 12.0 1
OPEN BRANCH FROM BUS 245537 TO BUS 247089 CKT 1	/ 245537 ACADEMIA 69.0 247089 E.FREDSS 69.0 1
OPEN BRANCH FROM BUS 245537 TO BUS 245543 CKT 1	/ 245537 ACADEMIA 69.0 245543 GAMBIER 69.0 1
OPEN BRANCH FROM BUS 245537 TO BUS 245553 CKT 1	/ 245537 ACADEMIA 69.0 245553 MT VERN 69.0 1
OPEN BRANCH FROM BUS 247089 TO BUS 245542 CKT 1	/ 247089 E.FREDSS 69.0 245542 FREDRTOW 69.0 1
OPEN BRANCH FROM BUS 247089 TO BUS 245554 CKT 1	/ 247089 E.FREDSS 69.0 245554 MTVERN8 69.0 1
OPEN BRANCH FROM BUS 247089 TO BUS 247082 CKT 1	/ 247089 E.FREDSS 69.0 247082 NLIBERSS 69.0 1
OPEN BRANCH FROM BUS 245546 TO BUS 247082 CKT 1	/ 245546 JELOWAY8 69.0 247082 NLIBERSS 69.0 1
END	
CONTINGENCY '5130_B2_TOR684A_MOAB'	
OPEN BRANCH FROM BUS 242950 TO BUS 246941 CKT 1	/ 242950 05ACADEM 138 246941 05MILL2Z 138 1
OPEN BRANCH FROM BUS 246941 TO BUS 243160 CKT 1	/ 246941 05MILL2Z 138 243160 05WTRNWX 138 1
OPEN BRANCH FROM BUS 243070 TO BUS 243160 CKT 1	/ 243070 05OHIOCT 138 243160 05WTRNWX 138 1
OPEN BRANCH FROM BUS 243160 TO BUS 245425 CKT 1	/ 243160 05WTRNWX 138 245425 W TRINWX 12.0 1
END	
CONTINGENCY '5710_B2_TOR685'	
OPEN BRANCH FROM BUS 242950 TO BUS 243153 CKT 1	/ 242950 05ACADEM 138 243153 05WMTVER 138 1
END	

CONTINGENCY '5804_B2_TOR686'	
OPEN BRANCH FROM BUS 243485 TO BUS 243486 CKT SR	/ 243485 05CLINTO 138 243486 05CLINTX 138 SR
OPEN BRANCH FROM BUS 243486 TO BUS 243551 CKT 1	/ 243486 05CLINTX 138 243551 05OSU 138 1
END	
CONTINGENCY '5131_B2_TOR687'	
OPEN BRANCH FROM BUS 242974 TO BUS 242975 CKT 1	/ 242974 05BUCKLR 138 242975 05BUCKTP 138 1
OPEN BRANCH FROM BUS 242975 TO BUS 243006 CKT 1	/ 242975 05BUCKTP 138 243006 05FOSTOR 138 1
OPEN BRANCH FROM BUS 242975 TO BUS 243081 CKT 1	/ 242975 05BUCKTP 138 243081 05RISGSN 138 1
OPEN BRANCH FROM BUS 242974 TO BUS 245607 CKT 1	/ 242974 05BUCKLR 138 245607 BUCKLY R 69.0 1
OPEN BRANCH FROM BUS 243081 TO BUS 245647 CKT Z1	/ 243081 05RISGSN 138 245647 RISINGS8 12.0 Z1
OPEN BRANCH FROM BUS 245607 TO BUS 245626 CKT 1	/ 245607 BUCKLY R 69.0 245626 N END 69.0 1
OPEN BRANCH FROM BUS 245607 TO BUS 247145 CKT 1	/ 245607 BUCKLY R 69.0 247145 W.ALENSS 69.0 1
END	
CONTINGENCY '5132_B2_TOR688'	
OPEN BRANCH FROM BUS 242976 TO BUS 243117 CKT 1	/ 242976 05BUCYRC 138 243117 05SULFRS 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243117 CKT 1	/ 243024 05HOWARD 138 243117 05SULFRS 138 1
OPEN BRANCH FROM BUS 242976 TO BUS 245653 CKT 1	/ 242976 05BUCYRC 138 245653 BUCYRS C 69.0 1
OPEN BRANCH FROM BUS 243117 TO BUS 245675 CKT 1	/ 243117 05SULFRS 138 245675 SULFSP L 12.0 1
END	
CONTINGENCY '5133_B2_TOR689'	
OPEN BRANCH FROM BUS 242980 TO BUS 243097 CKT 1	/ 242980 05CANTNC 138 243097 05SECANT 138 1
END	
CONTINGENCY '7622_B2_TOR690'	
OPEN BRANCH FROM BUS 242981 TO BUS 243120 CKT 1	/ 242981 05CARROL 138 243120 05SUNNNY 138 1
END	
CONTINGENCY '7621_B2_TOR691_WOMOAB'	
OPEN BRANCH FROM BUS 242981 TO BUS 247016 CKT 1	/ 242981 05CARROL 138 247016 05GABLSS 138 1
OPEN BRANCH FROM BUS 247016 TO BUS 243085 CKT 1	/ 247016 05GABLSS 138 243085 05S CAD 138 1
OPEN BRANCH FROM BUS 247016 TO BUS 243128 CKT 1	/ 247016 05GABLSS 138 243128 05TIDD B 138 1
OPEN BRANCH FROM BUS 243085 TO BUS 245012 CKT 1	/ 243085 05S CAD 138 245012 S CADIZ 69.0 1
END	
CONTINGENCY '8312_B2_TOR691A_MOAB'	
OPEN BRANCH FROM BUS 242981 TO BUS 247016 CKT 1	/ 242981 05CARROL 138 247016 05GABLSS 138 1
END	
CONTINGENCY '8313_B2_TOR691B_MOAB'	
OPEN BRANCH FROM BUS 247016 TO BUS 243128 CKT 1	/ 247016 05GABLSS 138 243128 05TIDD B 138 1
END	
CONTINGENCY '8314_B2_TOR691C_MOAB'	
OPEN BRANCH FROM BUS 247016 TO BUS 243085 CKT 1	/ 247016 05GABLSS 138 243085 05S CAD 138 1
OPEN BRANCH FROM BUS 243085 TO BUS 245012 CKT 1	/ 243085 05S CAD 138 245012 S CADIZ 69.0 1
END	
CONTINGENCY '5134_B2_TOR692'	
OPEN BRANCH FROM BUS 242980 TO BUS 243139 CKT 1	/ 242980 05CANTNC 138 243139 05WAGENH 138 1
END	
CONTINGENCY '7170_B2_TOR693'	
OPEN BRANCH FROM BUS 242982 TO BUS 243047 CKT 1	/ 242982 05CENPOR 138 243047 05N PORT 138 1
OPEN BRANCH FROM BUS 243047 TO BUS 243087 CKT 1	/ 243047 05N PORT 138 243087 05S LUCA 138 1
OPEN BRANCH FROM BUS 242982 TO BUS 243815 CKT 1	/ 242982 05CENPOR 138 243815 CENPORTS 69.0 1
END	
CONTINGENCY '5711_B2_TOR694'	
OPEN BRANCH FROM BUS 242986 TO BUS 243063 CKT 1	/ 242986 05CROOKS 138 243063 05NNEWAR 138 1
END	
CONTINGENCY '5715_B2_TOR696'	
OPEN BRANCH FROM BUS 242986 TO BUS 243104 CKT 1	/ 242986 05CROOKS 138 243104 05SLANCS 138 1
OPEN BRANCH FROM BUS 243104 TO BUS 245591 CKT 1	/ 243104 05SLANCS 138 245591 S LANCAST 69.0 1
OPEN BRANCH FROM BUS 245581 TO BUS 245591 CKT 1	/ 245581 LANCASTE 69.0 245591 S LANCAST 69.0 1
OPEN BRANCH FROM BUS 245588 TO BUS 245591 CKT 1	/ 245588 ROCKBRDG 69.0 245591 S LANCAST 69.0 1
END	
CONTINGENCY '5135_B2_TOR697'	
OPEN BRANCH FROM BUS 242989 TO BUS 243057 CKT 1	/ 242989 05E LIMA 138 243057 05NEWLIB 138 1
END	

CONTINGENCY '5136_B2_TOR698_WOMOAB'	
OPEN BRANCH FROM BUS 245771 TO BUS 243059 CKT 1	/ 245771 NFIND EQ 999 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 245775 TO BUS 243067 CKT 1	/ 245775 NWOODCEQ 999 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245771 TO BUS 245764 CKT 1	/ 245771 NFIND EQ 999 245764 N FINDLA 69.0 1
OPEN BRANCH FROM BUS 245775 TO BUS 245766 CKT 1	/ 245775 NWOODCEQ 999 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245771 TO BUS 245772 CKT 1	/ 245771 NFIND EQ 999 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245775 TO BUS 245765 CKT 1	/ 245775 NWOODCEQ 999 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243067 CKT 1	/ 242989 05E LIMA 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245763 TO BUS 245766 CKT 1	/ 245763 N BLUFFT 69.0 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245738 TO BUS 245772 CKT 1	/ 245738 DOWCHEM2 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245788 TO BUS 245765 CKT 1	/ 245788 DTR 34.5 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 245726 TO BUS 245772 CKT 1	/ 245726 GRIFTHSS 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245772 TO BUS 245791 CKT 1	/ 245772 NFINDLY1 34.5 245791 VANBURN8 34.5 1
END	
CONTINGENCY '7741_B2_TOR698A_MOAB'	
OPEN BRANCH FROM BUS 245775 TO BUS 243067 CKT 1	/ 245775 NWOODCEQ 999 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245775 TO BUS 245766 CKT 1	/ 245775 NWOODCEQ 999 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245775 TO BUS 245765 CKT 1	/ 245775 NWOODCEQ 999 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243067 CKT 1	/ 242989 05E LIMA 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245763 TO BUS 245766 CKT 1	/ 245763 N BLUFFT 69.0 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245788 TO BUS 245765 CKT 1	/ 245788 DTR 34.5 245765 N WOODCK 34.5 1
END	
CONTINGENCY '5137_B2_TOR699'	
OPEN BRANCH FROM BUS 242989 TO BUS 243082 CKT 1	/ 242989 05E LIMA 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '5138_B2_TOR700'	
OPEN BRANCH FROM BUS 242989 TO BUS 243155 CKT 1	/ 242989 05E LIMA 138 243155 05WNEWT8 138 1
OPEN BRANCH FROM BUS 243031 TO BUS 243103 CKT 1	/ 243031 05LYNN Z 138 243103 05SKENTO 138 1
OPEN BRANCH FROM BUS 243031 TO BUS 243155 CKT 1	/ 243031 05LYNN Z 138 243155 05WNEWT8 138 1
OPEN BRANCH FROM BUS 243031 TO BUS 246875 CKT 1	/ 243031 05LYNN Z 138 246875 LYNN L8 12.0 1
OPEN BRANCH FROM BUS 243155 TO BUS 245856 CKT 1	/ 243155 05WNEWT8 138 245856 WNEWT L8 12.0 1
END	
CONTINGENCY '5139_B2_TOR701_WOMOAB'	
OPEN BRANCH FROM BUS 242989 TO BUS 243066 CKT 1	/ 242989 05E LIMA 138 243066 05NW LIM 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 243157 CKT 1	/ 243066 05NW LIM 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243136 TO BUS 243157 CKT 1	/ 243136 05W LIMA 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 245832 CKT 1	/ 243066 05NW LIM 138 245832 NWLIMA L 12.0 1
OPEN BRANCH FROM BUS 243157 TO BUS 245857 CKT 1	/ 243157 05WOODLA 138 245857 WOODLN L 12.0 1
END	
CONTINGENCY '5140_B2_TOR701A_MOAB'	
OPEN BRANCH FROM BUS 242989 TO BUS 243066 CKT 1	/ 242989 05E LIMA 138 243066 05NW LIM 138 1
END	
CONTINGENCY '5141_B2_TOR701B_MOAB'	
OPEN BRANCH FROM BUS 243066 TO BUS 243157 CKT 1	/ 243066 05NW LIM 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243136 TO BUS 243157 CKT 1	/ 243136 05W LIMA 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243157 TO BUS 245857 CKT 1	/ 243157 05WOODLA 138 245857 WOODLN L 12.0 1
END	
CONTINGENCY '5142_B2_TOR704_WOMOAB'	
OPEN BRANCH FROM BUS 242954 TO BUS 242978 CKT 1	/ 242954 05APPLEC 138 242978 05CANALR 138 1
OPEN BRANCH FROM BUS 242954 TO BUS 243093 CKT 1	/ 242954 05APPLEC 138 243093 05SCANTW 138 1
OPEN BRANCH FROM BUS 242978 TO BUS 243000 CKT 1	/ 242978 05CANALR 138 243000 05EWOST 138 1
OPEN BRANCH FROM BUS 242978 TO BUS 245270 CKT 1	/ 242978 05CANALR 138 245270 CANAL RD 69.0 1
OPEN BRANCH FROM BUS 242954 TO BUS 245264 CKT 1	/ 242954 05APPLEC 138 245264 APPECKL 12.0 1
END	
CONTINGENCY '5143_B2_TOR704A_MOAB'	
OPEN BRANCH FROM BUS 242978 TO BUS 243000 CKT 1	/ 242978 05CANALR 138 243000 05EWOST 138 1
OPEN BRANCH FROM BUS 242978 TO BUS 245270 CKT 1	/ 242978 05CANALR 138 245270 CANAL RD 69.0 1
END	
CONTINGENCY '5144_B2_TOR704B_MOAB'	

OPEN BRANCH FROM BUS 242954 TO BUS 242978 CKT 1	/ 242954 05APPLEC 138 242978 05CANALR 138 1
OPEN BRANCH FROM BUS 242954 TO BUS 243093 CKT 1	/ 242954 05APPLEC 138 243093 05SCANTW 138 1
OPEN BRANCH FROM BUS 242954 TO BUS 245264 CKT 1	/ 242954 05APPLEC 138 245264 APPECKL 12.0 1
END	
CONTINGENCY '5148_B2_TOR708'	
OPEN BRANCH FROM BUS 243006 TO BUS 243137 CKT 1	/ 243006 05FOSTOR 138 243137 05W.END 138 1
END	
CONTINGENCY '7161_B2_TOR709'	
OPEN BRANCH FROM BUS 243008 TO BUS 243130 CKT 1	/ 243008 05FREMCT 138 243130 05TIFFIN 138 1
END	
CONTINGENCY '5151_B2_TOR710'	
OPEN BRANCH FROM BUS 243015 TO BUS 243130 CKT 1	/ 243015 05GREENL 138 243130 05TIFFIN 138 1
OPEN BRANCH FROM BUS 243015 TO BUS 245621 CKT 1	/ 243015 05GREENL 138 245621 GREENLAW 69.0 1
END	
CONTINGENCY '5903_B2_TOR714_WOMOAB'	
OPEN BRANCH FROM BUS 242951 TO BUS 243013 CKT 1	/ 242951 05ADISN8 138 243013 05GAVIN1 138 1
OPEN BRANCH FROM BUS 242951 TO BUS 243126 CKT 1	/ 242951 05ADISN8 138 243126 05THIVEN 138 1
OPEN BRANCH FROM BUS 243046 TO BUS 243126 CKT 1	/ 243046 05N CROW 138 243126 05THIVEN 138 1
OPEN BRANCH FROM BUS 243046 TO BUS 247277 CKT 1	/ 243046 05N CROW 138 247277 05WNDSRZ 138 1
OPEN BRANCH FROM BUS 243064 TO BUS 247277 CKT 1	/ 243064 05NPROCT 138 247277 05WNDSRZ 138 1
OPEN BRANCH FROM BUS 243073 TO BUS 243126 CKT 1	/ 243073 05PATRT8 138 243126 05THIVEN 138 1
OPEN BRANCH FROM BUS 243154 TO BUS 247277 CKT 1	/ 243154 05WNDSR8 138 247277 05WNDSRZ 138 1
OPEN BRANCH FROM BUS 242951 TO BUS 244938 CKT 1	/ 242951 05ADISN8 138 244938 ADDSN8 L 12.0 1
OPEN BRANCH FROM BUS 243046 TO BUS 244945 CKT 1	/ 243046 05N CROW 138 244945 NCRWNC L 12.0 1
OPEN BRANCH FROM BUS 243073 TO BUS 244946 CKT 1	/ 243073 05PATRT8 138 244946 PATRT8 L 12.0 1
OPEN BRANCH FROM BUS 243154 TO BUS 244970 CKT Z1	/ 243154 05WNDSR8 138 244970 WINDS8 L 12.0 Z1
END	
CONTINGENCY '5904_B2_TOR714A_MOAB'	
OPEN BRANCH FROM BUS 242951 TO BUS 243013 CKT 1	/ 242951 05ADISN8 138 243013 05GAVIN1 138 1
OPEN BRANCH FROM BUS 242951 TO BUS 243126 CKT 1	/ 242951 05ADISN8 138 243126 05THIVEN 138 1
OPEN BRANCH FROM BUS 243046 TO BUS 243126 CKT 1	/ 243046 05N CROW 138 243126 05THIVEN 138 1
OPEN BRANCH FROM BUS 243073 TO BUS 243126 CKT 1	/ 243073 05PATRT8 138 243126 05THIVEN 138 1
OPEN BRANCH FROM BUS 242951 TO BUS 244938 CKT 1	/ 242951 05ADISN8 138 244938 ADDSN8 L 12.0 1
OPEN BRANCH FROM BUS 243073 TO BUS 244946 CKT 1	/ 243073 05PATRT8 138 244946 PATRT8 L 12.0 1
END	
CONTINGENCY '5905_B2_TOR714B_MOAB'	
OPEN BRANCH FROM BUS 243046 TO BUS 247277 CKT 1	/ 243046 05N CROW 138 247277 05WNDSRZ 138 1
OPEN BRANCH FROM BUS 243064 TO BUS 247277 CKT 1	/ 243064 05NPROCT 138 247277 05WNDSRZ 138 1
OPEN BRANCH FROM BUS 243154 TO BUS 247277 CKT 1	/ 243154 05WNDSR8 138 247277 05WNDSRZ 138 1
OPEN BRANCH FROM BUS 243154 TO BUS 244970 CKT Z1	/ 243154 05WNDSR8 138 244970 WINDS8 L 12.0 Z1
END	
CONTINGENCY '5152_B2_TOR716'	
OPEN BRANCH FROM BUS 243012 TO BUS 243049 CKT 1	/ 243012 05G WASH 138 243049 05NATRIU 138 1
END	
CONTINGENCY '7635_B2_TOR722'	
OPEN BRANCH FROM BUS 243026 TO BUS 243774 CKT 1	/ 243026 05KAMMR1 138 243774 05ORMET 138 1
END	
CONTINGENCY '7639_B2_TOR723'	
OPEN BRANCH FROM BUS 243026 TO BUS 243774 CKT 3	/ 243026 05KAMMR1 138 243774 05ORMET 138 3
END	
CONTINGENCY '7640_B2_TOR724'	
OPEN BRANCH FROM BUS 243026 TO BUS 243774 CKT 4	/ 243026 05KAMMR1 138 243774 05ORMET 138 4
END	
CONTINGENCY '7707_B2_TOR725'	
OPEN BRANCH FROM BUS 243026 TO BUS 243143 CKT 1	/ 243026 05KAMMR1 138 243143 05WBELLA 138 1
OPEN BRANCH FROM BUS 243143 TO BUS 245101 CKT 1	/ 243143 05WBELLA 138 245101 W BELAIR 69.0 1
OPEN BRANCH FROM BUS 245082 TO BUS 245101 CKT 1	/ 245082 BELLAIRE 69.0 245101 W BELAIR 69.0 1
OPEN BRANCH FROM BUS 245093 TO BUS 245101 CKT 1	/ 245093 NEFFS 69.0 245101 W BELAIR 69.0 1
END	
CONTINGENCY '5906_B2_TOR726'	
OPEN BRANCH FROM BUS 243042 TO BUS 243088 CKT 1	/ 243042 05MILLBR 138 243088 05S POIN 138 1

END	
CONTINGENCY '5907_B2_TOR727'	
OPEN BRANCH FROM BUS 243042 TO BUS 243047 CKT 1	/ 243042 05MILLBR 138 243047 05N PORT 138 1
OPEN BRANCH FROM BUS 243047 TO BUS 243819 CKT 1	/ 243047 05N PORT 138 243819 N PORTSM 69.0 1
OPEN BRANCH FROM BUS 243819 TO BUS 243826 CKT 1	/ 243819 N PORTSM 69.0 243826 ORTELCRN 69.0 1
OPEN BRANCH FROM BUS 243819 TO BUS 243822 CKT 1	/ 243819 N PORTSM 69.0 243822 ROSEMOUN 69.0 1
END	
CONTINGENCY '8419_B2_TOR728_WOMOAB'	
OPEN BRANCH FROM BUS 245477 TO BUS 243096 CKT 1	/ 245477 SCUMBREQ 999 243096 05SCUMBL 138 1
OPEN BRANCH FROM BUS 245477 TO BUS 245472 CKT 1	/ 245477 SCUMBREQ 999 245472 S CUMBLN 69.0 1
OPEN BRANCH FROM BUS 245477 TO BUS 245471 CKT 1	/ 245477 SCUMBREQ 999 245471 S CUMBLN 34.5 1
OPEN BRANCH FROM BUS 243045 TO BUS 243091 CKT 1	/ 243045 05MUSKNG 138 243091 05SCALDW 138 1
OPEN BRANCH FROM BUS 243091 TO BUS 243096 CKT 1	/ 243091 05SCALDW 138 243096 05SCUMBL 138 1
OPEN BRANCH FROM BUS 243091 TO BUS 247156 CKT 1	/ 243091 05SCALDW 138 247156 05STEAMT 138 1
OPEN BRANCH FROM BUS 243096 TO BUS 245476 CKT 1	/ 243096 05SCUMBL 138 245476 SCUMBR L 12.0 1
OPEN BRANCH FROM BUS 245453 TO BUS 245472 CKT 1	/ 245453 DRAGLINE 69.0 245472 S CUMBLN 69.0 1
OPEN BRANCH FROM BUS 245460 TO BUS 245472 CKT 1	/ 245460 GLENWOOD 69.0 245472 S CUMBLN 69.0 1
OPEN BRANCH FROM BUS 247079 TO BUS 245471 CKT 1	/ 247079 BROOKFSS 34.5 245471 S CUMBLN 34.5 1
END	
CONTINGENCY '5717_B2_TOR728A_MOAB'	
OPEN BRANCH FROM BUS 243045 TO BUS 243091 CKT 1	/ 243045 05MUSKNG 138 243091 05SCALDW 138 1
END	
CONTINGENCY '8417_B2_TOR728B_MOAB'	
OPEN BRANCH FROM BUS 243091 TO BUS 247156 CKT 1	/ 243091 05SCALDW 138 247156 05STEAMT 138 1
END	
CONTINGENCY '8418_B2_TOR728B_MOAB'	
OPEN BRANCH FROM BUS 247156 TO BUS 243118 CKT 1	/ 247156 05STEAMT 138 243118 05SUMMER 138 1
END	
CONTINGENCY '5719_B2_TOR729'	
OPEN BRANCH FROM BUS 245485 TO BUS 243144 CKT 1	/ 245485 WCAMBREQ 999 243144 05WCAMBR 138 1
OPEN BRANCH FROM BUS 245485 TO BUS 245483 CKT 1	/ 245485 WCAMBREQ 999 245483 W CAMBRD 69.0 1
OPEN BRANCH FROM BUS 245485 TO BUS 245481 CKT 1	/ 245485 WCAMBREQ 999 245481 W CAMBRD 13.0 1
OPEN BRANCH FROM BUS 242997 TO BUS 243045 CKT 1	/ 242997 05ENCONC 138 243045 05MUSKNG 138 1
OPEN BRANCH FROM BUS 242997 TO BUS 243144 CKT 1	/ 242997 05ENCONC 138 243144 05WCAMBR 138 1
OPEN BRANCH FROM BUS 242997 TO BUS 245456 CKT 1	/ 242997 05ENCONC 138 245456 E NCON L 12.0 1
OPEN BRANCH FROM BUS 245468 TO BUS 245483 CKT 1	/ 245468 RTE 40 8 69.0 245483 W CAMBRD 69.0 1
END	
CONTINGENCY '5160_B2_TOR730'	
OPEN BRANCH FROM BUS 243056 TO BUS 243094 CKT 1	/ 243056 05NEWCOM 138 243094 05SCOSHC 138 1
OPEN BRANCH FROM BUS 243094 TO BUS 245341 CKT 1	/ 243094 05SCOSHC 138 245341 S COSHCT 34.5 1
END	
CONTINGENCY '5720_B2_TOR731'	
OPEN BRANCH FROM BUS 243056 TO BUS 243144 CKT 1	/ 243056 05NEWCOM 138 243144 05WCAMBR 138 1
END	
CONTINGENCY '5161_B2_TOR732'	
OPEN BRANCH FROM BUS 243020 TO BUS 243056 CKT 1	/ 243020 05HILLVI 138 243056 05NEWCOM 138 1
OPEN BRANCH FROM BUS 243020 TO BUS 243156 CKT 1	/ 243020 05HILLVI 138 243156 05WNPHIL 138 1
OPEN BRANCH FROM BUS 243020 TO BUS 245230 CKT 1	/ 243020 05HILLVI 138 245230 HILVIEWL 12.0 1
END	
CONTINGENCY '5721_B2_TOR735'	
OPEN BRANCH FROM BUS 243063 TO BUS 243098 CKT 1	/ 243063 05NNEWAR 138 243098 05SHARPR 138 1
OPEN BRANCH FROM BUS 243098 TO BUS 243153 CKT 1	/ 243098 05SHARPR 138 243153 05WMTVER 138 1
OPEN BRANCH FROM BUS 243098 TO BUS 247201 CKT 1	/ 243098 05SHARPR 138 247201 SHARP RD 69.0 1
END	
CONTINGENCY '5162_B2_TOR736'	
OPEN BRANCH FROM BUS 243070 TO BUS 243094 CKT 1	/ 243070 05OHIOCT 138 243094 05SCOSHC 138 1
END	
CONTINGENCY '8724_B2_TOR738'	
OPEN BRANCH FROM BUS 243070 TO BUS 243075 CKT 1	/ 243070 05OHIOCT 138 243075 05POWELS 138 1
END	
CONTINGENCY '5163_B2_TOR739_WOMOAB'	

OPEN BRANCH FROM BUS 242998 TO BUS 243001 CKT 1	/ 242998 05EPOINT 138 243001 05EZANEV 138 1
OPEN BRANCH FROM BUS 242998 TO BUS 243070 CKT 1	/ 242998 05EPOINT 138 243070 05OHIOCT 138 1
OPEN BRANCH FROM BUS 243001 TO BUS 243074 CKT 1	/ 243001 05EZANEV 138 243074 05PHILO 138 1
OPEN BRANCH FROM BUS 243001 TO BUS 245394 CKT 1	/ 243001 05EZANEV 138 245394 EZANES 1 69.0 1
OPEN BRANCH FROM BUS 243001 TO BUS 245395 CKT 1	/ 243001 05EZANEV 138 245395 EZANES 2 69.0 1
OPEN BRANCH FROM BUS 242998 TO BUS 245426 CKT Z1	/ 242998 05EPOINT 138 245426 E.POINT 12.0 Z1
OPEN BRANCH FROM BUS 245394 TO BUS 245399 CKT 1	/ 245394 EZANES 1 69.0 245399 LINDEN A 69.0 1
OPEN BRANCH FROM BUS 245394 TO BUS 245408 CKT 1	/ 245394 EZANES 1 69.0 245408 OAKLAND 69.0 1
OPEN BRANCH FROM BUS 245395 TO BUS 245402 CKT 1	/ 245395 EZANES 2 69.0 245402 MOXAHALS 69.0 1
END	
CONTINGENCY '5164_B2_TOR739A_MOAB'	
OPEN BRANCH FROM BUS 243001 TO BUS 243074 CKT 1	/ 243001 05EZANEV 138 243074 05PHILO 138 1
OPEN BRANCH FROM BUS 243001 TO BUS 245395 CKT 1	/ 243001 05EZANEV 138 245395 EZANES 2 69.0 1
END	
CONTINGENCY '5165_B2_TOR739B_MOAB'	
OPEN BRANCH FROM BUS 242998 TO BUS 243001 CKT 1	/ 242998 05EPOINT 138 243001 05EZANEV 138 1
OPEN BRANCH FROM BUS 242998 TO BUS 243070 CKT 1	/ 242998 05EPOINT 138 243070 05OHIOCT 138 1
OPEN BRANCH FROM BUS 243001 TO BUS 245394 CKT 1	/ 243001 05EZANEV 138 245394 EZANES 1 69.0 1
OPEN BRANCH FROM BUS 242998 TO BUS 245426 CKT Z1	/ 242998 05EPOINT 138 245426 E.POINT 12.0 Z1
OPEN BRANCH FROM BUS 245394 TO BUS 245399 CKT 1	/ 245394 EZANES 1 69.0 245399 LINDEN A 69.0 1
OPEN BRANCH FROM BUS 245394 TO BUS 245408 CKT 1	/ 245394 EZANES 1 69.0 245408 OAKLAND 69.0 1
END	
CONTINGENCY '5166_B2_TOR740'	
OPEN BRANCH FROM BUS 243030 TO BUS 243108 CKT 1	/ 243030 05LIMAOR 138 243108 05STRLN1 138 1
END	
CONTINGENCY '5167_B2_TOR741'	
OPEN BRANCH FROM BUS 245844 TO BUS 243099 CKT 1	/ 245844 SHAWNEEQ 999 243099 05SHAWN R 138 1
OPEN BRANCH FROM BUS 245844 TO BUS 245843 CKT 1	/ 245844 SHAWNEEQ 999 245843 SHAWNE R 69.0 1
OPEN BRANCH FROM BUS 245844 TO BUS 245842 CKT 1	/ 245844 SHAWNEEQ 999 245842 SHAWNE R 34.5 1
OPEN BRANCH FROM BUS 243030 TO BUS 243099 CKT 1	/ 243030 05LIMAOR 138 243099 05SHAWN R 138 1
OPEN BRANCH FROM BUS 243099 TO BUS 243122 CKT 1	/ 243099 05SHAWN R 138 243122 05SW LIM 138 1
OPEN BRANCH FROM BUS 243099 TO BUS 245841 CKT 1	/ 243099 05SHAWN R 138 245841 SHAWNE L 12.0 1
OPEN BRANCH FROM BUS 245826 TO BUS 245842 CKT 1	/ 245826 HOVER PK 34.5 245842 SHAWNE R 34.5 1
OPEN BRANCH FROM BUS 245818 TO BUS 245842 CKT 1	/ 245818 RIVERWSS 34.5 245842 SHAWNE R 34.5 1
END	
CONTINGENCY '5168_B2_TOR742_WOMOAB'	
OPEN BRANCH FROM BUS 242965 TO BUS 242972 CKT 1	/ 242965 05BRIDGV 138 242972 05BTHL Z 138 1
OPEN BRANCH FROM BUS 242965 TO BUS 242983 CKT 1	/ 242965 05BRIDGV 138 242983 05CHANDR 138 1
OPEN BRANCH FROM BUS 242972 TO BUS 243135 CKT 1	/ 242972 05BTHL Z 138 243135 05W DOVE 138 1
OPEN BRANCH FROM BUS 242983 TO BUS 243074 CKT 1	/ 242983 05CHANDR 138 243074 05PHILO 138 1
OPEN BRANCH FROM BUS 243065 TO BUS 243092 CKT 1	/ 243065 05NSTRAS 138 243092 05SCANTE 138 1
OPEN BRANCH FROM BUS 243065 TO BUS 243114 CKT 1	/ 243065 05NSTRAS 138 243114 05STRASB 138 1
OPEN BRANCH FROM BUS 243114 TO BUS 243135 CKT 1	/ 243114 05STRASB 138 243135 05W DOVE 138 1
OPEN BRANCH FROM BUS 243116 TO BUS 243135 CKT 1	/ 243116 05SUGARC 138 243135 05W DOVE 138 1
OPEN BRANCH FROM BUS 243135 TO BUS 245255 CKT 1	/ 243135 05W DOVE 138 245255 W DOVER 69.0 1
OPEN BRANCH FROM BUS 242965 TO BUS 245385 CKT 1	/ 242965 05BRIDGV 138 245385 BRIDGE L 12.0 1
OPEN BRANCH FROM BUS 242972 TO BUS 245384 CKT 1	/ 242972 05BTHL Z 138 245384 BETHL L8 12.0 1
OPEN BRANCH FROM BUS 242983 TO BUS 245388 CKT 1	/ 242983 05CHANDR 138 245388 CHANDRL8 12.0 1
OPEN BRANCH FROM BUS 243116 TO BUS 245251 CKT 1	/ 243116 05SUGARC 138 245251 SUGARCKL 12.0 1
OPEN BRANCH FROM BUS 245373 TO BUS 245255 CKT 1	/ 245373 E SUGAR8 69.0 245255 W DOVER 69.0 1
END	
CONTINGENCY '5169_B2_TOR742A_MOAB'	
OPEN BRANCH FROM BUS 243065 TO BUS 243092 CKT 1	/ 243065 05NSTRAS 138 243092 05SCANTE 138 1
END	
CONTINGENCY '5170_B2_TOR742B_MOAB'	
OPEN BRANCH FROM BUS 243065 TO BUS 243114 CKT 1	/ 243065 05NSTRAS 138 243114 05STRASB 138 1
OPEN BRANCH FROM BUS 243114 TO BUS 243135 CKT 1	/ 243114 05STRASB 138 243135 05W DOVE 138 1
END	
CONTINGENCY '5171_B2_TOR742C_MOAB'	
OPEN BRANCH FROM BUS 242965 TO BUS 242972 CKT 1	/ 242965 05BRIDGV 138 242972 05BTHL Z 138 1
OPEN BRANCH FROM BUS 242965 TO BUS 242983 CKT 1	/ 242965 05BRIDGV 138 242983 05CHANDR 138 1

OPEN BRANCH FROM BUS 242972 TO BUS 243135 CKT 1	/ 242972 05BTHL Z 138 243135 05W DOVE 138 1
OPEN BRANCH FROM BUS 242983 TO BUS 243074 CKT 1	/ 242983 05CHANDR 138 243074 05PHILO 138 1
OPEN BRANCH FROM BUS 242965 TO BUS 245385 CKT 1	/ 242965 05BRIDGV 138 245385 BRIDGE L 12.0 1
OPEN BRANCH FROM BUS 242972 TO BUS 245384 CKT 1	/ 242972 05BTHL Z 138 245384 BETHL L8 12.0 1
OPEN BRANCH FROM BUS 242983 TO BUS 245388 CKT 1	/ 242983 05CHANDR 138 245388 CHANDRL8 12.0 1
END	
CONTINGENCY '5172_B2_TOR743_WOMOAB'	
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243136 CKT 1	/ 242995 05EASTOW 138 243136 05W LIMA 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 245846 CKT 1	/ 242995 05EASTOW 138 245846 EASTWN L 12.0 1
END	
CONTINGENCY '5173_B2_TOR743A_MOAB'	
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '5174_B2_TOR743B_MOAB'	
OPEN BRANCH FROM BUS 242995 TO BUS 243136 CKT 1	/ 242995 05EASTOW 138 243136 05W LIMA 138 1
END	
CONTINGENCY '5175_B2_TOR744'	
OPEN BRANCH FROM BUS 243002 TO BUS 243092 CKT 1	/ 243002 05FAIRCR 138 243092 05SCANTE 138 1
OPEN BRANCH FROM BUS 243002 TO BUS 243097 CKT 1	/ 243002 05FAIRCR 138 243097 05SECANT 138 1
OPEN BRANCH FROM BUS 243002 TO BUS 245132 CKT 1	/ 243002 05FAIRCR 138 245132 FAIRCR L 12.0 1
END	
CONTINGENCY '5179_B2_TOR746'	
OPEN BRANCH FROM BUS 243776 TO BUS 243093 CKT 1	/ 243776 05S.TIMK 138 243093 05SCANTW 138 1
END	
CONTINGENCY '5180_B2_TOR747_WOMOP'	
OPEN BRANCH FROM BUS 243092 TO BUS 243132 CKT 1	/ 243092 05SCANTE 138 243132 05TORREY 138 1
END	
CONTINGENCY '5181_B2_TOR748_WOMOAB'	
OPEN BRANCH FROM BUS 243011 TO BUS 242963 CKT 1	/ 243011 05FULTON 138 242963 05HEDDSS 138 1
OPEN BRANCH FROM BUS 243011 TO BUS 243148 CKT 1	/ 243011 05FULTON 138 243148 05WINDFL 138 1
OPEN BRANCH FROM BUS 242963 TO BUS 243153 CKT 1	/ 242963 05HEDDSS 138 243153 05WMTVER 138 1
OPEN BRANCH FROM BUS 243048 TO BUS 243147 CKT 1	/ 243048 05N WALD 138 243147 05WILDC8 138 1
OPEN BRANCH FROM BUS 243048 TO BUS 243148 CKT 1	/ 243048 05N WALD 138 243148 05WINDFL 138 1
OPEN BRANCH FROM BUS 243103 TO BUS 243147 CKT 1	/ 243103 05SKENTO 138 243147 05WILDC8 138 1
OPEN BRANCH FROM BUS 243048 TO BUS 245708 CKT 1	/ 243048 05N WALD 138 245708 N WALDO 69.0 1
OPEN BRANCH FROM BUS 243011 TO BUS 245697 CKT 1	/ 243011 05FULTON 138 245697 FULTON L 12.0 1
OPEN BRANCH FROM BUS 242963 TO BUS 245540 CKT Z1	/ 242963 05HEDDSS 138 245540 BLOOMFL8 12.0 Z1
OPEN BRANCH FROM BUS 243147 TO BUS 245718 CKT 1	/ 243147 05WILDC8 138 245718 WILDCR8L 12.0 1
OPEN BRANCH FROM BUS 243148 TO BUS 245723 CKT Z1	/ 243148 05WINDFL 138 245723 RENGERT8 12.0 Z1
END	
CONTINGENCY '5182_B2_TOR748A_MOAB'	
OPEN BRANCH FROM BUS 243048 TO BUS 243147 CKT 1	/ 243048 05N WALD 138 243147 05WILDC8 138 1
OPEN BRANCH FROM BUS 243103 TO BUS 243147 CKT 1	/ 243103 05SKENTO 138 243147 05WILDC8 138 1
OPEN BRANCH FROM BUS 243147 TO BUS 245718 CKT 1	/ 243147 05WILDC8 138 245718 WILDCR8L 12.0 1
END	
CONTINGENCY '5183_B2_TOR748B_MOAB'	
OPEN BRANCH FROM BUS 243011 TO BUS 242963 CKT 1	/ 243011 05FULTON 138 242963 05HEDDSS 138 1
OPEN BRANCH FROM BUS 243011 TO BUS 243148 CKT 1	/ 243011 05FULTON 138 243148 05WINDFL 138 1
OPEN BRANCH FROM BUS 242963 TO BUS 243153 CKT 1	/ 242963 05HEDDSS 138 243153 05WMTVER 138 1
OPEN BRANCH FROM BUS 243048 TO BUS 243148 CKT 1	/ 243048 05N WALD 138 243148 05WINDFL 138 1
OPEN BRANCH FROM BUS 243011 TO BUS 245697 CKT 1	/ 243011 05FULTON 138 245697 FULTON L 12.0 1
OPEN BRANCH FROM BUS 242963 TO BUS 245540 CKT Z1	/ 242963 05HEDDSS 138 245540 BLOOMFL8 12.0 Z1
OPEN BRANCH FROM BUS 243148 TO BUS 245723 CKT Z1	/ 243148 05WINDFL 138 245723 RENGERT8 12.0 Z1
END	
CONTINGENCY '5184_B2_TOR749'	
OPEN BRANCH FROM BUS 243097 TO BUS 243120 CKT 1	/ 243097 05SECANT 138 243120 05SUNNNY 138 1
END	
CONTINGENCY '5185_B2_TOR750'	
OPEN BRANCH FROM BUS 242952 TO BUS 243097 CKT 1	/ 242952 05AGAGST 138 243097 05SECANT 138 1
OPEN BRANCH FROM BUS 242952 TO BUS 243778 CKT 1	/ 242952 05AGAGST 138 243778 05TIMKIN 138 1

OPEN BRANCH FROM BUS 242952 TO BUS 245109 CKT 1 END	/ 242952 05AGAGST 138 245109 AGAGAS 13.0 1
CONTINGENCY '5723_B2_TOR751'	
OPEN BRANCH FROM BUS 243104 TO BUS 243149 CKT 1	/ 243104 05SLANCS 138 243149 05WLANCS 138 1
OPEN BRANCH FROM BUS 243104 TO BUS 245595 CKT 1	/ 243104 05SLANCS 138 245595 SLANCAS2 69.0 1
OPEN BRANCH FROM BUS 245572 TO BUS 245595 CKT 1	/ 245572 BREMEN 69.0 245595 SLANCAS2 69.0 1
OPEN BRANCH FROM BUS 245577 TO BUS 245595 CKT 1	/ 245577 ELANCASZ 69.0 245595 SLANCAS2 69.0 1
OPEN BRANCH FROM BUS 245586 TO BUS 245595 CKT 1 END	/ 245586 QUARRY R 69.0 245595 SLANCAS2 69.0 1
CONTINGENCY '5186_B2_TOR752'	
OPEN BRANCH FROM BUS 243122 TO BUS 243136 CKT 1 END	/ 243122 05SW LIM 138 243136 05W LIMA 138 1
CONTINGENCY '5187_B2_TOR753'	
OPEN BRANCH FROM BUS 243109 TO BUS 243127 CKT 1 END	/ 243109 05STEUBN 138 243127 05TIDD 138 1
CONTINGENCY '5188_B2_TOR755'	
OPEN BRANCH FROM BUS 243120 TO BUS 243141 CKT 1	/ 243120 05SUNNNY 138 243141 05WARNER 138 1
OPEN BRANCH FROM BUS 243132 TO BUS 243141 CKT 1 END	/ 243132 05TORREY 138 243141 05WARNER 138 1
CONTINGENCY '5189_B2_TOR756'	
OPEN BRANCH FROM BUS 243120 TO BUS 243139 CKT 1 END	/ 243120 05SUNNNY 138 243139 05WAGENH 138 1
CONTINGENCY '5190_B2_TOR757'	
OPEN BRANCH FROM BUS 243776 TO BUS 243778 CKT 1 END	/ 243776 05S.TIMK 138 243778 05TIMKIN 138 1
CONTINGENCY '5191_B2_TOR758_WOMOAB'	
OPEN BRANCH FROM BUS 245151 TO BUS 243032 CKT 1	/ 245151 MALVRNEQ 999 243032 05MALVER 138 1
OPEN BRANCH FROM BUS 245151 TO BUS 245149 CKT 1	/ 245151 MALVRNEQ 999 245149 MALVERN 69.0 1
OPEN BRANCH FROM BUS 245151 TO BUS 245147 CKT 1	/ 245151 MALVRNEQ 999 245147 MALVERN 12.0 1
OPEN BRANCH FROM BUS 242966 TO BUS 242994 CKT 1	/ 242966 05BROADA 138 242994 05EAMSTD 138 1
OPEN BRANCH FROM BUS 242966 TO BUS 243127 CKT 1	/ 242966 05BROADA 138 243127 05TIDD 138 1
OPEN BRANCH FROM BUS 242994 TO BUS 243032 CKT 1	/ 242994 05EAMSTD 138 243032 05MALVER 138 1
OPEN BRANCH FROM BUS 243032 TO BUS 243139 CKT 1	/ 243032 05MALVER 138 243139 05WAGENH 138 1
OPEN BRANCH FROM BUS 242994 TO BUS 244986 CKT 1	/ 242994 05EAMSTD 138 244986 E AMSTDA 69.0 1
OPEN BRANCH FROM BUS 243032 TO BUS 245148 CKT 1	/ 243032 05MALVER 138 245148 MALVERN 23.0 1
OPEN BRANCH FROM BUS 242966 TO BUS 245034 CKT 1	/ 242966 05BROADA 138 245034 BROADACL 12.0 1
OPEN BRANCH FROM BUS 245079 TO BUS 244986 CKT 1	/ 245079 CIRCLGSS 69.0 244986 E AMSTDA 69.0 1
OPEN BRANCH FROM BUS 244986 TO BUS 244989 CKT 1	/ 244986 E AMSTDA 69.0 244989 WOLFRNSS 69.0 1
OPEN BRANCH FROM BUS 245149 TO BUS 245154 CKT 1	/ 245149 MALVERN 69.0 245154 MOHAWK 8 69.0 1
OPEN BRANCH FROM BUS 245148 TO BUS 245168 CKT 1 END	/ 245148 MALVERN 23.0 245168 SANDY VL 23.0 1
CONTINGENCY '5192_B2_TOR758A_MOAB'	
OPEN BRANCH FROM BUS 245151 TO BUS 243032 CKT 1	/ 245151 MALVRNEQ 999 243032 05MALVER 138 1
OPEN BRANCH FROM BUS 245151 TO BUS 245149 CKT 1	/ 245151 MALVRNEQ 999 245149 MALVERN 69.0 1
OPEN BRANCH FROM BUS 245151 TO BUS 245147 CKT 1	/ 245151 MALVRNEQ 999 245147 MALVERN 12.0 1
OPEN BRANCH FROM BUS 242994 TO BUS 243032 CKT 1	/ 242994 05EAMSTD 138 243032 05MALVER 138 1
OPEN BRANCH FROM BUS 243032 TO BUS 243139 CKT 1	/ 243032 05MALVER 138 243139 05WAGENH 138 1
OPEN BRANCH FROM BUS 243032 TO BUS 245148 CKT 1	/ 243032 05MALVER 138 245148 MALVERN 23.0 1
OPEN BRANCH FROM BUS 245149 TO BUS 245154 CKT 1	/ 245149 MALVERN 69.0 245154 MOHAWK 8 69.0 1
OPEN BRANCH FROM BUS 245148 TO BUS 245168 CKT 1 END	/ 245148 MALVERN 23.0 245168 SANDY VL 23.0 1
CONTINGENCY '5193_B2_TOR758B_MOAB'	
OPEN BRANCH FROM BUS 242966 TO BUS 242994 CKT 1	/ 242966 05BROADA 138 242994 05EAMSTD 138 1
OPEN BRANCH FROM BUS 242966 TO BUS 243127 CKT 1	/ 242966 05BROADA 138 243127 05TIDD 138 1
OPEN BRANCH FROM BUS 242966 TO BUS 245034 CKT 1 END	/ 242966 05BROADA 138 245034 BROADACL 12.0 1
CONTINGENCY '5194_B2_TOR759'	
OPEN BRANCH FROM BUS 243127 TO BUS 243779 CKT 1 END	/ 243127 05TIDD 138 243779 05WHELGS 138 1
CONTINGENCY '5195_B2_TOR760'	
OPEN BRANCH FROM BUS 243127 TO BUS 243779 CKT 2	/ 243127 05TIDD 138 243779 05WHELGS 138 2

END
CONTINGENCY '5199_B2_TOR762_WOMOAB'
OPEN BRANCH FROM BUS 245159 TO BUS 243052 CKT 1 / 245159 NECANTEQ 999 243052 05NECANT 138 1
OPEN BRANCH FROM BUS 245159 TO BUS 245158 CKT 1 / 245159 NECANTEQ 999 245158 N E CANT 69.0 1
OPEN BRANCH FROM BUS 245159 TO BUS 245157 CKT 1 / 245159 NECANTEQ 999 245157 N E CANT 12.0 1
OPEN BRANCH FROM BUS 243052 TO BUS 243072 CKT 1 / 243052 05NECANT 138 243072 05PACKRD 138 1
OPEN BRANCH FROM BUS 243052 TO BUS 243139 CKT 1 / 243052 05NECANT 138 243139 05WAGENH 138 1
OPEN BRANCH FROM BUS 243072 TO BUS 243134 CKT 1 / 243072 05PACKRD 138 243134 05W CANT 138 1
OPEN BRANCH FROM BUS 243072 TO BUS 245155 CKT 1 / 243072 05PACKRD 138 245155 PACKARDL 12.0 1
OPEN BRANCH FROM BUS 245120 TO BUS 245158 CKT 1 / 245120 CRYSTL P 69.0 245158 N E CANT 69.0 1
OPEN BRANCH FROM BUS 245121 TO BUS 245158 CKT 1 / 245121 DIA PORT 69.0 245158 N E CANT 69.0 1
OPEN BRANCH FROM BUS 245158 TO BUS 245160 CKT 1 / 245158 N E CANT 69.0 245160 OAKWOD R 69.0 1
END
CONTINGENCY '5200_B2_TOR762A_MOAB'
OPEN BRANCH FROM BUS 243052 TO BUS 243072 CKT 1 / 243052 05NECANT 138 243072 05PACKRD 138 1
OPEN BRANCH FROM BUS 243072 TO BUS 243134 CKT 1 / 243072 05PACKRD 138 243134 05W CANT 138 1
OPEN BRANCH FROM BUS 243072 TO BUS 245155 CKT 1 / 243072 05PACKRD 138 245155 PACKARDL 12.0 1
END
CONTINGENCY '5201_B2_TOR762B_MOAB'
OPEN BRANCH FROM BUS 243052 TO BUS 243139 CKT 1 / 243052 05NECANT 138 243139 05WAGENH 138 1
END
CONTINGENCY '5724_B2_TOR766_WOMOAB'
OPEN BRANCH FROM BUS 243089 TO BUS 243149 CKT 1 / 243089 05SBALTM 138 243149 05WLANCS 138 1
OPEN BRANCH FROM BUS 243089 TO BUS 243150 CKT 1 / 243089 05SBALTM 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243089 TO BUS 245596 CKT 1 / 243089 05SBALTM 138 245596 SO BALTI 69.0 1
OPEN BRANCH FROM BUS 247025 TO BUS 245596 CKT 1 / 247025 BALTIMOZ 69.0 245596 SO BALTI 69.0 1
END
CONTINGENCY '5725_B2_TOR766A_MOAB'
OPEN BRANCH FROM BUS 243089 TO BUS 243149 CKT 1 / 243089 05SBALTM 138 243149 05WLANCS 138 1
END
CONTINGENCY '5726_B2_TOR766B_MOAB'
OPEN BRANCH FROM BUS 243089 TO BUS 243150 CKT 1 / 243089 05SBALTM 138 243150 05WMILLP 138 1
END
CONTINGENCY '5727_B2_TOR767'
OPEN BRANCH FROM BUS 243025 TO BUS 243149 CKT 1 / 243025 05JUNCTN 138 243149 05WLANCS 138 1
OPEN BRANCH FROM BUS 243025 TO BUS 243161 CKT 1 / 243025 05JUNCTN 138 243161 05ZANESV 138 1
OPEN BRANCH FROM BUS 243025 TO BUS 245391 CKT Z1 / 243025 05JUNCTN 138 245391 JUNCTCT8 12.0 Z1
END
CONTINGENCY '5210_B2_TOR771'
OPEN BRANCH FROM BUS 243300 TO BUS 243014 CKT 1 / 243300 05GRABIL 138 243014 05GRBLOP 138 1
OPEN BRANCH FROM BUS 243014 TO BUS 243366 CKT 1 / 243014 05GRBLOP 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243014 TO BUS 243086 CKT 1 / 243014 05GRBLOP 138 243086 05S HICK 138 1
OPEN BRANCH FROM BUS 243029 TO BUS 243086 CKT 1 / 243029 05LCKWRD 138 243086 05S HICK 138 1
OPEN BRANCH FROM BUS 243086 TO BUS 243179 CKT 1 / 243086 05S HICK 138 243179 S HICKSV 69.0 1
OPEN BRANCH FROM BUS 243300 TO BUS 246195 CKT 1 / 243300 05GRABIL 138 246195 GRABIL L 12.0 1
END
CONTINGENCY '5213_B2_TOR773'
OPEN BRANCH FROM BUS 243012 TO BUS 243026 CKT 1 / 243012 05G WASH 138 243026 05KAMMR1 138 1
END
CONTINGENCY '5214_B2_TOR774_WOMOAB'
OPEN BRANCH FROM BUS 242958 TO BUS 243133 CKT 1 / 242958 05BATTLE 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243138 CKT 1 / 242958 05BATTLE 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1 / 242961 05BIGGRC 138 246945 05BIGR1Z 138 Z1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1 / 246945 05BIGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1 / 246945 05BIGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 243127 TO BUS 243138 CKT 1 / 243127 05TIDD 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 245952 CKT Z1 / 242958 05BATTLE 138 245952 BATTTLERL 12.0 Z1
OPEN BRANCH FROM BUS 243133 TO BUS 245946 CKT 1 / 243133 05VALLEY 138 245946 VALLEY L 12.0 1
OPEN BRANCH FROM BUS 243138 TO BUS 245948 CKT 1 / 243138 05W.LIBE 138 245948 WLIBRT L 12.0 1
END
CONTINGENCY '5215_B2_TOR774A_MOAB'

OPEN BRANCH FROM BUS 242958 TO BUS 243133 CKT 1	/ 242958 05BATTLE 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243138 CKT 1	/ 242958 05BATTLE 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 243127 TO BUS 243138 CKT 1	/ 243127 05TIDD 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 245952 CKT Z1	/ 242958 05BATTLE 138 245952 BATTLERL 12.0 Z1
OPEN BRANCH FROM BUS 243138 TO BUS 245948 CKT 1	/ 243138 05W.LIBE 138 245948 WLIBRT L 12.0 1
END	
CONTINGENCY '5216_B2_TOR774B_MOAB'	
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BGR1Z 138 Z1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BGR1Z 138 243133 05VALLEY 138 1
END	
CONTINGENCY '7706_B2_TOR775'	
OPEN BRANCH FROM BUS 243026 TO BUS 243049 CKT 1	/ 243026 05KAMMR1 138 243049 05NATRIU 138 1
END	
CONTINGENCY '5218_B2_TOR777_WOMOAB'	
OPEN BRANCH FROM BUS 242956 TO BUS 242977 CKT 1	/ 242956 05BALLHL 138 242977 05CALDWE 138 1
OPEN BRANCH FROM BUS 242956 TO BUS 243119 CKT 1	/ 242956 05BALLHL 138 243119 05SUMRTZ 138 1
OPEN BRANCH FROM BUS 242977 TO BUS 243045 CKT 1	/ 242977 05CALDWE 138 243045 05MUSKNG 138 1
OPEN BRANCH FROM BUS 243049 TO BUS 243119 CKT 1	/ 243049 05NATRIU 138 243119 05SUMRTZ 138 1
OPEN BRANCH FROM BUS 243106 TO BUS 243119 CKT 1	/ 243106 05SOMERT 138 243119 05SUMRTZ 138 1
OPEN BRANCH FROM BUS 243106 TO BUS 245017 CKT 1	/ 243106 05SOMERT 138 245017 SOMERTON 69.0 1
OPEN BRANCH FROM BUS 242977 TO BUS 245441 CKT 1	/ 242977 05CALDWE 138 245441 CALDWELL 34.5 1
OPEN BRANCH FROM BUS 242956 TO BUS 245449 CKT Z1	/ 242956 05BALLHL 138 245449 BALLHOL8 12.0 Z1
OPEN BRANCH FROM BUS 242977 TO BUS 245440 CKT 1	/ 242977 05CALDWE 138 245440 CALDWELL 12.0 1
OPEN BRANCH FROM BUS 245028 TO BUS 245017 CKT 1	/ 245028 CAPTINA8 69.0 245017 SOMERTON 69.0 1
OPEN BRANCH FROM BUS 245017 TO BUS 245018 CKT 1	/ 245017 SOMERTON 69.0 245018 SPEIDEL 69.0 1
END	
CONTINGENCY '5219_B2_TOR777A_MOAB'	
OPEN BRANCH FROM BUS 242956 TO BUS 242977 CKT 1	/ 242956 05BALLHL 138 242977 05CALDWE 138 1
OPEN BRANCH FROM BUS 242956 TO BUS 243119 CKT 1	/ 242956 05BALLHL 138 243119 05SUMRTZ 138 1
OPEN BRANCH FROM BUS 243049 TO BUS 243119 CKT 1	/ 243049 05NATRIU 138 243119 05SUMRTZ 138 1
OPEN BRANCH FROM BUS 243106 TO BUS 243119 CKT 1	/ 243106 05SOMERT 138 243119 05SUMRTZ 138 1
OPEN BRANCH FROM BUS 243106 TO BUS 245017 CKT 1	/ 243106 05SOMERT 138 245017 SOMERTON 69.0 1
OPEN BRANCH FROM BUS 242956 TO BUS 245449 CKT Z1	/ 242956 05BALLHL 138 245449 BALLHOL8 12.0 Z1
OPEN BRANCH FROM BUS 245028 TO BUS 245017 CKT 1	/ 245028 CAPTINA8 69.0 245017 SOMERTON 69.0 1
OPEN BRANCH FROM BUS 245017 TO BUS 245018 CKT 1	/ 245017 SOMERTON 69.0 245018 SPEIDEL 69.0 1
END	
CONTINGENCY '5220_B2_TOR777B_MOAB'	
OPEN BRANCH FROM BUS 242977 TO BUS 243045 CKT 1	/ 242977 05CALDWE 138 243045 05MUSKNG 138 1
END	
CONTINGENCY '5221_B2_TOR778'	
OPEN BRANCH FROM BUS 243049 TO BUS 243123 CKT 1	/ 243049 05NATRIU 138 243123 05SWITZE 138 1
OPEN BRANCH FROM BUS 243118 TO BUS 243123 CKT 1	/ 243118 05SUMMER 138 243123 05SWITZE 138 1
OPEN BRANCH FROM BUS 243123 TO BUS 245099 CKT 1	/ 243123 05SWITZE 138 245099 SWITZER 69.0 1
END	
CONTINGENCY '5805_B2_TOR811'	
OPEN BRANCH FROM BUS 243499 TO BUS 243566 CKT 1	/ 243499 05DUBLIN 138 243566 05SAWMIL 138 1
END	
CONTINGENCY '8562_B2_TOR1437_WOMOAB'	
OPEN BRANCH FROM BUS 242932 TO BUS 242944 CKT 1	/ 242932 05CANTNC 345 242944 05SECANT 345 1
OPEN BRANCH FROM BUS 242944 TO BUS 243097 CKT 1	/ 242944 05SECANT 345 243097 05SECANT 138 1
END	
CONTINGENCY '360_B2_TOR1679'	
OPEN BRANCH FROM BUS 243206 TO BUS 243207 CKT 1	/ 243206 05DUMONT 765 243207 05GRNTWN 765 1
END	
CONTINGENCY '362_B2_TOR1680'	
OPEN BRANCH FROM BUS 243207 TO BUS 243208 CKT 1	/ 243207 05GRNTWN 765 243208 05JEFRSO 765 1
END	
CONTINGENCY '363_B2_TOR1682'	
OPEN BRANCH FROM BUS 243208 TO BUS 243209 CKT 1	/ 243208 05JEFRSO 765 243209 05ROCKPT 765 1
END	

CONTINGENCY '16_B2_TOR1683'	
OPEN BRANCH FROM BUS 243209 TO BUS 243210 CKT 1	/ 243209 05ROCKPT 765 243210 05SULLVA 765 1
END	
CONTINGENCY '358_B2_TOR1684'	
OPEN BRANCH FROM BUS 243205 TO BUS 243206 CKT 1	/ 243205 05COOK 765 243206 05DUMONT 765 1
END	
CONTINGENCY '1242_B2_TOR1689A'	
OPEN BRANCH FROM BUS 243212 TO BUS 243215 CKT 1	/ 243212 05BENTON 345 243215 05COOK 345 1
END	
CONTINGENCY '667_B2_TOR1697'	
OPEN BRANCH FROM BUS 243213 TO BUS 243217 CKT 1	/ 243213 05BREED 345 243217 05DEQUIN 345 1
END	
CONTINGENCY '8701_B2_TOR1700A'	
OPEN BRANCH FROM BUS 243218 TO BUS 247508 CKT 1	/ 243218 05DESOTO 345 247508 U2-090 C 345 1
END	
CONTINGENCY '703_B2_TOR1703'	
OPEN BRANCH FROM BUS 243219 TO BUS 243234 CKT 1	/ 243219 05DUMONT 345 243234 05TWIN B 345 1
END	
CONTINGENCY '704_B2_TOR1704'	
OPEN BRANCH FROM BUS 243219 TO BUS 243234 CKT 2	/ 243219 05DUMONT 345 243234 05TWIN B 345 2
END	
CONTINGENCY '3193_B2_TOR1705'	
OPEN BRANCH FROM BUS 243219 TO BUS 243232 CKT 1	/ 243219 05DUMONT 345 243232 05SORENS 345 1
END	
CONTINGENCY '666_B2_TOR1706'	
OPEN BRANCH FROM BUS 243211 TO BUS 243231 CKT 1	/ 243211 05ALLEN 345 243231 05ROB PK 345 1
END	
CONTINGENCY '7481_B2_TOR1707'	
OPEN BRANCH FROM BUS 243211 TO BUS 243232 CKT 1	/ 243211 05ALLEN 345 243232 05SORENS 345 1
END	
CONTINGENCY '2883_B2_TOR1708A_WOMOAB'	
OPEN BRANCH FROM BUS 243214 TO BUS 243231 CKT 1	/ 243214 05COLNGW 345 243231 05ROB PK 345 1
OPEN BRANCH FROM BUS 243214 TO BUS 243784 CKT 1	/ 243214 05COLNGW 345 243784 05S.BTLR 345 1
END	
CONTINGENCY '6285_B2_TOR1708A_MOAB'	
OPEN BRANCH FROM BUS 243214 TO BUS 243231 CKT 1	/ 243214 05COLNGW 345 243231 05ROB PK 345 1
END	
CONTINGENCY '672_B2_TOR1713'	
OPEN BRANCH FROM BUS 243217 TO BUS 243221 CKT 1	/ 243217 05DEQUIN 345 243221 05EUGENE 345 1
END	
CONTINGENCY '673_B2_TOR1714'	
OPEN BRANCH FROM BUS 243218 TO BUS 243222 CKT 1	/ 243218 05DESOTO 345 243222 05FALL C 345 1
END	
CONTINGENCY '671_B2_TOR1715'	
OPEN BRANCH FROM BUS 243215 TO BUS 243229 CKT 1	/ 243215 05COOK 345 243229 05OLIVE 345 1
END	
CONTINGENCY '1249_B2_TOR1716A'	
OPEN BRANCH FROM BUS 243215 TO BUS 243224 CKT 1	/ 243215 05COOK 345 243224 05KENZIE 345 1
END	
CONTINGENCY '1253_B2_TOR1716B'	
OPEN BRANCH FROM BUS 243224 TO BUS 243234 CKT 1	/ 243224 05KENZIE 345 243234 05TWIN B 345 1
END	
CONTINGENCY '25_B2_TOR1717_WOMOAB'	
OPEN BRANCH FROM BUS 243215 TO BUS 243223 CKT 1	/ 243215 05COOK 345 243223 05JACKSR 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243234 CKT 1	/ 243223 05JACKSR 345 243234 05TWIN B 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243318 CKT 3	/ 243223 05JACKSR 345 243318 05JACKSR 138 3
END	
CONTINGENCY '1246_B2_TOR1717A_MOAB'	
OPEN BRANCH FROM BUS 243215 TO BUS 243223 CKT 1	/ 243215 05COOK 345 243223 05JACKSR 345 1
END	
CONTINGENCY '1252_B2_TOR1717B_MOAB'	

OPEN BRANCH FROM BUS 243223 TO BUS 243234 CKT 1 END	/ 243223 05JACKSR 345 243234 05TWIN B 345 1
CONTINGENCY '5501_B2_TOR1726'	
OPEN BRANCH FROM BUS 243370 TO BUS 243385 CKT 1	/ 243370 05S BEND 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243385 TO BUS 246411 CKT 1 END	/ 243385 05TWIN B 138 246411 TWINBR L 12.0 1
CONTINGENCY '5505_B2_TOR1728_WOMOAB'	
OPEN BRANCH FROM BUS 246232 TO BUS 243237 CKT 1	/ 246232 ADAMS1EQ 999 243237 05ADAM 138 1
OPEN BRANCH FROM BUS 246232 TO BUS 246231 CKT 1	/ 246232 ADAMS1EQ 999 246231 ADAMS- 69.0 1
OPEN BRANCH FROM BUS 246232 TO BUS 246230 CKT 1	/ 246232 ADAMS1EQ 999 246230 ADAMS 34.5 1
OPEN BRANCH FROM BUS 243237 TO BUS 243334 CKT 1	/ 243237 05ADAM 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243237 TO BUS 243358 CKT 1	/ 243237 05ADAM 138 243358 05PENNV 138 1
OPEN BRANCH FROM BUS 243319 TO BUS 243358 CKT 1	/ 243319 05JAY 138 243358 05PENNV 138 1
OPEN BRANCH FROM BUS 243358 TO BUS 246021 CKT 1 END	/ 243358 05PENNV 138 246021 PENNV L 12.0 1
CONTINGENCY '8004_B2_TOR1728A_MOAB'	
OPEN BRANCH FROM BUS 243237 TO BUS 243358 CKT 1	/ 243237 05ADAM 138 243358 05PENNV 138 1
OPEN BRANCH FROM BUS 243319 TO BUS 243358 CKT 1	/ 243319 05JAY 138 243358 05PENNV 138 1
OPEN BRANCH FROM BUS 243358 TO BUS 246021 CKT 1 END	/ 243358 05PENNV 138 246021 PENNV L 12.0 1
CONTINGENCY '5506_B2_TOR1729_WOMOAB'	
OPEN BRANCH FROM BUS 243241 TO BUS 243288 CKT 1	/ 243241 05ALBION 138 243288 05EGE 138 1
OPEN BRANCH FROM BUS 243284 TO BUS 243314 CKT 1	/ 243284 05DUPONT 138 243314 05HUNTR8 138 1
OPEN BRANCH FROM BUS 243284 TO BUS 243366 CKT 1	/ 243284 05DUPONT 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243288 TO BUS 243326 CKT 1	/ 243288 05EGE 138 243326 05LAOTTO 138 1
OPEN BRANCH FROM BUS 243314 TO BUS 243326 CKT 1	/ 243314 05HUNTR8 138 243326 05LAOTTO 138 1
OPEN BRANCH FROM BUS 243284 TO BUS 246172 CKT 1	/ 243284 05DUPONT 138 246172 DUPONT 8 12.0 1
OPEN BRANCH FROM BUS 243284 TO BUS 246172 CKT 2	/ 243284 05DUPONT 138 246172 DUPONT 8 12.0 2
OPEN BRANCH FROM BUS 243288 TO BUS 246191 CKT 1	/ 243288 05EGE 138 246191 EGE L 12.0 1
OPEN BRANCH FROM BUS 243314 TO BUS 246227 CKT Z1	/ 243314 05HUNTR8 138 246227 HUNTERTL 12.0 Z1
OPEN BRANCH FROM BUS 243326 TO BUS 246221 CKT 1 END	/ 243326 05LAOTTO 138 246221 LAOTTO 8 12.0 1
CONTINGENCY '5507_B2_TOR1729A_MOAB'	
OPEN BRANCH FROM BUS 243241 TO BUS 243288 CKT 1	/ 243241 05ALBION 138 243288 05EGE 138 1
OPEN BRANCH FROM BUS 243288 TO BUS 243326 CKT 1	/ 243288 05EGE 138 243326 05LAOTTO 138 1
OPEN BRANCH FROM BUS 243314 TO BUS 243326 CKT 1	/ 243314 05HUNTR8 138 243326 05LAOTTO 138 1
OPEN BRANCH FROM BUS 243288 TO BUS 246191 CKT 1	/ 243288 05EGE 138 246191 EGE L 12.0 1
OPEN BRANCH FROM BUS 243326 TO BUS 246221 CKT 1 END	/ 243326 05LAOTTO 138 246221 LAOTTO 8 12.0 1
CONTINGENCY '5508_B2_TOR1729B_MOAB'	
OPEN BRANCH FROM BUS 243284 TO BUS 243314 CKT 1	/ 243284 05DUPONT 138 243314 05HUNTR8 138 1
OPEN BRANCH FROM BUS 243284 TO BUS 243366 CKT 1	/ 243284 05DUPONT 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243284 TO BUS 246172 CKT 1	/ 243284 05DUPONT 138 246172 DUPONT 8 12.0 1
OPEN BRANCH FROM BUS 243284 TO BUS 246172 CKT 2 END	/ 243284 05DUPONT 138 246172 DUPONT 8 12.0 2
CONTINGENCY '5509_B2_TOR1730_WOMOAB'	
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1	/ 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 243329 CKT 1	/ 243254 05BURNWO 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243266 CKT 1	/ 243264 05CONCOR 138 243266 05COUNTR 138 1
OPEN BRANCH FROM BUS 243266 TO BUS 243329 CKT 1	/ 243266 05COUNTR 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 246229 CKT Z1	/ 243254 05BURNWO 138 246229 BURNWRTH 12.0 Z1
OPEN BRANCH FROM BUS 243266 TO BUS 246388 CKT 1	/ 243266 05COUNTR 138 246388 COUNTRYS 12.0 1
OPEN BRANCH FROM BUS 243329 TO BUS 246202 CKT 1 END	/ 243329 05LIGONE 138 246202 LIGONR L 12.0 1
CONTINGENCY '5510_B2_TOR1730A_MOAB'	
OPEN BRANCH FROM BUS 243264 TO BUS 243266 CKT 1 END	/ 243264 05CONCOR 138 243266 05COUNTR 138 1
CONTINGENCY '5511_B2_TOR1730B_MOAB'	
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1	/ 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 243329 CKT 1	/ 243254 05BURNWO 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243266 TO BUS 243329 CKT 1	/ 243266 05COUNTR 138 243329 05LIGONE 138 1

OPEN BRANCH FROM BUS 243254 TO BUS 246229 CKT Z1	/ 243254 05BURNWO 138 246229 BURNWRTH 12.0 Z1
OPEN BRANCH FROM BUS 243329 TO BUS 246202 CKT 1	/ 243329 05LIGONE 138 246202 LIGONR L 12.0 1
END	
CONTINGENCY '5512_B2_TOR1731'	
OPEN BRANCH FROM BUS 243263 TO BUS 243361 CKT 1	/ 243263 05COLUMB 138 243361 05RABER 138 1
OPEN BRANCH FROM BUS 243361 TO BUS 243372 CKT 1	/ 243361 05RABER 138 243372 05SATURN 138 1
OPEN BRANCH FROM BUS 243372 TO BUS 243377 CKT 1	/ 243372 05SATURN 138 243377 05SORENS 138 1
OPEN BRANCH FROM BUS 243263 TO BUS 246277 CKT 1	/ 243263 05COLUMB 138 246277 COLUMBI1 34.5 1
OPEN BRANCH FROM BUS 243361 TO BUS 246297 CKT 1	/ 243361 05RABER 138 246297 COESSE 8 12.0 1
OPEN BRANCH FROM BUS 243372 TO BUS 246283 CKT Z1	/ 243372 05SATURN 138 246283 INDIANC8 12.0 Z1
OPEN BRANCH FROM BUS 246277 TO BUS 246295 CKT 1	/ 246277 COLUMBI1 34.5 246295 WHITLEY 34.5 1
END	
CONTINGENCY '5513_B2_TOR1733_WOMOAB'	
OPEN BRANCH FROM BUS 246124 TO BUS 243309 CKT 1	/ 246124 HILLCREQ 999 243309 05HILLCR 138 1
OPEN BRANCH FROM BUS 246124 TO BUS 246242 CKT 1	/ 246124 HILLCREQ 999 246242 HILLCRES 69.0 1
OPEN BRANCH FROM BUS 246124 TO BUS 246125 CKT 1	/ 246124 HILLCREQ 999 246125 HILLCRES 34.5 1
OPEN BRANCH FROM BUS 243242 TO BUS 243391 CKT 1	/ 243242 05ALLEN 138 243391 05WAYNET 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 243391 CKT 1	/ 243309 05HILLCR 138 243391 05WAYNET 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 246123 CKT 2	/ 243309 05HILLCR 138 246123 HILLCR L 12.0 2
OPEN BRANCH FROM BUS 243391 TO BUS 246167 CKT 1	/ 243391 05WAYNET 138 246167 WAYNET L 12.0 1
OPEN BRANCH FROM BUS 246240 TO BUS 246242 CKT 1	/ 246240 FERGUSON 69.0 246242 HILLCRES 69.0 1
OPEN BRANCH FROM BUS 246242 TO BUS 246246 CKT 1	/ 246242 HILLCRES 69.0 246246 KINNERK8 69.0 1
OPEN BRANCH FROM BUS 246125 TO BUS 246150 CKT 1	/ 246125 HILLCRES 34.5 246150 PETTIT 34.5 1
END	
CONTINGENCY '5514_B2_TOR1733A_MOAB'	
OPEN BRANCH FROM BUS 246124 TO BUS 243309 CKT 1	/ 246124 HILLCREQ 999 243309 05HILLCR 138 1
OPEN BRANCH FROM BUS 246124 TO BUS 246242 CKT 1	/ 246124 HILLCREQ 999 246242 HILLCRES 69.0 1
OPEN BRANCH FROM BUS 246124 TO BUS 246125 CKT 1	/ 246124 HILLCREQ 999 246125 HILLCRES 34.5 1
OPEN BRANCH FROM BUS 243309 TO BUS 243391 CKT 1	/ 243309 05HILLCR 138 243391 05WAYNET 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 246123 CKT 2	/ 243309 05HILLCR 138 246123 HILLCR L 12.0 2
OPEN BRANCH FROM BUS 246240 TO BUS 246242 CKT 1	/ 246240 FERGUSON 69.0 246242 HILLCRES 69.0 1
OPEN BRANCH FROM BUS 246242 TO BUS 246246 CKT 1	/ 246242 HILLCRES 69.0 246246 KINNERK8 69.0 1
OPEN BRANCH FROM BUS 246125 TO BUS 246150 CKT 1	/ 246125 HILLCRES 34.5 246150 PETTIT 34.5 1
END	
CONTINGENCY '5515_B2_TOR1733B_MOAB'	
OPEN BRANCH FROM BUS 243242 TO BUS 243391 CKT 1	/ 243242 05ALLEN 138 243391 05WAYNET 138 1
END	
CONTINGENCY '5516_B2_TOR1734_WOMOAB'	
OPEN BRANCH FROM BUS 243309 TO BUS 243390 CKT 1	/ 243309 05HILLCR 138 243390 05WAYNED 138 1
OPEN BRANCH FROM BUS 243338 TO BUS 243390 CKT 1	/ 243338 05MCKINL 138 243390 05WAYNED 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 246123 CKT 1	/ 243309 05HILLCR 138 246123 HILLCR L 12.0 1
OPEN BRANCH FROM BUS 243390 TO BUS 246166 CKT 1	/ 243390 05WAYNED 138 246166 WAYNED L 12.0 1
END	
CONTINGENCY '5517_B2_TOR1734A_MOAB'	
OPEN BRANCH FROM BUS 243338 TO BUS 243390 CKT 1	/ 243338 05MCKINL 138 243390 05WAYNED 138 1
END	
CONTINGENCY '5518_B2_TOR1734B_MOAB'	
OPEN BRANCH FROM BUS 243309 TO BUS 243390 CKT 1	/ 243309 05HILLCR 138 243390 05WAYNED 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 246123 CKT 1	/ 243309 05HILLCR 138 246123 HILLCR L 12.0 1
END	
CONTINGENCY '5519_B2_TOR1735'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 1	/ 243242 05ALLEN 138 243330 05LINCOL 138 1
END	
CONTINGENCY '5520_B2_TOR1736'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 2	/ 243242 05ALLEN 138 243330 05LINCOL 138 2
END	
CONTINGENCY '5521_B2_TOR1737_WOMOAB'	
OPEN BRANCH FROM BUS 243244 TO BUS 243245 CKT 1	/ 243244 05ANTHY 138 243245 05ANTHYZ 138 1
OPEN BRANCH FROM BUS 243245 TO BUS 243330 CKT 1	/ 243245 05ANTHYZ 138 243330 05LINCOL 138 1
OPEN BRANCH FROM BUS 243245 TO BUS 243379 CKT 1	/ 243245 05ANTHYZ 138 243379 05STATES 138 1
OPEN BRANCH FROM BUS 243363 TO BUS 243366 CKT 1	/ 243363 05REED 138 243366 05ROB PK 138 1

OPEN BRANCH FROM BUS 243363 TO BUS 243384 CKT 1	/ 243363 05REED 138 243384 05TRIER 138 1
OPEN BRANCH FROM BUS 243379 TO BUS 243384 CKT 1	/ 243379 05STATES 138 243384 05TRIER 138 1
OPEN BRANCH FROM BUS 243244 TO BUS 246112 CKT 5	/ 243244 05ANTHY 138 246112 ANTHONY 34.5 5
OPEN BRANCH FROM BUS 243363 TO BUS 246154 CKT 1	/ 243363 05REED 138 246154 REED L 12.0 1
OPEN BRANCH FROM BUS 243379 TO BUS 246163 CKT 1	/ 243379 05STATES 138 246163 STATE L 12.0 1
OPEN BRANCH FROM BUS 243384 TO BUS 246170 CKT 1	/ 243384 05TRIER 138 246170 TRIER L 12.0 1
END	
CONTINGENCY '5522_B2_TOR1737A_MOAB'	
OPEN BRANCH FROM BUS 243363 TO BUS 243366 CKT 1	/ 243363 05REED 138 243366 05ROB PK 138 1
END	
CONTINGENCY '5523_B2_TOR1737B_MOAB'	
OPEN BRANCH FROM BUS 243363 TO BUS 243384 CKT 1	/ 243363 05REED 138 243384 05TRIER 138 1
OPEN BRANCH FROM BUS 243379 TO BUS 243384 CKT 1	/ 243379 05STATES 138 243384 05TRIER 138 1
OPEN BRANCH FROM BUS 243384 TO BUS 246170 CKT 1	/ 243384 05TRIER 138 246170 TRIER L 12.0 1
END	
CONTINGENCY '5524_B2_TOR1737C_MOAB'	
OPEN BRANCH FROM BUS 243244 TO BUS 243245 CKT 1	/ 243244 05ANTHY 138 243245 05ANTHYZ 138 1
OPEN BRANCH FROM BUS 243245 TO BUS 243330 CKT 1	/ 243245 05ANTHYZ 138 243330 05LINCOL 138 1
OPEN BRANCH FROM BUS 243245 TO BUS 243379 CKT 1	/ 243245 05ANTHYZ 138 243379 05STATES 138 1
OPEN BRANCH FROM BUS 243244 TO BUS 246112 CKT 5	/ 243244 05ANTHY 138 246112 ANTHONY 34.5 5
END	
CONTINGENCY '5525_B2_TOR1738'	
OPEN BRANCH FROM BUS 243298 TO BUS 243338 CKT 1	/ 243298 05GM-FTW 138 243338 05MCKINL 138 1
END	
CONTINGENCY '8504_B2_TOR1739'	
OPEN BRANCH FROM BUS 247132 TO BUS 243377 CKT 1	/ 247132 05ELLISN 138 243377 05SORENS 138 1
END	
CONTINGENCY '8353_B2_TOR1740_WOMOAB'	
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243366 CKT 1	/ 243305 05HACIEN 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 1	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 2	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 2
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '5528_B2_TOR1740A_MOAB'	
OPEN BRANCH FROM BUS 243305 TO BUS 243366 CKT 1	/ 243305 05HACIEN 138 243366 05ROB PK 138 1
END	
CONTINGENCY '8356_B2_TOR1740B_MOAB'	
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '5530_B2_TOR1741_WOMOAB'	
OPEN BRANCH FROM BUS 243279 TO BUS 243328 CKT 1	/ 243279 05DIAMND 138 243328 05LIGNR2 138 1
OPEN BRANCH FROM BUS 243279 TO BUS 243890 CKT 1	/ 243279 05DIAMND 138 243890 05WOODSR 138 1
OPEN BRANCH FROM BUS 243304 TO BUS 243328 CKT 1	/ 243304 05GUARDN 138 243328 05LIGNR2 138 1
OPEN BRANCH FROM BUS 243366 TO BUS 243890 CKT 1	/ 243366 05ROB PK 138 243890 05WOODSR 138 1
OPEN BRANCH FROM BUS 243279 TO BUS 246188 CKT 1	/ 243279 05DIAMND 138 246188 DIAMD L8 12.0 1
OPEN BRANCH FROM BUS 243328 TO BUS 246203 CKT 1	/ 243328 05LIGNR2 138 246203 LIGONR2L 12.0 1
OPEN BRANCH FROM BUS 243890 TO BUS 243891 CKT Z1	/ 243890 05WOODSR 138 243891 WOODSR L 12.0 Z1
END	
CONTINGENCY '6852_B2_TOR1741A_MOAB'	
OPEN BRANCH FROM BUS 243366 TO BUS 243890 CKT 1	/ 243366 05ROB PK 138 243890 05WOODSR 138 1
END	
CONTINGENCY '6853_B2_TOR1741B_MOAB'	
OPEN BRANCH FROM BUS 243279 TO BUS 243328 CKT 1	/ 243279 05DIAMND 138 243328 05LIGNR2 138 1
OPEN BRANCH FROM BUS 243279 TO BUS 243890 CKT 1	/ 243279 05DIAMND 138 243890 05WOODSR 138 1
OPEN BRANCH FROM BUS 243304 TO BUS 243328 CKT 1	/ 243304 05GUARDN 138 243328 05LIGNR2 138 1
OPEN BRANCH FROM BUS 243279 TO BUS 246188 CKT 1	/ 243279 05DIAMND 138 246188 DIAMD L8 12.0 1
OPEN BRANCH FROM BUS 243328 TO BUS 246203 CKT 1	/ 243328 05LIGNR2 138 246203 LIGONR2L 12.0 1

END	
CONTINGENCY '5535_B2_TOR1743_WOMOAB'	
OPEN BRANCH FROM BUS 243274 TO BUS 243343 CKT 1	/ 243274 05DEERCR 138 243343 05MISSIS 138 1
OPEN BRANCH FROM BUS 243278 TO BUS 243296 CKT 1	/ 243278 05DESOTO 138 243296 05GASTON 138 1
OPEN BRANCH FROM BUS 243296 TO BUS 243343 CKT 1	/ 243296 05GASTON 138 243343 05MISSIS 138 1
OPEN BRANCH FROM BUS 243296 TO BUS 246043 CKT 1	/ 243296 05GASTON 138 246043 GASTON L 12.0 1
OPEN BRANCH FROM BUS 243343 TO BUS 245964 CKT 3	/ 243343 05MISSIS 138 245964 MISSISL 12.0 3
OPEN BRANCH FROM BUS 243343 TO BUS 245964 CKT Z1	/ 243343 05MISSIS 138 245964 MISSISL 12.0 Z1
OPEN BRANCH FROM BUS 243343 TO BUS 245964 CKT Z2	/ 243343 05MISSIS 138 245964 MISSISL 12.0 Z2
END	
CONTINGENCY '5536_B2_TOR1743A_MOAB'	
OPEN BRANCH FROM BUS 243274 TO BUS 243343 CKT 1	/ 243274 05DEERCR 138 243343 05MISSIS 138 1
END	
CONTINGENCY '5537_B2_TOR1743B_MOAB'	
OPEN BRANCH FROM BUS 243278 TO BUS 243296 CKT 1	/ 243278 05DESOTO 138 243296 05GASTON 138 1
OPEN BRANCH FROM BUS 243296 TO BUS 243343 CKT 1	/ 243296 05GASTON 138 243343 05MISSIS 138 1
OPEN BRANCH FROM BUS 243296 TO BUS 246043 CKT 1	/ 243296 05GASTON 138 246043 GASTON L 12.0 1
END	
CONTINGENCY '5539_B2_TOR1745_WOMOAB'	
OPEN BRANCH FROM BUS 243274 TO BUS 246968 CKT 1	/ 243274 05DEERCR 138 246968 05DOOVIL 138 1
OPEN BRANCH FROM BUS 246968 TO BUS 243312 CKT 1	/ 246968 05DOOVIL 138 243312 05HUMMEL 138 1
OPEN BRANCH FROM BUS 246968 TO BUS 246969 CKT Z1	/ 246968 05DOOVIL 138 246969 DOOVIL L 13.1 Z1
END	
CONTINGENCY '7695_B2_TOR1745A_MOAB'	
OPEN BRANCH FROM BUS 243274 TO BUS 246968 CKT 1	/ 243274 05DEERCR 138 246968 05DOOVIL 138 1
END	
CONTINGENCY '7696_B2_TOR1745B_MOAB'	
OPEN BRANCH FROM BUS 246968 TO BUS 243312 CKT 1	/ 246968 05DOOVIL 138 243312 05HUMMEL 138 1
END	
CONTINGENCY '5544_B2_TOR1749_WOMOAB'	
OPEN BRANCH FROM BUS 243275 TO BUS 243393 CKT 1	/ 243275 05DELAWR 138 243393 05WESDEL 138 1
OPEN BRANCH FROM BUS 243278 TO BUS 243369 CKT 1	/ 243278 05DESOTO 138 243369 05ROYERT 138 1
OPEN BRANCH FROM BUS 243369 TO BUS 243393 CKT 1	/ 243369 05ROYERT 138 243393 05WESDEL 138 1
OPEN BRANCH FROM BUS 243369 TO BUS 246060 CKT 1	/ 243369 05ROYERT 138 246060 ROYRTN L 12.0 1
OPEN BRANCH FROM BUS 243393 TO BUS 246066 CKT 1	/ 243393 05WESDEL 138 246066 WESDEL L 12.0 1
END	
CONTINGENCY '5545_B2_TOR1749A_MOAB'	
OPEN BRANCH FROM BUS 243275 TO BUS 243393 CKT 1	/ 243275 05DELAWR 138 243393 05WESDEL 138 1
END	
CONTINGENCY '5546_B2_TOR1749B_MOAB'	
OPEN BRANCH FROM BUS 243278 TO BUS 243369 CKT 1	/ 243278 05DESOTO 138 243369 05ROYERT 138 1
OPEN BRANCH FROM BUS 243369 TO BUS 243393 CKT 1	/ 243369 05ROYERT 138 243393 05WESDEL 138 1
OPEN BRANCH FROM BUS 243369 TO BUS 246060 CKT 1	/ 243369 05ROYERT 138 246060 ROYRTN L 12.0 1
END	
CONTINGENCY '5547_B2_TOR1751'	
OPEN BRANCH FROM BUS 243292 TO BUS 243357 CKT 1	/ 243292 05FALL C 138 243357 05PENDLE 138 1
END	
CONTINGENCY '5548_B2_TOR1752_WOMOAB'	
OPEN BRANCH FROM BUS 243276 TO BUS 243333 CKT 1	/ 243276 05DELCOR 138 243333 05MADISO 138 1
OPEN BRANCH FROM BUS 243276 TO BUS 246095 CKT 1	/ 243276 05DELCOR 138 246095 DR 5 L 13.0 1
END	
CONTINGENCY '5549_B2_TOR1752A_MOAB'	
OPEN BRANCH FROM BUS 243276 TO BUS 243333 CKT 1	/ 243276 05DELCOR 138 243333 05MADISO 138 1
END	
CONTINGENCY '5550_B2_TOR1753_WOMOAB'	
OPEN BRANCH FROM BUS 246055 TO BUS 243340 CKT 1	/ 246055 MEDFRDEQ 999 243340 05MEDFOR 138 1
OPEN BRANCH FROM BUS 246055 TO BUS 246054 CKT 1	/ 246055 MEDFRDEQ 999 246054 MEDFORD 69.0 1
OPEN BRANCH FROM BUS 246055 TO BUS 246053 CKT 1	/ 246055 MEDFRDEQ 999 246053 MEDFORD 34.5 1
OPEN BRANCH FROM BUS 243272 TO BUS 243333 CKT 1	/ 243272 05DALEVI 138 243333 05MADISO 138 1
OPEN BRANCH FROM BUS 243272 TO BUS 243340 CKT 1	/ 243272 05DALEVI 138 243340 05MEDFOR 138 1
OPEN BRANCH FROM BUS 243278 TO BUS 243340 CKT 1	/ 243278 05DESOTO 138 243340 05MEDFOR 138 1

OPEN BRANCH FROM BUS 243272 TO BUS 246035 CKT 1 END	/ 243272 05DALEVI 138 246035 DALEVL L 12.0 1
CONTINGENCY '5551_B2_TOR1753A_MOAB'	
OPEN BRANCH FROM BUS 243278 TO BUS 243340 CKT 1 END	/ 243278 05DESOTO 138 243340 05MEDFOR 138 1
CONTINGENCY '5552_B2_TOR1753B_MOAB'	
OPEN BRANCH FROM BUS 243272 TO BUS 243333 CKT 1	/ 243272 05DALEVI 138 243333 05MADISO 138 1
OPEN BRANCH FROM BUS 243272 TO BUS 243340 CKT 1	/ 243272 05DALEVI 138 243340 05MEDFOR 138 1
OPEN BRANCH FROM BUS 243272 TO BUS 246035 CKT 1 END	/ 243272 05DALEVI 138 246035 DALEVL L 12.0 1
CONTINGENCY '5553_B2_TOR1754'	
OPEN BRANCH FROM BUS 243292 TO BUS 243333 CKT 1 END	/ 243292 05FALL C 138 243333 05MADISO 138 1
CONTINGENCY '5554_B2_TOR1755_WOMOAB'	
OPEN BRANCH FROM BUS 243333 TO BUS 243339 CKT 1	/ 243333 05MADISO 138 243339 05MEADOW 138 1
OPEN BRANCH FROM BUS 243339 TO BUS 243357 CKT 1	/ 243339 05MEADOW 138 243357 05PENDLE 138 1
OPEN BRANCH FROM BUS 243339 TO BUS 243432 CKT 1	/ 243339 05MEADOW 138 243432 MEADOW 34.5 1
OPEN BRANCH FROM BUS 243419 TO BUS 243432 CKT 1	/ 243419 53RDST 34.5 243432 MEADOW 34.5 1
OPEN BRANCH FROM BUS 243421 TO BUS 243432 CKT 1 END	/ 243421 COLTAP 34.5 243432 MEADOW 34.5 1
CONTINGENCY '5555_B2_TOR1755A_MOAB'	
OPEN BRANCH FROM BUS 243339 TO BUS 243357 CKT 1 END	/ 243339 05MEADOW 138 243357 05PENDLE 138 1
CONTINGENCY '5556_B2_TOR1755B_MOAB'	
OPEN BRANCH FROM BUS 243333 TO BUS 243339 CKT 1 END	/ 243333 05MADISO 138 243339 05MEADOW 138 1
CONTINGENCY '5558_B2_TOR1757'	
OPEN BRANCH FROM BUS 243357 TO BUS 243382 CKT 1 END	/ 243357 05PENDLE 138 243382 05TANNER 138 1
CONTINGENCY '5563_B2_TOR1760'	
OPEN BRANCH FROM BUS 243335 TO BUS 243365 CKT 1 END	/ 243335 05MAIN S 138 243365 05RIVRSD 138 1
CONTINGENCY '5567_B2_TOR1762'	
OPEN BRANCH FROM BUS 243250 TO BUS 243271 CKT 1	/ 243250 05BENTON 138 243271 05CRYSTA 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 243308 CKT 1	/ 243271 05CRYSTA 138 243308 05HICKOR 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 246440 CKT 1 END	/ 243271 05CRYSTA 138 246440 CRYSTL L 12.0 1
CONTINGENCY '5568_B2_TOR1763'	
OPEN BRANCH FROM BUS 243250 TO BUS 243365 CKT 1 END	/ 243250 05BENTON 138 243365 05RIVRSD 138 1
CONTINGENCY '5569_B2_TOR1764'	
OPEN BRANCH FROM BUS 243307 TO BUS 243386 CKT 1 END	/ 243307 05HARTFO 138 243386 05VALLY 138 1
CONTINGENCY '5570_B2_TOR1765_WOMOAB'	
OPEN BRANCH FROM BUS 243308 TO BUS 243350 CKT 1	/ 243308 05HICKOR 138 243350 05NICKER 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243376 CKT 1	/ 243322 05KENZIE 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 243376 CKT 1	/ 243350 05NICKER 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 246475 CKT 1	/ 243350 05NICKER 138 246475 NICKER L 12.0 1
OPEN BRANCH FROM BUS 243376 TO BUS 246490 CKT 1 END	/ 243376 05SODUS 138 246490 SODUS L 12.0 1
CONTINGENCY '5571_B2_TOR1765A_MOAB'	
OPEN BRANCH FROM BUS 243308 TO BUS 243350 CKT 1	/ 243308 05HICKOR 138 243350 05NICKER 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 243376 CKT 1	/ 243350 05NICKER 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 246475 CKT 1	/ 243350 05NICKER 138 246475 NICKER L 12.0 1
OPEN BRANCH FROM BUS 243376 TO BUS 246490 CKT 1 END	/ 243376 05SODUS 138 246490 SODUS L 12.0 1
CONTINGENCY '5572_B2_TOR1765B_MOAB'	
OPEN BRANCH FROM BUS 243322 TO BUS 243376 CKT 1 END	/ 243322 05KENZIE 138 243376 05SODUS 138 1
CONTINGENCY '5573_B2_TOR1767'	
OPEN BRANCH FROM BUS 243322 TO BUS 243365 CKT 1	/ 243322 05KENZIE 138 243365 05RIVRSD 138 1

END	
CONTINGENCY '5574_B2_TOR1769_WOMOAB'	
OPEN BRANCH FROM BUS 243261 TO BUS 243322 CKT 1	/ 243261 05COLBY 138 243322 05KENZIE 138 1
OPEN BRANCH FROM BUS 243261 TO BUS 243386 CKT 1	/ 243261 05COLBY 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243261 TO BUS 243420 CKT 1	/ 243261 05COLBY 138 243420 COLBY 34.5 1
OPEN BRANCH FROM BUS 243261 TO BUS 246560 CKT 2	/ 243261 05COLBY 138 246560 COLBY L 12.0 2
END	
CONTINGENCY '5575_B2_TOR1769A_MOAB'	
OPEN BRANCH FROM BUS 243261 TO BUS 243386 CKT 1	/ 243261 05COLBY 138 243386 05VALLY 138 1
END	
CONTINGENCY '5576_B2_TOR1769B_MOAB'	
OPEN BRANCH FROM BUS 243261 TO BUS 243322 CKT 1	/ 243261 05COLBY 138 243322 05KENZIE 138 1
END	
CONTINGENCY '5577_B2_TOR1770'	
OPEN BRANCH FROM BUS 243203 TO BUS 243346 CKT 1	/ 243203 MOTTVLEQ 999 243346 05MOTTV 138 1
OPEN BRANCH FROM BUS 243203 TO BUS 246537 CKT 1	/ 243203 MOTTVLEQ 999 246537 MOTTVLE 69.0 1
OPEN BRANCH FROM BUS 243203 TO BUS 246536 CKT 1	/ 243203 MOTTVLEQ 999 246536 MOTTVILL 34.5 1
OPEN BRANCH FROM BUS 243265 TO BUS 243347 CKT 1	/ 243265 05COREY 138 243347 05MOTTVZ 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243347 CKT 1	/ 243287 05EELKHA 138 243347 05MOTTVZ 138 1
OPEN BRANCH FROM BUS 243346 TO BUS 243347 CKT 1	/ 243346 05MOTTV 138 243347 05MOTTVZ 138 1
END	
CONTINGENCY '5579_B2_TOR1771A_MOAB'	
OPEN BRANCH FROM BUS 243265 TO BUS 243299 CKT 1	/ 243265 05COREY 138 243299 05GMPLAN 138 1
END	
CONTINGENCY '5806_B2_TOR1983_WOMOAB'	
OPEN BRANCH FROM BUS 243469 TO BUS 243593 CKT 1	/ 243469 05BEATTY 138 243593 05ZUBER 138 1
OPEN BRANCH FROM BUS 243522 TO BUS 243593 CKT 1	/ 243522 05HARRIS 138 243593 05ZUBER 138 1
OPEN BRANCH FROM BUS 243593 TO BUS 246686 CKT 1	/ 243593 05ZUBER 138 246686 ZUBER-L 13.8 1
END	
CONTINGENCY '5807_B2_TOR1983A_MOAB'	
OPEN BRANCH FROM BUS 243469 TO BUS 243593 CKT 1	/ 243469 05BEATTY 138 243593 05ZUBER 138 1
END	
CONTINGENCY '5808_B2_TOR1983B_MOAB'	
OPEN BRANCH FROM BUS 243522 TO BUS 243593 CKT 1	/ 243522 05HARRIS 138 243593 05ZUBER 138 1
END	
CONTINGENCY '5810_B2_TOR1985'	
OPEN BRANCH FROM BUS 243469 TO BUS 243588 CKT 1	/ 243469 05BEATTY 138 243588 05WILSON 138 1
END	
CONTINGENCY '5222_B2_TOR2003'	
OPEN BRANCH FROM BUS 242964 TO BUS 243060 CKT 1	/ 242964 05BOLIVA 138 243060 05NINTIE 138 1
OPEN BRANCH FROM BUS 242964 TO BUS 243092 CKT 1	/ 242964 05BOLIVA 138 243092 05SCANTE 138 1
OPEN BRANCH FROM BUS 242964 TO BUS 245217 CKT 1	/ 242964 05BOLIVA 138 245217 BOLIVARL 34.5 1
END	
CONTINGENCY '5223_B2_TOR2043_WOMOAB'	
OPEN BRANCH FROM BUS 242989 TO BUS 243125 CKT 1	/ 242989 05E LIMA 138 243125 05THAYER 138 1
OPEN BRANCH FROM BUS 243768 TO BUS 243016 CKT 1	/ 243768 05GOE 138 243016 05HANTHR 138 1
OPEN BRANCH FROM BUS 243016 TO BUS 243115 CKT 1	/ 243016 05HANTHR 138 243115 05STRLN2 138 1
OPEN BRANCH FROM BUS 243016 TO BUS 243125 CKT 1	/ 243016 05HANTHR 138 243125 05THAYER 138 1
OPEN BRANCH FROM BUS 243108 TO BUS 243115 CKT Z1	/ 243108 05STRLN1 138 243115 05STRLN2 138 Z1
OPEN BRANCH FROM BUS 243115 TO BUS 245849 CKT 1	/ 243115 05STRLN2 138 245849 STERLING 34.5 1
OPEN BRANCH FROM BUS 243125 TO BUS 245853 CKT 1	/ 243125 05THAYER 138 245853 THAYER L 12.0 1
END	
CONTINGENCY '5224_B2_TOR2043A_MOAB'	
OPEN BRANCH FROM BUS 242989 TO BUS 243125 CKT 1	/ 242989 05E LIMA 138 243125 05THAYER 138 1
END	
CONTINGENCY '5225_B2_TOR2043B_MOAB'	
OPEN BRANCH FROM BUS 243768 TO BUS 243016 CKT 1	/ 243768 05GOE 138 243016 05HANTHR 138 1
OPEN BRANCH FROM BUS 243016 TO BUS 243115 CKT 1	/ 243016 05HANTHR 138 243115 05STRLN2 138 1
OPEN BRANCH FROM BUS 243016 TO BUS 243125 CKT 1	/ 243016 05HANTHR 138 243125 05THAYER 138 1
OPEN BRANCH FROM BUS 243108 TO BUS 243115 CKT Z1	/ 243108 05STRLN1 138 243115 05STRLN2 138 Z1
OPEN BRANCH FROM BUS 243115 TO BUS 245849 CKT 1	/ 243115 05STRLN2 138 245849 STERLING 34.5 1

END	
CONTINGENCY '5226_B2_TOR2061'	
OPEN BRANCH FROM BUS 242989 TO BUS 243765 CKT 1	/ 242989 05E LIMA 138 243765 05FORDLI 138 1
END	
CONTINGENCY '5227_B2_TOR2062'	
OPEN BRANCH FROM BUS 242989 TO BUS 243017 CKT 1	/ 242989 05E LIMA 138 243017 05HAVILN 138 1
END	
CONTINGENCY '7638_B2_TOR2101'	
OPEN BRANCH FROM BUS 243026 TO BUS 243774 CKT 2	/ 243026 05KAMMR1 138 243774 05ORMET 138 2
END	
CONTINGENCY '5811_B2_TOR2102'	
OPEN BRANCH FROM BUS 243560 TO BUS 243588 CKT 1	/ 243560 05ROBERT 138 243588 05WILSON 138 1
END	
CONTINGENCY '5229_B2_TOR2181'	
OPEN BRANCH FROM BUS 242980 TO BUS 243139 CKT 2	/ 242980 05CANTNC 138 243139 05WAGENH 138 2
END	
CONTINGENCY '5812_B2_TOR2227'	
OPEN BRANCH FROM BUS 243472 TO BUS 243592 CKT 1	/ 243472 05BEXLEY 138 243592 05YEARLG 138 1
END	
CONTINGENCY '5813_B2_TOR2228'	
OPEN BRANCH FROM BUS 243502 TO BUS 243592 CKT 1	/ 243502 05E.BROA 138 243592 05YEARLG 138 1
END	
CONTINGENCY '5728_B2_TOR2231'	
OPEN BRANCH FROM BUS 247083 TO BUS 243159 CKT 1	/ 247083 05NPHISS 138 243159 05WPHILO 138 1
OPEN BRANCH FROM BUS 247083 TO BUS 247142 CKT 3	/ 247083 05NPHISS 138 247142 05WPHILZ 138 3
OPEN BRANCH FROM BUS 243074 TO BUS 247142 CKT 1	/ 243074 05PHILO 138 247142 05WPHILZ 138 1
OPEN BRANCH FROM BUS 247142 TO BUS 243161 CKT 2	/ 247142 05WPHILZ 138 243161 05ZANESV 138 2
OPEN BRANCH FROM BUS 243159 TO BUS 245420 CKT 1	/ 243159 05WPHILO 138 245420 WPHILO L 12.0 1
END	
CONTINGENCY '5729_B2_TOR2233_WOMOAB'	
OPEN BRANCH FROM BUS 243018 TO BUS 243063 CKT 1	/ 243018 05HEATH 138 243063 05NNEWAR 138 1
OPEN BRANCH FROM BUS 243018 TO BUS 243150 CKT 1	/ 243018 05HEATH 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243018 TO BUS 245506 CKT 1	/ 243018 05HEATH 138 245506 HEATH 69.0 1
OPEN BRANCH FROM BUS 243018 TO BUS 245505 CKT Z1	/ 243018 05HEATH 138 245505 HEATH 34.5 Z1
END	
CONTINGENCY '5730_B2_TOR2233A_MOAB'	
OPEN BRANCH FROM BUS 243018 TO BUS 243063 CKT 1	/ 243018 05HEATH 138 243063 05NNEWAR 138 1
END	
CONTINGENCY '5731_B2_TOR2233B_MOAB'	
OPEN BRANCH FROM BUS 243018 TO BUS 243150 CKT 1	/ 243018 05HEATH 138 243150 05WMILLP 138 1
END	
CONTINGENCY '5231_B2_TOR2253'	
OPEN BRANCH FROM BUS 243000 TO BUS 243158 CKT 1	/ 243000 05EWOOST 138 243158 05WOOSTE 138 1
END	
CONTINGENCY '5911_B2_TOR2256'	
OPEN BRANCH FROM BUS 243555 TO BUS 247148 CKT 1	/ 243555 05POSTON 138 247148 05SBLMSS 138 1
OPEN BRANCH FROM BUS 243562 TO BUS 247148 CKT 1	/ 243562 05ROSS 138 247148 05SBLMSS 138 1
OPEN BRANCH FROM BUS 247148 TO BUS 243567 CKT Z1	/ 247148 05SBLMSS 138 243567 05SBLMVL 138 Z1
OPEN BRANCH FROM BUS 243567 TO BUS 246804 CKT Z1	/ 243567 05SBLMVL 138 246804 S.BLOOM8 12.0 Z1
END	
CONTINGENCY '5732_B2_TOR2276_WOMOAB'	
OPEN BRANCH FROM BUS 243532 TO BUS 243058 CKT 1	/ 243532 05KIRK 138 243058 05NEWRKC 138 1
OPEN BRANCH FROM BUS 243058 TO BUS 245517 CKT 1	/ 243058 05NEWRKC 138 245517 NWRK CEN 69.0 1
OPEN BRANCH FROM BUS 247084 TO BUS 245517 CKT 1	/ 247084 BJAYRDSS 69.0 245517 NWRK CEN 69.0 1
OPEN BRANCH FROM BUS 245501 TO BUS 245517 CKT 1	/ 245501 FLNTRDGZ 69.0 245517 NWRK CEN 69.0 1
END	
CONTINGENCY '5733_B2_TOR2276A_MOAB'	
OPEN BRANCH FROM BUS 243532 TO BUS 243058 CKT 1	/ 243532 05KIRK 138 243058 05NEWRKC 138 1
END	
CONTINGENCY '5814_B2_TOR2281'	
OPEN BRANCH FROM BUS 243488 TO BUS 243058 CKT 1	/ 243488 05CONESE 138 243058 05NEWRKC 138 1

END	
CONTINGENCY '5734_B2_TOR2322'	
OPEN BRANCH FROM BUS 243488 TO BUS 243076 CKT 1	/ 243488 05CONESE 138 243076 05PREPTA 138 1
OPEN BRANCH FROM BUS 243070 TO BUS 243076 CKT 1	/ 243070 05OHIOCT 138 243076 05PREPTA 138 1
OPEN BRANCH FROM BUS 243076 TO BUS 245339 CKT 1	/ 243076 05PREPTA 138 245339 PREPLNTL 12.0 1
END	
CONTINGENCY '5815_B2_TOR2331'	
OPEN BRANCH FROM BUS 243473 TO BUS 246761 CKT 1	/ 243473 05BIXBY 138 246761 05THREEC 138 1
OPEN BRANCH FROM BUS 246762 TO BUS 246761 CKT 1	/ 246762 05GRFN W 138 246761 05THREEC 138 1
OPEN BRANCH FROM BUS 243518 TO BUS 246761 CKT 1	/ 243518 05GROVES 138 246761 05THREEC 138 1
OPEN BRANCH FROM BUS 246762 TO BUS 246832 CKT Z1	/ 246762 05GRFN W 138 246832 GRFN WHL 13.8 Z1
END	
CONTINGENCY '5973_B2_TOR2332'	
OPEN BRANCH FROM BUS 243669 TO BUS 243694 CKT 1	/ 243669 05B SAND 138 243694 05INEZ 138 1
OPEN BRANCH FROM BUS 243669 TO BUS 243694 CKT 2	/ 243669 05B SAND 138 243694 05INEZ 138 2
END	
CONTINGENCY '6225_B2_TOR2344'	
OPEN BRANCH FROM BUS 242988 TO BUS 242992 CKT 1	/ 242988 05DOGWOO 138 242992 05E WHEE 138 1
OPEN BRANCH FROM BUS 242988 TO BUS 243042 CKT 1	/ 242988 05DOGWOO 138 243042 05MILLBR 138 1
OPEN BRANCH FROM BUS 242988 TO BUS 244920 CKT 1	/ 242988 05DOGWOO 138 244920 DOGWD L 12.0 1
END	
CONTINGENCY '5342_B2_TOR2371A_MOAB'	
OPEN BRANCH FROM BUS 244878 TO BUS 242580 CKT 1	/ 244878 CARBNDEQ 999 242580 05CARBND 138 1
OPEN BRANCH FROM BUS 244878 TO BUS 244387 CKT 1	/ 244878 CARBNDEQ 999 244387 CARBOND L 69.0 1
OPEN BRANCH FROM BUS 244878 TO BUS 244879 CKT 1	/ 244878 CARBNDEQ 999 244879 CARBOND L 46.0 1
OPEN BRANCH FROM BUS 242551 TO BUS 242580 CKT 1	/ 242551 05BELVA 138 242580 05CARBND 138 1
OPEN BRANCH FROM BUS 242580 TO BUS 242689 CKT 1	/ 242580 05CARBND 138 242689 05KANAWH 138 1
END	
CONTINGENCY '5343_B2_TOR2371B_MOAB'	
OPEN BRANCH FROM BUS 242551 TO BUS 242580 CKT 1	/ 242551 05BELVA 138 242580 05CARBND 138 1
END	
CONTINGENCY '8364_B2_TOR2387'	
OPEN BRANCH FROM BUS 242577 TO BUS 242578 CKT 1	/ 242577 05CARB 8 138 242578 05CARB Z 138 1
OPEN BRANCH FROM BUS 242578 TO BUS 242592 CKT 1	/ 242578 05CARB Z 138 242592 05CHEM 1 138 1
OPEN BRANCH FROM BUS 242578 TO BUS 242836 CKT 1	/ 242578 05CARB Z 138 242836 05TURN E 1 138 1
END	
CONTINGENCY '5349_B2_TOR2440'	
OPEN BRANCH FROM BUS 242650 TO BUS 242668 CKT 1	/ 242650 05GLEN L 1 138 242668 05HINTON 138 1
END	
CONTINGENCY '5351_B2_TOR2441A_MOAB'	
OPEN BRANCH FROM BUS 242668 TO BUS 242777 CKT 1	/ 242668 05HINTON 138 242777 05RONCVR 138 1
END	
CONTINGENCY '5352_B2_TOR2441B_MOAB'	
OPEN BRANCH FROM BUS 242658 TO BUS 242777 CKT 1	/ 242658 05GREENB 138 242777 05RONCVR 138 1
END	
CONTINGENCY '5354_B2_TOR2481'	
OPEN BRANCH FROM BUS 242597 TO BUS 242598 CKT 1	/ 242597 05CHNC 138 242598 05CHNC Z 138 1
OPEN BRANCH FROM BUS 242598 TO BUS 242705 CKT 1	/ 242598 05CHNC Z 138 242705 05LOGAN 2 138 1
OPEN BRANCH FROM BUS 242598 TO BUS 242809 CKT 1	/ 242598 05CHNC Z 138 242809 05SPRIG 1 138 1
OPEN BRANCH FROM BUS 242597 TO BUS 244480 CKT 1	/ 242597 05CHNC 138 244480 CHAUNCEY 46.0 1
END	
CONTINGENCY '8788_B2_TOR2516_WOMOAB'	
OPEN BRANCH FROM BUS 243331 TO BUS 243368 CKT 1	/ 243331 05LINWOO 138 243368 05ROSEHI 138 1
OPEN BRANCH FROM BUS 243331 TO BUS 246771 CKT 1	/ 243331 05LINWOO 138 246771 05SELWDZ 138 1
OPEN BRANCH FROM BUS 243357 TO BUS 243368 CKT 1	/ 243357 05PENDLE 138 243368 05ROSEHI 138 1
OPEN BRANCH FROM BUS 243331 TO BUS 246102 CKT 1	/ 243331 05LINWOO 138 246102 LINWOD L 12.0 1
OPEN BRANCH FROM BUS 243368 TO BUS 246108 CKT 1	/ 243368 05ROSEHI 138 246108 ROSEHL L 12.0 1
END	
CONTINGENCY '8789_B2_TOR2516A_MOAB'	
OPEN BRANCH FROM BUS 243331 TO BUS 243368 CKT 1	/ 243331 05LINWOO 138 243368 05ROSEHI 138 1
OPEN BRANCH FROM BUS 243357 TO BUS 243368 CKT 1	/ 243357 05PENDLE 138 243368 05ROSEHI 138 1

OPEN BRANCH FROM BUS 243368 TO BUS 246108 CKT 1 END	/ 243368 05ROSEHI 138 246108 ROSEHL L 12.0 1
CONTINGENCY '8790_B2_TOR2516B_MOAB'	
OPEN BRANCH FROM BUS 243331 TO BUS 246771 CKT 1 END	/ 243331 05LINWOO 138 246771 05SELWDZ 138 1
CONTINGENCY '5586_B2_TOR2520_WOMOAB'	
OPEN BRANCH FROM BUS 243276 TO BUS 243292 CKT 1	/ 243276 05DELCOR 138 243292 05FALL C 138 1
OPEN BRANCH FROM BUS 243276 TO BUS 246095 CKT 1 END	/ 243276 05DELCOR 138 246095 DR 5 L 13.0 1
CONTINGENCY '5587_B2_TOR2520A_MOAB'	
OPEN BRANCH FROM BUS 243276 TO BUS 243292 CKT 1 END	/ 243276 05DELCOR 138 243292 05FALL C 138 1
CONTINGENCY '5588_B2_TOR2521_WOMOAB'	
OPEN BRANCH FROM BUS 243235 TO BUS 243337 CKT 1	/ 243235 0523RD 1 138 243337 05MAYFIE 138 1
OPEN BRANCH FROM BUS 243235 TO BUS 243394 CKT 1	/ 243235 0523RD 1 138 243394 05WESTH1 138 1
OPEN BRANCH FROM BUS 243278 TO BUS 243337 CKT 1	/ 243278 05DESOTO 138 243337 05MAYFIE 138 1
OPEN BRANCH FROM BUS 243235 TO BUS 246071 CKT 1	/ 243235 0523RD 1 138 246071 23RD 1 34.5 1
OPEN BRANCH FROM BUS 243337 TO BUS 246051 CKT 1 END	/ 243337 05MAYFIE 138 246051 MAYFLD L 12.0 1
CONTINGENCY '5589_B2_TOR2521A_MOAB'	
OPEN BRANCH FROM BUS 243278 TO BUS 243337 CKT 1 END	/ 243278 05DESOTO 138 243337 05MAYFIE 138 1
CONTINGENCY '5590_B2_TOR2521B_MOAB'	
OPEN BRANCH FROM BUS 243235 TO BUS 243337 CKT 1	/ 243235 0523RD 1 138 243337 05MAYFIE 138 1
OPEN BRANCH FROM BUS 243235 TO BUS 243394 CKT 1	/ 243235 0523RD 1 138 243394 05WESTH1 138 1
OPEN BRANCH FROM BUS 243235 TO BUS 246071 CKT 1 END	/ 243235 0523RD 1 138 246071 23RD 1 34.5 1
CONTINGENCY '5591_B2_TOR2526_WOMOAB'	
OPEN BRANCH FROM BUS 243275 TO BUS 243373 CKT 1	/ 243275 05DELAWR 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243373 CKT 1	/ 243364 05RICHMO 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243408 CKT 2	/ 243364 05RICHMO 138 243408 05RICHMO 69.0 2
OPEN BRANCH FROM BUS 243373 TO BUS 246091 CKT 1 END	/ 243373 05SELMAP 138 246091 SELMAP L 12.0 1
CONTINGENCY '5592_B2_TOR2526A_MOAB'	
OPEN BRANCH FROM BUS 243275 TO BUS 243373 CKT 1	/ 243275 05DELAWR 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243373 CKT 1	/ 243364 05RICHMO 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243373 TO BUS 246091 CKT 1 END	/ 243373 05SELMAP 138 246091 SELMAP L 12.0 1
CONTINGENCY '5593_B2_TOR2527_WOMOAB'	
OPEN BRANCH FROM BUS 243262 TO BUS 243364 CKT 1	/ 243262 05COLLCO 138 243364 05RICHMO 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243408 CKT 1 END	/ 243364 05RICHMO 138 243408 05RICHMO 69.0 1
CONTINGENCY '6885_B2_TOR2527A_MOAB'	
OPEN BRANCH FROM BUS 243262 TO BUS 243364 CKT 1 END	/ 243262 05COLLCO 138 243364 05RICHMO 138 1
CONTINGENCY '5594_B2_TOR2529'	
OPEN BRANCH FROM BUS 243262 TO BUS 243282 CKT 1	/ 243262 05COLLCO 138 243282 05DREWER 138 1
OPEN BRANCH FROM BUS 243282 TO BUS 243382 CKT 1	/ 243282 05DREWER 138 243382 05TANNER 138 1
OPEN BRANCH FROM BUS 243282 TO BUS 246074 CKT 1 END	/ 243282 05DREWER 138 246074 DREWERS8 12.0 1
CONTINGENCY '5595_B2_TOR2542_WOMOAB'	
OPEN BRANCH FROM BUS 246000 TO BUS 243387 CKT 1	/ 246000 VANBUREQ 999 243387 05VANBUR 138 1
OPEN BRANCH FROM BUS 246000 TO BUS 245999 CKT 1	/ 246000 VANBUREQ 999 245999 VAN BURE 69.0 1
OPEN BRANCH FROM BUS 246000 TO BUS 245998 CKT 1	/ 246000 VANBUREQ 999 245998 VAN BURE 12.0 1
OPEN BRANCH FROM BUS 243275 TO BUS 243387 CKT 1	/ 243275 05DELAWR 138 243387 05VANBUR 138 1
OPEN BRANCH FROM BUS 243377 TO BUS 243387 CKT 1	/ 243377 05SORENS 138 243387 05VANBUR 138 1
OPEN BRANCH FROM BUS 245987 TO BUS 245999 CKT 1 END	/ 245987 MTETNA T 69.0 245999 VAN BURE 69.0 1
CONTINGENCY '5596_B2_TOR2542A_MOAB'	
OPEN BRANCH FROM BUS 243377 TO BUS 243387 CKT 1 END	/ 243377 05SORENS 138 243387 05VANBUR 138 1

CONTINGENCY '5597_B2_TOR2542B_MOAB'	
OPEN BRANCH FROM BUS 243275 TO BUS 243387 CKT 1	/ 243275 05DELAWR 138 243387 05VANBUR 138 1
END	
CONTINGENCY '8702_B2_TOR2543'	
OPEN BRANCH FROM BUS 243218 TO BUS 243232 CKT 2	/ 243218 05DESOTO 345 243232 05SORENS 345 2
END	
CONTINGENCY '5598_B2_TOR2544'	
OPEN BRANCH FROM BUS 243278 TO BUS 243319 CKT 1	/ 243278 05DESOTO 138 243319 05JAY 138 1
END	
CONTINGENCY '5600_B2_TOR2548'	
OPEN BRANCH FROM BUS 243293 TO BUS 243302 CKT 1	/ 243293 05FISHER 138 243302 05GRANT 138 1
OPEN BRANCH FROM BUS 243293 TO BUS 246004 CKT 1	/ 243293 05FISHER 138 246004 05FISHER 13.8 1
END	
CONTINGENCY '5601_B2_TOR2641'	
OPEN BRANCH FROM BUS 246282 TO BUS 243315 CKT 1	/ 246282 ILLIN EQ 999 243315 05ILLINO 138 1
OPEN BRANCH FROM BUS 246282 TO BUS 246284 CKT 1	/ 246282 ILLIN EQ 999 246284 ILLINOIS 69.0 1
OPEN BRANCH FROM BUS 243315 TO BUS 243316 CKT 1	/ 243315 05ILLINO 138 243316 05INDUSP 138 1
OPEN BRANCH FROM BUS 243315 TO BUS 243377 CKT 1	/ 243315 05ILLINO 138 243377 05SORENS 138 1
OPEN BRANCH FROM BUS 243315 TO BUS 246111 CKT Z1	/ 243315 05ILLINO 138 246111 ILLINI L 12.0 Z1
OPEN BRANCH FROM BUS 246110 TO BUS 246284 CKT 1	/ 246110 ABOITE 8 69.0 246284 ILLINOIS 69.0 1
OPEN BRANCH FROM BUS 246284 TO BUS 246286 CKT 1	/ 246284 ILLINOIS 69.0 246286 LINC W 8 69.0 1
END	
CONTINGENCY '5603_B2_TOR2642A_MOAB'	
OPEN BRANCH FROM BUS 243313 TO BUS 243377 CKT 1	/ 243313 05HUNT J 138 243377 05SORENS 138 1
END	
CONTINGENCY '5604_B2_TOR2642B_MOAB'	
OPEN BRANCH FROM BUS 243313 TO BUS 243367 CKT 1	/ 243313 05HUNT J 138 243367 05ROCKCR 138 1
OPEN BRANCH FROM BUS 243367 TO BUS 245993 CKT 1	/ 243367 05ROCKCR 138 245993 ROCKCR L 34.5 1
END	
CONTINGENCY '5605_B2_TOR2642C_MOAB'	
OPEN BRANCH FROM BUS 243312 TO BUS 243367 CKT 1	/ 243312 05HUMMEL 138 243367 05ROCKCR 138 1
END	
CONTINGENCY '5606_B2_TOR2643'	
OPEN BRANCH FROM BUS 243298 TO BUS 243324 CKT 1	/ 243298 05GM-FTW 138 243324 05LAFAY8 138 1
OPEN BRANCH FROM BUS 243324 TO BUS 243377 CKT 1	/ 243324 05LAFAY8 138 243377 05SORENS 138 1
OPEN BRANCH FROM BUS 243324 TO BUS 246273 CKT Z1	/ 243324 05LAFAY8 138 246273 LAFAYET8 34.5 Z1
END	
CONTINGENCY '5608_B2_TOR2697'	
OPEN BRANCH FROM BUS 243330 TO BUS 243366 CKT 1	/ 243330 05LINCOL 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243366 TO BUS 246155 CKT 3	/ 243366 05ROB PK 138 246155 ROB PK L 12.0 3
END	
CONTINGENCY '5816_B2_TOR2761'	
OPEN BRANCH FROM BUS 243485 TO BUS 243529 CKT 1	/ 243485 05CLINTO 138 243529 05KENNY 138 1
END	
CONTINGENCY '5817_B2_TOR2762'	
OPEN BRANCH FROM BUS 243485 TO BUS 243528 CKT 1	/ 243485 05CLINTO 138 243528 05KARL 138 1
END	
CONTINGENCY '5818_B2_TOR2781_WOMOAB'	
OPEN BRANCH FROM BUS 243471 TO BUS 243479 CKT 1	/ 243471 05BETHEL 138 243479 05BROOKS 138 1
OPEN BRANCH FROM BUS 243479 TO BUS 243566 CKT 1	/ 243479 05BROOKS 138 243566 05SAWMIL 138 1
OPEN BRANCH FROM BUS 243479 TO BUS 246583 CKT 1	/ 243479 05BROOKS 138 246583 BROOKS L 13.8 1
END	
CONTINGENCY '5819_B2_TOR2781A_MOAB'	
OPEN BRANCH FROM BUS 243471 TO BUS 243479 CKT 1	/ 243471 05BETHEL 138 243479 05BROOKS 138 1
END	
CONTINGENCY '5820_B2_TOR2781B_MOAB'	
OPEN BRANCH FROM BUS 243479 TO BUS 243566 CKT 1	/ 243479 05BROOKS 138 243566 05SAWMIL 138 1
END	
CONTINGENCY '5821_B2_TOR2804'	
OPEN BRANCH FROM BUS 243472 TO BUS 243518 CKT 1	/ 243472 05BEXLEY 138 243518 05GROVES 138 1
END	

CONTINGENCY '5236_B2_TOR2841'	
OPEN BRANCH FROM BUS 243765 TO BUS 243082 CKT 1	/ 243765 05FORDLI 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '6048_B2_TOR2844_WOMOAB'	
OPEN BRANCH FROM BUS 242703 TO BUS 242790 CKT 1	/ 242703 05LEON A 138 242790 05SBUFLO 138 1
OPEN BRANCH FROM BUS 242703 TO BUS 242808 CKT 1	/ 242703 05LEON A 138 242808 05SPORNS 138 1
OPEN BRANCH FROM BUS 242703 TO BUS 244758 CKT 1	/ 242703 05LEON A 138 244758 LEON AP 69.0 1
OPEN BRANCH FROM BUS 242703 TO BUS 244758 CKT 2	/ 242703 05LEON A 138 244758 LEON AP 69.0 2
OPEN BRANCH FROM BUS 244758 TO BUS 244763 CKT 1	/ 244758 LEON AP 69.0 244763 RIPLEY 69.0 1
OPEN BRANCH FROM BUS 244758 TO BUS 244757 CKT Z1	/ 244758 LEON AP 69.0 244757 LEON L 12.0 Z1
END	
CONTINGENCY '6049_B2_TOR2844A_MOAB'	
OPEN BRANCH FROM BUS 242703 TO BUS 242808 CKT 1	/ 242703 05LEON A 138 242808 05SPORNS 138 1
END	
CONTINGENCY '6050_B2_TOR2844B_MOAB'	
OPEN BRANCH FROM BUS 242703 TO BUS 242790 CKT 1	/ 242703 05LEON A 138 242790 05SBUFLO 138 1
OPEN BRANCH FROM BUS 242703 TO BUS 244758 CKT 1	/ 242703 05LEON A 138 244758 LEON AP 69.0 1
OPEN BRANCH FROM BUS 244758 TO BUS 244757 CKT Z1	/ 244758 LEON AP 69.0 244757 LEON L 12.0 Z1
END	
CONTINGENCY '6051_B2_TOR2845_WOMOAB'	
OPEN BRANCH FROM BUS 242691 TO BUS 243088 CKT 1	/ 242691 05KENOVA 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 242691 TO BUS 242835 CKT 1	/ 242691 05KENOVA 138 242835 05TRISTA 138 1
OPEN BRANCH FROM BUS 242691 TO BUS 244720 CKT 1	/ 242691 05KENOVA 138 244720 KENOVA H 69.0 1
OPEN BRANCH FROM BUS 242691 TO BUS 244721 CKT 1	/ 242691 05KENOVA 138 244721 KENOV7 L 12.0 1
OPEN BRANCH FROM BUS 244685 TO BUS 244720 CKT 1	/ 244685 47TH ST 69.0 244720 KENOVA H 69.0 1
OPEN BRANCH FROM BUS 244664 TO BUS 244720 CKT 1	/ 244664 ASFISS 69.0 244720 KENOVA H 69.0 1
END	
CONTINGENCY '6052_B2_TOR2845A_MOAB'	
OPEN BRANCH FROM BUS 242691 TO BUS 242835 CKT 1	/ 242691 05KENOVA 138 242835 05TRISTA 138 1
END	
CONTINGENCY '6053_B2_TOR2845B_MOAB'	
OPEN BRANCH FROM BUS 242691 TO BUS 243088 CKT 1	/ 242691 05KENOVA 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 242691 TO BUS 244720 CKT 1	/ 242691 05KENOVA 138 244720 KENOVA H 69.0 1
OPEN BRANCH FROM BUS 242691 TO BUS 244721 CKT 1	/ 242691 05KENOVA 138 244721 KENOV7 L 12.0 1
END	
CONTINGENCY '5615_B2_TOR2869'	
OPEN BRANCH FROM BUS 246965 TO BUS 246964 CKT 1	/ 246965 WESLMPEQ 999 246964 05WESLMP 138 1
OPEN BRANCH FROM BUS 246965 TO BUS 246967 CKT 1	/ 246965 WESLMPEQ 999 246967 WESLEYMP 69.0 1
OPEN BRANCH FROM BUS 246965 TO BUS 246966 CKT 1	/ 246965 WESLMPEQ 999 246966 WESLEYMP 13.8 1
OPEN BRANCH FROM BUS 243262 TO BUS 246963 CKT 1	/ 243262 05COLLCO 138 246963 05WESLEZ 138 1
OPEN BRANCH FROM BUS 243382 TO BUS 246963 CKT 1	/ 243382 05TANNER 138 246963 05WESLEZ 138 1
OPEN BRANCH FROM BUS 246963 TO BUS 246964 CKT 1	/ 246963 05WESLEZ 138 246964 05WESLMP 138 1
END	
CONTINGENCY '5616_B2_TOR2870'	
OPEN BRANCH FROM BUS 246393 TO BUS 243283 CKT 1	/ 246393 DUNLAPEQ 999 243283 05DUNLAP 138 1
OPEN BRANCH FROM BUS 246393 TO BUS 246391 CKT 1	/ 246393 DUNLAPEQ 999 246391 DUNLAP 69.0 1
OPEN BRANCH FROM BUS 246393 TO BUS 246390 CKT 1	/ 246393 DUNLAPEQ 999 246390 DUNLAP 34.5 1
OPEN BRANCH FROM BUS 243264 TO BUS 243283 CKT 1	/ 243264 05CONCOR 138 243283 05DUNLAP 138 1
OPEN BRANCH FROM BUS 243283 TO BUS 243290 CKT 1	/ 243283 05DUNLAP 138 243290 05ELCONZ 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243290 CKT 1	/ 243287 05EELKHA 138 243290 05ELCONZ 138 1
OPEN BRANCH FROM BUS 243289 TO BUS 243290 CKT 1	/ 243289 05ELCONA 138 243290 05ELCONZ 138 1
OPEN BRANCH FROM BUS 243283 TO BUS 246392 CKT 1	/ 243283 05DUNLAP 138 246392 DUNLAP L 12.0 1
OPEN BRANCH FROM BUS 243289 TO BUS 246414 CKT 1	/ 243289 05ELCONA 138 246414 ELCONA L 12.0 1
OPEN BRANCH FROM BUS 246390 TO BUS 246397 CKT 1	/ 246390 DUNLAP 34.5 246397 ELKHARTH 34.5 1
OPEN BRANCH FROM BUS 246390 TO BUS 246403 CKT 1	/ 246390 DUNLAP 34.5 246403 LUSHR AV 34.5 1
END	
CONTINGENCY '8798_B2_TOR2886_WOMOAB'	
OPEN BRANCH FROM BUS 247330 TO BUS 243294 CKT 1	/ 247330 05BRODY8 138 243294 05FLWRFD 138 1
OPEN BRANCH FROM BUS 243294 TO BUS 243345 CKT 1	/ 243294 05FLWRFD 138 243345 05MOORPK 138 1
OPEN BRANCH FROM BUS 243294 TO BUS 246565 CKT 1	/ 243294 05FLWRFD 138 246565 FLWRFLD8 12.0 1
END	

CONTINGENCY '8794_B2_TOR2886_MOAB'	
OPEN BRANCH FROM BUS 247329 TO BUS 243386 CKT 1	/ 247329 05STINGER 138 243386 05VALLY 138 1
END	
CONTINGENCY '5913_B2_TOR2982'	
OPEN BRANCH FROM BUS 243019 TO BUS 243102 CKT 1	/ 243019 05HILLSB 138 243102 05SINKG8 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243102 CKT 1	/ 243042 05MILLBR 138 243102 05SINKG8 138 1
OPEN BRANCH FROM BUS 243102 TO BUS 244936 CKT 1	/ 243102 05SINKG8 138 244936 SINKGS8L 12.0 1
END	
CONTINGENCY '7265_B2_TOR3081'	
OPEN BRANCH FROM BUS 243238 TO BUS 243882 CKT 1	/ 243238 05AIRCO 138 243882 05LAPRT3 138 1
OPEN BRANCH FROM BUS 243881 TO BUS 243882 CKT Z1	/ 243881 05LAPRT2 138 243882 05LAPRT3 138 Z1
OPEN BRANCH FROM BUS 243882 TO BUS 243332 CKT 1	/ 243882 05LAPRT3 138 243332 05LIQCAR 138 1
OPEN BRANCH FROM BUS 243882 TO BUS 243353 CKT 1	/ 243882 05LAPRT3 138 243353 05OLIVE 138 1
OPEN BRANCH FROM BUS 243238 TO BUS 246373 CKT 1	/ 243238 05AIRCO 138 246373 05AIRCO 13.8 1
OPEN BRANCH FROM BUS 243332 TO BUS 246374 CKT 1	/ 243332 05LIQCAR 138 246374 05LIQCAR 4.00 1
END	
CONTINGENCY '5623_B2_TOR3103'	
OPEN BRANCH FROM BUS 243285 TO BUS 243370 CKT 1	/ 243285 05E.SIDE 138 243370 05S BEND 138 1
OPEN BRANCH FROM BUS 243285 TO BUS 246316 CKT Z1	/ 243285 05E.SIDE 138 246316 E SIDE L 12.0 Z1
END	
CONTINGENCY '5624_B2_TOR3104'	
OPEN BRANCH FROM BUS 243286 TO BUS 243320 CKT 1	/ 243286 05EDISON 138 243320 05KANKAK 138 1
END	
CONTINGENCY '5625_B2_TOR3105'	
OPEN BRANCH FROM BUS 243304 TO BUS 243385 CKT 1	/ 243304 05GUARDN 138 243385 05TWIN B 138 1
END	
CONTINGENCY '5626_B2_TOR3106'	
OPEN BRANCH FROM BUS 243257 TO BUS 243318 CKT 1	/ 243257 05CALVRT 138 243318 05JACKSR 138 1
OPEN BRANCH FROM BUS 243257 TO BUS 243320 CKT 1	/ 243257 05CALVRT 138 243320 05KANKAK 138 1
OPEN BRANCH FROM BUS 243257 TO BUS 246304 CKT 1	/ 243257 05CALVRT 138 246304 CALVER L 12.0 1
END	
CONTINGENCY '5627_B2_TOR3107_WOMOAB'	
OPEN BRANCH FROM BUS 243280 TO BUS 243281 CKT 1	/ 243280 05DRAGN 138 243281 05DRAGNZ 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243317 CKT 1	/ 243281 05DRAGNZ 138 243317 05IRELAN 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243385 CKT 1	/ 243281 05DRAGNZ 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243317 TO BUS 243318 CKT 1	/ 243317 05IRELAN 138 243318 05JACKSR 138 1
OPEN BRANCH FROM BUS 243280 TO BUS 246314 CKT 1	/ 243280 05DRAGN 138 246314 DRAGOON 34.5 1
OPEN BRANCH FROM BUS 243317 TO BUS 246324 CKT 1	/ 243317 05IRELAN 138 246324 IRELAN L 12.0 1
END	
CONTINGENCY '5628_B2_TOR3107A_MOAB'	
OPEN BRANCH FROM BUS 243280 TO BUS 243281 CKT 1	/ 243280 05DRAGN 138 243281 05DRAGNZ 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243317 CKT 1	/ 243281 05DRAGNZ 138 243317 05IRELAN 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243385 CKT 1	/ 243281 05DRAGNZ 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243280 TO BUS 246314 CKT 1	/ 243280 05DRAGN 138 246314 DRAGOON 34.5 1
END	
CONTINGENCY '5629_B2_TOR3107B_MOAB'	
OPEN BRANCH FROM BUS 243317 TO BUS 243318 CKT 1	/ 243317 05IRELAN 138 243318 05JACKSR 138 1
END	
CONTINGENCY '5631_B2_TOR3109'	
OPEN BRANCH FROM BUS 243349 TO BUS 243353 CKT 1	/ 243349 05NEWCAR 138 243353 05OLIVE 138 1
OPEN BRANCH FROM BUS 243353 TO BUS 246339 CKT 4	/ 243353 05OLIVE 138 246339 OLIVEL12 12.0 4
END	
CONTINGENCY '5632_B2_TOR3110_WOMOAB'	
OPEN BRANCH FROM BUS 243273 TO BUS 243359 CKT 1	/ 243273 05DARDEN 138 243359 05PINERD 138 1
OPEN BRANCH FROM BUS 243273 TO BUS 243370 CKT 1	/ 243273 05DARDEN 138 243370 05S BEND 138 1
OPEN BRANCH FROM BUS 243349 TO BUS 243359 CKT 1	/ 243349 05NEWCAR 138 243359 05PINERD 138 1
OPEN BRANCH FROM BUS 243273 TO BUS 246310 CKT 1	/ 243273 05DARDEN 138 246310 DARDEN L 12.0 1
OPEN BRANCH FROM BUS 243273 TO BUS 246310 CKT 2	/ 243273 05DARDEN 138 246310 DARDEN L 12.0 2
OPEN BRANCH FROM BUS 243359 TO BUS 246378 CKT 1	/ 243359 05PINERD 138 246378 PINE RD 12.0 1
END	
CONTINGENCY '5633_B2_TOR3110A_MOAB'	

OPEN BRANCH FROM BUS 243349 TO BUS 243359 CKT 1 END	/ 243349 05NEWCAR 138 243359 05PINERD 138 1
CONTINGENCY '5634_B2_TOR3110B_MOAB'	
OPEN BRANCH FROM BUS 243273 TO BUS 243359 CKT 1 END	/ 243273 05DARDEN 138 243359 05PINERD 138 1
CONTINGENCY '5635_B2_TOR3110C_MOAB'	
OPEN BRANCH FROM BUS 243273 TO BUS 243370 CKT 1	/ 243273 05DARDEN 138 243370 05S BEND 138 1
OPEN BRANCH FROM BUS 243273 TO BUS 246310 CKT 1	/ 243273 05DARDEN 138 246310 DARDEN L 12.0 1
OPEN BRANCH FROM BUS 243273 TO BUS 246310 CKT 2 END	/ 243273 05DARDEN 138 246310 DARDEN L 12.0 2
CONTINGENCY '5636_B2_TOR3111_WOMOAB'	
OPEN BRANCH FROM BUS 243297 TO BUS 243352 CKT 1	/ 243297 05GERMAN 138 243352 05NTRDAM 138 1
OPEN BRANCH FROM BUS 243297 TO BUS 243353 CKT 1	/ 243297 05GERMAN 138 243353 05OLIVE 138 1
OPEN BRANCH FROM BUS 243352 TO BUS 243370 CKT 1	/ 243352 05NTRDAM 138 243370 05S BEND 138 1
OPEN BRANCH FROM BUS 243297 TO BUS 246320 CKT 1	/ 243297 05GERMAN 138 246320 GERMAN L 12.0 1
OPEN BRANCH FROM BUS 243297 TO BUS 246320 CKT 2	/ 243297 05GERMAN 138 246320 GERMAN L 12.0 2
OPEN BRANCH FROM BUS 243352 TO BUS 246376 CKT 1 END	/ 243352 05NTRDAM 138 246376 NOTREDAM 4.00 1
CONTINGENCY '5637_B2_TOR3111A_MOAB'	
OPEN BRANCH FROM BUS 243297 TO BUS 243353 CKT 1 END	/ 243297 05GERMAN 138 243353 05OLIVE 138 1
CONTINGENCY '5638_B2_TOR3111B_MOAB'	
OPEN BRANCH FROM BUS 243297 TO BUS 243352 CKT 1 END	/ 243297 05GERMAN 138 243352 05NTRDAM 138 1
CONTINGENCY '5639_B2_TOR3111C_MOAB'	
OPEN BRANCH FROM BUS 243352 TO BUS 243370 CKT 1 END	/ 243352 05NTRDAM 138 243370 05S BEND 138 1
CONTINGENCY '6054_B2_TOR3281_WOMOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 247013 CKT 1	/ 242537 05AMOS 138 247013 05CROOKC 138 1
OPEN BRANCH FROM BUS 247013 TO BUS 242759 CKT 1	/ 247013 05CROOKC 138 242759 05POPLAR 138 1
OPEN BRANCH FROM BUS 242660 TO BUS 242743 CKT 1	/ 242660 05H.RIDG 138 242743 05PARKHI 138 1
OPEN BRANCH FROM BUS 242660 TO BUS 242759 CKT 1	/ 242660 05H.RIDG 138 242759 05POPLAR 138 1
OPEN BRANCH FROM BUS 242743 TO BUS 242842 CKT 1	/ 242743 05PARKHI 138 242842 05W HUNT 138 1
OPEN BRANCH FROM BUS 242660 TO BUS 244713 CKT 1	/ 242660 05H.RIDG 138 244713 HRIDGE L 34.5 1
OPEN BRANCH FROM BUS 247013 TO BUS 247014 CKT Z1	/ 247013 05CROOKC 138 247014 CROOKCRK 12.0 Z1
OPEN BRANCH FROM BUS 242743 TO BUS 244726 CKT 1	/ 242743 05PARKHI 138 244726 PKHILL L 12.0 1
OPEN BRANCH FROM BUS 242759 TO BUS 244744 CKT 1 END	/ 242759 05POPLAR 138 244744 POPLARFK 12.0 1
CONTINGENCY '6055_B2_TOR3281A_MOAB'	
OPEN BRANCH FROM BUS 242660 TO BUS 242743 CKT 1	/ 242660 05H.RIDG 138 242743 05PARKHI 138 1
OPEN BRANCH FROM BUS 242743 TO BUS 242842 CKT 1	/ 242743 05PARKHI 138 242842 05W HUNT 138 1
OPEN BRANCH FROM BUS 242743 TO BUS 244726 CKT 1 END	/ 242743 05PARKHI 138 244726 PKHILL L 12.0 1
CONTINGENCY '6056_B2_TOR3281B_MOAB'	
OPEN BRANCH FROM BUS 242660 TO BUS 242759 CKT 1 END	/ 242660 05H.RIDG 138 242759 05POPLAR 138 1
CONTINGENCY '6057_B2_TOR3281C_MOAB'	
OPEN BRANCH FROM BUS 247013 TO BUS 242759 CKT 1 END	/ 247013 05CROOKC 138 242759 05POPLAR 138 1
CONTINGENCY '8104_B2_TOR3281D_MOAB'	
OPEN BRANCH FROM BUS 242537 TO BUS 247013 CKT 1 END	/ 242537 05AMOS 138 247013 05CROOKC 138 1
CONTINGENCY '5477_B2_TOR3641'	
OPEN BRANCH FROM BUS 242675 TO BUS 242848 CKT 1	/ 242675 05HUFFMN 138 242848 05WILLGP 138 1
OPEN BRANCH FROM BUS 242848 TO BUS 244155 CKT Z1 END	/ 242848 05WILLGP 138 244155 WILLGP-L 34.5 Z1
CONTINGENCY '5237_B2_TOR3761'	
OPEN BRANCH FROM BUS 242950 TO BUS 242955 CKT 1	/ 242950 05ACADEM 138 242955 05APPVLY 138 1
OPEN BRANCH FROM BUS 242955 TO BUS 243061 CKT 1	/ 242955 05APPVLY 138 243061 05NLEXTN 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243061 CKT 1	/ 243024 05HOWARD 138 243061 05NLEXTN 138 1
OPEN BRANCH FROM BUS 242955 TO BUS 245566 CKT 1	/ 242955 05APPVLY 138 245566 APPLEV8 12.0 1

OPEN BRANCH FROM BUS 243061 TO BUS 245555 CKT 1 END	/ 243061 05NLEXTN 138 245555 N LEXT L 12.0 1
CONTINGENCY '5735_B2_TOR4061_WOMOAB'	
OPEN BRANCH FROM BUS 243490 TO BUS 243533 CKT 1	/ 243490 05CORNER 138 243533 05LAYMAN 138 1
OPEN BRANCH FROM BUS 243533 TO BUS 247319 CKT 1	/ 243533 05LAYMAN 138 247319 05WOLFCK 138 1
OPEN BRANCH FROM BUS 243045 TO BUS 247319 CKT 1	/ 243045 05MUSKNG 138 247319 05WOLFCK 138 1
OPEN BRANCH FROM BUS 247319 TO BUS 243650 CKT 1 END	/ 247319 05WOLFCK 138 243650 05WOLF C 23.0 1
CONTINGENCY '5736_B2_TOR4061A_MOAB'	
OPEN BRANCH FROM BUS 243045 TO BUS 247319 CKT 1 END	/ 243045 05MUSKNG 138 247319 05WOLFCK 138 1
CONTINGENCY '5737_B2_TOR4061B_MOAB'	
OPEN BRANCH FROM BUS 243533 TO BUS 247319 CKT 1	/ 243533 05LAYMAN 138 247319 05WOLFCK 138 1
OPEN BRANCH FROM BUS 243045 TO BUS 247319 CKT 1	/ 243045 05MUSKNG 138 247319 05WOLFCK 138 1
OPEN BRANCH FROM BUS 247319 TO BUS 243650 CKT 1 END	/ 247319 05WOLFCK 138 243650 05WOLF C 23.0 1
CONTINGENCY '5738_B2_TOR4061C_MOAB'	
OPEN BRANCH FROM BUS 243490 TO BUS 243533 CKT 1 END	/ 243490 05CORNER 138 243533 05LAYMAN 138 1
CONTINGENCY '5739_B2_TOR4081_WOMOAB'	
OPEN BRANCH FROM BUS 243007 TO BUS 243070 CKT 1	/ 243007 05FRAZEY 138 243070 05OHIOCT 138 1
OPEN BRANCH FROM BUS 243007 TO BUS 243079 CKT 1	/ 243007 05FRAZEY 138 243079 05REFORM 138 1
OPEN BRANCH FROM BUS 243063 TO BUS 243079 CKT 1	/ 243063 05NNEWAR 138 243079 05REFORM 138 1
OPEN BRANCH FROM BUS 243007 TO BUS 245396 CKT 1	/ 243007 05FRAZEY 138 245396 FRAZEY L 12.0 1
OPEN BRANCH FROM BUS 243079 TO BUS 245533 CKT Z1 END	/ 243079 05REFORM 138 245533 REFORM8 12.0 Z1
CONTINGENCY '5740_B2_TOR4081A_MOAB'	
OPEN BRANCH FROM BUS 243063 TO BUS 243079 CKT 1 END	/ 243063 05NNEWAR 138 243079 05REFORM 138 1
CONTINGENCY '5741_B2_TOR4081B_MOAB'	
OPEN BRANCH FROM BUS 243007 TO BUS 243079 CKT 1	/ 243007 05FRAZEY 138 243079 05REFORM 138 1
OPEN BRANCH FROM BUS 243007 TO BUS 245396 CKT 1 END	/ 243007 05FRAZEY 138 245396 FRAZEY L 12.0 1
CONTINGENCY '5742_B2_TOR4081C_MOAB'	
OPEN BRANCH FROM BUS 243007 TO BUS 243070 CKT 1 END	/ 243007 05FRAZEY 138 243070 05OHIOCT 138 1
CONTINGENCY '5915_B2_TOR4306'	
OPEN BRANCH FROM BUS 243084 TO BUS 242807 CKT 1 END	/ 243084 05RUTLAN 138 242807 05SPORN 138 1
CONTINGENCY '6058_B2_TOR4388'	
OPEN BRANCH FROM BUS 242577 TO BUS 242579 CKT 1 END	/ 242577 05CARB 8 138 242579 05CARBMA 138 1
CONTINGENCY '5478_B2_TOR4581'	
OPEN BRANCH FROM BUS 242629 TO BUS 242770 CKT 1	/ 242629 05E.MONU 138 242770 05RIGIS 138 1
OPEN BRANCH FROM BUS 242770 TO BUS 243988 CKT 1 END	/ 242770 05RIGIS 138 243988 RIGIS 69.0 1
CONTINGENCY '5976_B2_TOR4643'	
OPEN BRANCH FROM BUS 243686 TO BUS 243694 CKT 1	/ 243686 05EXCELT 138 243694 05INEZ 138 1
OPEN BRANCH FROM BUS 243686 TO BUS 243695 CKT 1	/ 243686 05EXCELT 138 243695 05JOHNSC 138 1
OPEN BRANCH FROM BUS 243686 TO BUS 244641 CKT Z1 END	/ 243686 05EXCELT 138 244641 EXCEL L 12.0 Z1
CONTINGENCY '6935_B2_TOR4742_WOMOAB'	
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1	/ 243249 05BEECH 138 243260 05CNTYRD 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1	/ 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1	/ 243260 05CNTYRD 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 246419 CKT 1	/ 243249 05BEECH 138 246419 BEECH RD 12.0 1
OPEN BRANCH FROM BUS 243260 TO BUS 246398 CKT Z1 END	/ 243260 05CNTYRD 138 246398 CNTYRD L 12.0 Z1
CONTINGENCY '5642_B2_TOR4742A_MOAB'	
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1 END	/ 243249 05BEECH 138 243385 05TWIN B 138 1

CONTINGENCY '6936_B2_TOR4742B_MOAB'	
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1	/ 243249 05BEECH 138 243260 05CNTYRD 138 1
END	
CONTINGENCY '6937_B2_TOR4821_WOMOAB'	
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1	/ 243260 05CNTYRD 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243356 CKT 1	/ 243287 05EELKHA 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243356 TO BUS 246408 CKT 1	/ 243356 05OSOLO 138 246408 OSOLO 34.5 1
OPEN BRANCH FROM BUS 243356 TO BUS 246409 CKT 2	/ 243356 05OSOLO 138 246409 OSOLO L 12.0 2
OPEN BRANCH FROM BUS 243356 TO BUS 246409 CKT 3	/ 243356 05OSOLO 138 246409 OSOLO L 12.0 3
OPEN BRANCH FROM BUS 246397 TO BUS 246408 CKT 1	/ 246397 ELKHARTH 34.5 246408 OSOLO 34.5 1
OPEN BRANCH FROM BUS 246406 TO BUS 246408 CKT 1	/ 246406 N-WEST 34.5 246408 OSOLO 34.5 1
END	
CONTINGENCY '6938_B2_TOR4821A_MOAB'	
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1	/ 243260 05CNTYRD 138 243356 05OSOLO 138 1
END	
CONTINGENCY '6939_B2_TOR4821B_MOAB'	
OPEN BRANCH FROM BUS 243287 TO BUS 243356 CKT 1	/ 243287 05EELKHA 138 243356 05OSOLO 138 1
END	
CONTINGENCY '7330_B2_TOR4842'	
OPEN BRANCH FROM BUS 243111 TO BUS 243112 CKT Z1	/ 243111 05STMARY 138 243112 05STMARZ 138 Z1
OPEN BRANCH FROM BUS 243112 TO BUS 243122 CKT 1	/ 243112 05STMARZ 138 243122 05SW LIM 138 1
OPEN BRANCH FROM BUS 243112 TO BUS 243152 CKT 1	/ 243112 05STMARZ 138 243152 05WMOULT 138 1
OPEN BRANCH FROM BUS 243111 TO BUS 245905 CKT Z1	/ 243111 05STMARY 138 245905 ST MARYS 69.0 Z1
OPEN BRANCH FROM BUS 243152 TO BUS 243174 CKT 1	/ 243152 05WMOULT 138 243174 05MOULTO 69.0 1
END	
CONTINGENCY '8172_B2_TOR4861'	
REMOVE UNIT 1 FROM BUS 243084	/ 243084 05RUTLAN 138
REMOVE UNIT 2 FROM BUS 243084	/ 243084 05RUTLAN 138
END	
CONTINGENCY '5916_B2_TOR5001_WOMOAB'	
OPEN BRANCH FROM BUS 243549 TO BUS 243563 CKT 1	/ 243549 05MULBRY 138 243563 05ROZELL 138 1
OPEN BRANCH FROM BUS 243563 TO BUS 243585 CKT 1	/ 243563 05ROZELL 138 243585 05WAVERL 138 1
OPEN BRANCH FROM BUS 243563 TO BUS 246812 CKT 1	/ 243563 05ROZELL 138 246812 ROZELLE 13.1 1
END	
CONTINGENCY '5917_B2_TOR5001A_MOAB'	
OPEN BRANCH FROM BUS 243549 TO BUS 243563 CKT 1	/ 243549 05MULBRY 138 243563 05ROZELL 138 1
END	
CONTINGENCY '5918_B2_TOR5001B_MOAB'	
OPEN BRANCH FROM BUS 243563 TO BUS 243585 CKT 1	/ 243563 05ROZELL 138 243585 05WAVERL 138 1
END	
CONTINGENCY '5247_B2_TOR5161'	
OPEN BRANCH FROM BUS 243060 TO BUS 243156 CKT 1	/ 243060 05NINTIE 138 243156 05WNPIL 138 1
END	
CONTINGENCY '5480_B2_TOR5201A_MOAB'	
OPEN BRANCH FROM BUS 242569 TO BUS 242734 CKT 1	/ 242569 05BRUSHT 138 242734 05NEWLDN 138 1
END	
CONTINGENCY '5481_B2_TOR5204_WOMOAB'	
OPEN BRANCH FROM BUS 242561 TO BUS 242641 CKT 1	/ 242561 05BOONES 138 242641 05FOREST 138 1
OPEN BRANCH FROM BUS 242561 TO BUS 242765 CKT 1	/ 242561 05BOONES 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 242641 TO BUS 242734 CKT 1	/ 242641 05FOREST 138 242734 05NEWLDN 138 1
OPEN BRANCH FROM BUS 242561 TO BUS 243902 CKT 1	/ 242561 05BOONES 138 243902 BOONSB L 12.0 1
OPEN BRANCH FROM BUS 242641 TO BUS 243911 CKT 1	/ 242641 05FOREST 138 243911 FOREST L 12.0 1
OPEN BRANCH FROM BUS 242734 TO BUS 243937 CKT 1	/ 242734 05NEWLDN 138 243937 NEWLND 12.0 1
END	
CONTINGENCY '5482_B2_TOR5204A_MOAB'	
OPEN BRANCH FROM BUS 242561 TO BUS 242765 CKT 1	/ 242561 05BOONES 138 242765 05REUSEN 138 1
OPEN BRANCH FROM BUS 242561 TO BUS 243902 CKT 1	/ 242561 05BOONES 138 243902 BOONSB L 12.0 1
END	
CONTINGENCY '5483_B2_TOR5204B_MOAB'	
OPEN BRANCH FROM BUS 242561 TO BUS 242641 CKT 1	/ 242561 05BOONES 138 242641 05FOREST 138 1
END	

CONTINGENCY '5484_B2_TOR5204C_MOAB'	
OPEN BRANCH FROM BUS 242641 TO BUS 242734 CKT 1	/ 242641 05FOREST 138 242734 05NEWLDN 138 1
OPEN BRANCH FROM BUS 242734 TO BUS 243937 CKT 1	/ 242734 05NEWLDN 138 243937 NEWLND 12.0 1
END	
CONTINGENCY '5823_B2_TOR5282_WOMOAB'	
OPEN BRANCH FROM BUS 243509 TO BUS 243582 CKT 1	/ 243509 05FISHRD 138 243582 05TRABUE 138 1
OPEN BRANCH FROM BUS 243560 TO BUS 243582 CKT 1	/ 243560 05ROBERT 138 243582 05TRABUE 138 1
OPEN BRANCH FROM BUS 243582 TO BUS 246687 CKT 1	/ 243582 05TRABUE 138 246687 TRABUE 69.0 1
OPEN BRANCH FROM BUS 243582 TO BUS 246684 CKT 1	/ 243582 05TRABUE 138 246684 TRABUEL 13.8 1
OPEN BRANCH FROM BUS 246657 TO BUS 247094 CKT 1	/ 246657 GALLOWAY 69.0 247094 NGALWYSS 69.0 1
OPEN BRANCH FROM BUS 246588 TO BUS 246687 CKT 1	/ 246588 HILLIARD 69.0 246687 TRABUE 69.0 1
OPEN BRANCH FROM BUS 247094 TO BUS 246687 CKT 1	/ 247094 NGALWYSS 69.0 246687 TRABUE 69.0 1
END	
CONTINGENCY '5824_B2_TOR5282A_MOAB'	
OPEN BRANCH FROM BUS 243560 TO BUS 243582 CKT 1	/ 243560 05ROBERT 138 243582 05TRABUE 138 1
END	
CONTINGENCY '5825_B2_TOR5282B_MOAB'	
OPEN BRANCH FROM BUS 243509 TO BUS 243582 CKT 1	/ 243509 05FISHRD 138 243582 05TRABUE 138 1
END	
CONTINGENCY '8034_B2_TOR5443'	
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRVL 13.8 Z1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRVL 13.8
END	
CONTINGENCY '6059_B2_TOR5683'	
OPEN BRANCH FROM BUS 242537 TO BUS 242616 CKT 1	/ 242537 05AMOS 138 242616 05CURRY 138 1
OPEN BRANCH FROM BUS 242616 TO BUS 242717 CKT 1	/ 242616 05CURRY 138 242717 05MILTON 138 1
OPEN BRANCH FROM BUS 242616 TO BUS 244697 CKT 1	/ 242616 05CURRY 138 244697 CURRY L 12.0 1
END	
CONTINGENCY '6060_B2_TOR5685_WOMOAB'	
OPEN BRANCH FROM BUS 242573 TO BUS 242866 CKT 1	/ 242573 05CABELL 138 242866 05MERRIT 138 1
OPEN BRANCH FROM BUS 242573 TO BUS 242717 CKT 1	/ 242573 05CABELL 138 242717 05MILTON 138 1
OPEN BRANCH FROM BUS 242616 TO BUS 242717 CKT 1	/ 242616 05CURRY 138 242717 05MILTON 138 1
OPEN BRANCH FROM BUS 242622 TO BUS 242866 CKT 1	/ 242622 05DARRH2 138 242866 05MERRIT 138 1
OPEN BRANCH FROM BUS 242717 TO BUS 244722 CKT 1	/ 242717 05MILTON 138 244722 MILTON * 69.0 1
OPEN BRANCH FROM BUS 242573 TO BUS 244692 CKT 1	/ 242573 05CABELL 138 244692 CABELL L 34.5 1
OPEN BRANCH FROM BUS 242866 TO BUS 242967 CKT Z1	/ 242866 05MERRIT 138 242967 MERRITTS 34.5 Z1
OPEN BRANCH FROM BUS 242717 TO BUS 244723 CKT 1	/ 242717 05MILTON 138 244723 MILTON L 34.5 1
OPEN BRANCH FROM BUS 244715 TO BUS 244722 CKT 1	/ 244715 HURRICAN 69.0 244722 MILTON * 69.0 1
END	
CONTINGENCY '6061_B2_TOR5685A_MOAB'	
OPEN BRANCH FROM BUS 242622 TO BUS 242866 CKT 1	/ 242622 05DARRH2 138 242866 05MERRIT 138 1
END	
CONTINGENCY '7173_B2_TOR5685B_MOAB'	
OPEN BRANCH FROM BUS 242573 TO BUS 242866 CKT 1	/ 242573 05CABELL 138 242866 05MERRIT 138 1
END	
CONTINGENCY '6062_B2_TOR5685C_MOAB'	
OPEN BRANCH FROM BUS 242573 TO BUS 242717 CKT 1	/ 242573 05CABELL 138 242717 05MILTON 138 1
END	
CONTINGENCY '5978_B2_TOR5721_WOMOAB'	
OPEN BRANCH FROM BUS 243659 TO BUS 243676 CKT 1	/ 243659 BELFN5EQ 999 243676 05BELLF2 138 1
OPEN BRANCH FROM BUS 243659 TO BUS 244660 CKT 1	/ 243659 BELFN5EQ 999 244660 BELLEFNT 69.0 1
OPEN BRANCH FROM BUS 243659 TO BUS 243762 CKT 1	/ 243659 BELFN5EQ 999 243762 BELLEFNT 34.5 1
OPEN BRANCH FROM BUS 243674 TO BUS 243676 CKT 1	/ 243674 05BELHAV 138 243676 05BELLF2 138 1
OPEN BRANCH FROM BUS 243675 TO BUS 243676 CKT Z1	/ 243675 05BELLF1 138 243676 05BELLF2 138 Z1
OPEN BRANCH FROM BUS 243676 TO BUS 242659 CKT 1	/ 243676 05BELLF2 138 242659 05GRNGST 138 1
OPEN BRANCH FROM BUS 243676 TO BUS 243699 CKT 1	/ 243676 05BELLF2 138 243699 05OXYGEN 138 1
OPEN BRANCH FROM BUS 243699 TO BUS 244688 CKT Z1	/ 243699 05OXYGEN 138 244688 OXYGEN L 13.2 Z1
OPEN BRANCH FROM BUS 244655 TO BUS 243762 CKT 1	/ 244655 ARMCO 34.5 243762 BELLEFNT 34.5 1
END	
CONTINGENCY '5979_B2_TOR5721A_MOAB'	

OPEN BRANCH FROM BUS 243676 TO BUS 243699 CKT 1	/ 243676 05BELLF2 138 243699 05OXYGEN 138 1
OPEN BRANCH FROM BUS 243699 TO BUS 244688 CKT Z1	/ 243699 05OXYGEN 138 244688 OXYGEN L 13.2 Z1
END	
CONTINGENCY '5826_B2_TOR5941'	
OPEN BRANCH FROM BUS 243542 TO BUS 243577 CKT 1	/ 243542 05MIFFIN 138 243577 05STELZR 138 1
END	
CONTINGENCY '5827_B2_TOR5942'	
OPEN BRANCH FROM BUS 243542 TO BUS 243575 CKT 1	/ 243542 05MIFFIN 138 243575 05ST.CLR 138 1
END	
CONTINGENCY '5694_B2_TOR6081'	
OPEN BRANCH FROM BUS 242732 TO BUS 242851 CKT 1	/ 242732 05NBRSTL 138 242851 05WOLFH2 138 1
END	
CONTINGENCY '5695_B2_TOR6083_WOMOAB'	
OPEN BRANCH FROM BUS 244190 TO BUS 242646 CKT 1	/ 244190 FT.ROBEQ 999 242646 05FT.ROB 138 1
OPEN BRANCH FROM BUS 244190 TO BUS 244189 CKT 1	/ 244190 FT.ROBEQ 999 244189 FT.ROB 69.0 1
OPEN BRANCH FROM BUS 244190 TO BUS 244188 CKT 1	/ 244190 FT.ROBEQ 999 244188 FT.ROB 34.5 1
OPEN BRANCH FROM BUS 242646 TO BUS 242729 CKT 1	/ 242646 05FT.ROB 138 242729 05NAGEL 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1	/ 242738 05ORBNK1 138 242850 05WOLFH1 138 1
OPEN BRANCH FROM BUS 244188 TO BUS 244199 CKT 1	/ 244188 FT.ROB 34.5 244199 KYLEHILL 34.5 1
OPEN BRANCH FROM BUS 244188 TO BUS 244212 CKT 1	/ 244188 FT.ROB 34.5 244212 ROTHERWD 34.5 1
END	
CONTINGENCY '5696_B2_TOR6083A_MOAB'	
OPEN BRANCH FROM BUS 242646 TO BUS 242729 CKT 1	/ 242646 05FT.ROB 138 242729 05NAGEL 138 1
END	
CONTINGENCY '5697_B2_TOR6083B_MOAB'	
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1	/ 242738 05ORBNK1 138 242850 05WOLFH1 138 1
END	
CONTINGENCY '5698_B2_TOR6084'	
OPEN BRANCH FROM BUS 242566 TO BUS 242693 CKT 1	/ 242566 05BROADF 138 242693 05KEYWSS 138 1
OPEN BRANCH FROM BUS 242692 TO BUS 242693 CKT 1	/ 242692 05KEYWOD 138 242693 05KEYWSS 138 1
OPEN BRANCH FROM BUS 242693 TO BUS 242850 CKT 1	/ 242693 05KEYWSS 138 242850 05WOLFH1 138 1
OPEN BRANCH FROM BUS 242692 TO BUS 244247 CKT Z1	/ 242692 05KEYWOD 138 244247 KEYWOOD 4.00 Z1
END	
CONTINGENCY '6063_B2_TOR6121'	
OPEN BRANCH FROM BUS 242835 TO BUS 242838 CKT 1	/ 242835 05TRISTA 138 242838 05TWELVE 138 1
END	
CONTINGENCY '5980_B2_TOR6142'	
OPEN BRANCH FROM BUS 243676 TO BUS 242659 CKT 1	/ 243676 05BELLF2 138 242659 05GRNGST 138 1
END	
CONTINGENCY '5981_B2_TOR6182'	
OPEN BRANCH FROM BUS 243681 TO BUS 242835 CKT 1	/ 243681 05CHADWC 138 242835 05TRISTA 138 1
END	
CONTINGENCY '5982_B2_TOR6183'	
OPEN BRANCH FROM BUS 243681 TO BUS 242835 CKT 2	/ 243681 05CHADWC 138 242835 05TRISTA 138 2
END	
CONTINGENCY '5983_B2_TOR6184_WOMOAB'	
OPEN BRANCH FROM BUS 243674 TO BUS 243676 CKT 1	/ 243674 05BELHAV 138 243676 05BELLF2 138 1
OPEN BRANCH FROM BUS 243674 TO BUS 243681 CKT 1	/ 243674 05BELHAV 138 243681 05CHADWC 138 1
OPEN BRANCH FROM BUS 243681 TO BUS 243696 CKT 1	/ 243681 05CHADWC 138 243696 05KYELEC 138 1
OPEN BRANCH FROM BUS 243681 TO BUS 242835 CKT 1	/ 243681 05CHADWC 138 242835 05TRISTA 138 1
OPEN BRANCH FROM BUS 243681 TO BUS 242835 CKT 2	/ 243681 05CHADWC 138 242835 05TRISTA 138 2
OPEN BRANCH FROM BUS 243681 TO BUS 243713 CKT 1	/ 243681 05CHADWC 138 243713 CHADWICK 69.0 1
OPEN BRANCH FROM BUS 243696 TO BUS 244672 CKT 1	/ 243696 05KYELEC 138 244672 KYELST L 34.5 1
OPEN BRANCH FROM BUS 243674 TO BUS 244659 CKT 1	/ 243674 05BELHAV 138 244659 BELHVN L 12.0 1
OPEN BRANCH FROM BUS 243713 TO BUS 244667 CKT 1	/ 243713 CHADWICK 69.0 244667 ENGLNDHL 69.0 1
OPEN BRANCH FROM BUS 243713 TO BUS 244673 CKT 1	/ 243713 CHADWICK 69.0 244673 LEACH 69.0 1
END	
CONTINGENCY '5984_B2_TOR6184A_MOAB'	
OPEN BRANCH FROM BUS 243674 TO BUS 243676 CKT 1	/ 243674 05BELHAV 138 243676 05BELLF2 138 1

OPEN BRANCH FROM BUS 243674 TO BUS 244659 CKT 1	/ 243674 05BELHAV 138 244659 BELHVN L 12.0 1
END	
CONTINGENCY '5985_B2_TOR6184B_MOAB'	
OPEN BRANCH FROM BUS 243674 TO BUS 243681 CKT 1	/ 243674 05BELHAV 138 243681 05CHADWC 138 1
END	
CONTINGENCY '4809_B2_TOR6201'	
OPEN BRANCH FROM BUS 242523 TO BUS 270001 CKT 1	/ 242523 05BAKER 345 270001 05ZELDA 345 1
END	
CONTINGENCY '711_B2_TOR6224'	
OPEN BRANCH FROM BUS 242926 TO BUS 242928 CKT 1	/ 242926 05MALIS 765 242928 05MARYSV 765 1
END	
CONTINGENCY '5828_B2_TOR6225_WOMOAB'	
OPEN BRANCH FROM BUS 243537 TO BUS 243553 CKT 1	/ 243537 05MALIS 138 243553 05POLARS 138 1
OPEN BRANCH FROM BUS 243537 TO BUS 246584 CKT 56	/ 243537 05MALIS 138 246584 MALIS L 34.5 56
END	
CONTINGENCY '5829_B2_TOR6225A_MOAB'	
OPEN BRANCH FROM BUS 243537 TO BUS 243553 CKT 1	/ 243537 05MALIS 138 243553 05POLARS 138 1
END	
CONTINGENCY '5830_B2_TOR62261'	
OPEN BRANCH FROM BUS 243526 TO BUS 243537 CKT 1	/ 243526 05HYATT 138 243537 05MALIS 138 1
END	
CONTINGENCY '5831_B2_TOR62271'	
OPEN BRANCH FROM BUS 243526 TO BUS 243537 CKT 2	/ 243526 05HYATT 138 243537 05MALIS 138 2
END	
CONTINGENCY '5832_B2_TOR6228'	
OPEN BRANCH FROM BUS 243513 TO BUS 243537 CKT 2	/ 243513 05GENOA 138 243537 05MALIS 138 2
END	
CONTINGENCY '6068_B2_TOR6261_WOMOAB'	
OPEN BRANCH FROM BUS 242628 TO BUS 242699 CKT 1	/ 242628 05E.LYNN 138 242699 05LAVALT 138 1
OPEN BRANCH FROM BUS 242628 TO BUS 242716 CKT 1	/ 242628 05E.LYNN 138 242716 05MIDKIF 138 1
OPEN BRANCH FROM BUS 242699 TO BUS 242842 CKT 1	/ 242699 05LAVALT 138 242842 05W HUNT 138 1
OPEN BRANCH FROM BUS 242699 TO BUS 244739 CKT Z1	/ 242699 05LAVALT 138 244739 LAVALETT 34.5 Z1
OPEN BRANCH FROM BUS 242716 TO BUS 244747 CKT Z1	/ 242716 05MIDKIF 138 244747 MIDKIFFL 34.5 Z1
OPEN BRANCH FROM BUS 242628 TO BUS 244710 CKT 1	/ 242628 05E.LYNN 138 244710 E.LYNN L 13.0 1
END	
CONTINGENCY '6069_B2_TOR6261A_MOAB'	
OPEN BRANCH FROM BUS 242699 TO BUS 242842 CKT 1	/ 242699 05LAVALT 138 242842 05W HUNT 138 1
OPEN BRANCH FROM BUS 242699 TO BUS 244739 CKT Z1	/ 242699 05LAVALT 138 244739 LAVALETT 34.5 Z1
END	
CONTINGENCY '5986_B2_TOR6262_WOMOAB'	
OPEN BRANCH FROM BUS 243669 TO BUS 242673 CKT 1	/ 243669 05B SAND 138 242673 05HUBTWN 138 1
OPEN BRANCH FROM BUS 242673 TO BUS 242835 CKT 1	/ 242673 05HUBTWN 138 242835 05TRISTA 138 1
OPEN BRANCH FROM BUS 242673 TO BUS 244745 CKT 1	/ 242673 05HUBTWN 138 244745 HUBTWN L 34.5 1
END	
CONTINGENCY '5988_B2_TOR6262A_MOAB'	
OPEN BRANCH FROM BUS 242673 TO BUS 242835 CKT 1	/ 242673 05HUBTWN 138 242835 05TRISTA 138 1
END	
CONTINGENCY '5989_B2_TOR6263'	
OPEN BRANCH FROM BUS 243669 TO BUS 242659 CKT 1	/ 243669 05B SAND 138 242659 05GRNGST 138 1
END	
CONTINGENCY '5919_B2_TOR6281_WOMOAB'	
OPEN BRANCH FROM BUS 242987 TO BUS 243038 CKT 1	/ 242987 05DEXTER 138 243038 05MEIG1Z 138 1
OPEN BRANCH FROM BUS 243035 TO BUS 243038 CKT 1	/ 243035 05MEIG 1 138 243038 05MEIG1Z 138 1
OPEN BRANCH FROM BUS 243038 TO BUS 243084 CKT 1	/ 243038 05MEIG1Z 138 243084 05RUTLAN 138 1
OPEN BRANCH FROM BUS 243084 TO BUS 242807 CKT 1	/ 243084 05RUTLAN 138 242807 05SPORN 138 1
OPEN BRANCH FROM BUS 243035 TO BUS 244941 CKT 1	/ 243035 05MEIG 1 138 244941 MEIGS1 L 34.5 1
OPEN BRANCH FROM BUS 243084 TO BUS 244948 CKT Z1	/ 243084 05RUTLAN 138 244948 RUTLAND 34.5 Z1
REMOVE UNIT 1 FROM BUS 243084	/ 243084 05RUTLAN 138
REMOVE UNIT 2 FROM BUS 243084	/ 243084 05RUTLAN 138
END	
CONTINGENCY '5920_B2_TOR6281A_MOAB'	

OPEN BRANCH FROM BUS 242987 TO BUS 243038 CKT 1	/ 242987 05DEXTER 138 243038 05MEIG1Z 138 1
OPEN BRANCH FROM BUS 243035 TO BUS 243038 CKT 1	/ 243035 05MEIG 1 138 243038 05MEIG1Z 138 1
OPEN BRANCH FROM BUS 243038 TO BUS 243084 CKT 1	/ 243038 05MEIG1Z 138 243084 05RUTLAN 138 1
OPEN BRANCH FROM BUS 243035 TO BUS 244941 CKT 1	/ 243035 05MEIG 1 138 244941 MEIGS1 L 34.5 1
END	
CONTINGENCY '4817_B2_TOR6341'	
OPEN BRANCH FROM BUS 243225 TO BUS 243232 CKT 1	/ 243225 05KEYSTN 345 243232 05SORENS 345 1
END	
CONTINGENCY '4816_B2_TOR6342'	
OPEN BRANCH FROM BUS 243218 TO BUS 243225 CKT 1	/ 243218 05DESOTO 345 243225 05KEYSTN 345 1
END	
CONTINGENCY '5647_B2_TOR6363'	
OPEN BRANCH FROM BUS 243285 TO BUS 243380 CKT 1	/ 243285 05E.SIDE 138 243380 05STDBKR 138 1
OPEN BRANCH FROM BUS 243285 TO BUS 246316 CKT Z2	/ 243285 05E.SIDE 138 246316 E SIDE L 12.0 Z2
END	
CONTINGENCY '5648_B2_TOR6364'	
OPEN BRANCH FROM BUS 243318 TO BUS 243371 CKT 1	/ 243318 05JACKSR 138 243371 05S SIDE 138 1
OPEN BRANCH FROM BUS 243371 TO BUS 243380 CKT 1	/ 243371 05S SIDE 138 243380 05STDBKR 138 1
OPEN BRANCH FROM BUS 243371 TO BUS 246354 CKT 1	/ 243371 05S SIDE 138 246354 S SIDE L 12.0 1
END	
CONTINGENCY '2757_B2_TOR6381_MOAB'	
OPEN BRANCH FROM BUS 243783 TO BUS 243228 CKT 1	/ 243783 05EWHTLY 345 243228 05MERIDN 345 1
END	
CONTINGENCY '7451_B2_TOR6381_WOMOAB'	
OPEN BRANCH FROM BUS 243783 TO BUS 243228 CKT 1	/ 243783 05EWHTLY 345 243228 05MERIDN 345 1
OPEN BRANCH FROM BUS 243228 TO BUS 243232 CKT 1	/ 243228 05MERIDN 345 243232 05SORENS 345 1
END	
CONTINGENCY '2754_B2_TOR6381A_MOAB'	
OPEN BRANCH FROM BUS 243228 TO BUS 243232 CKT 1	/ 243228 05MERIDN 345 243232 05SORENS 345 1
END	
CONTINGENCY '2760_B2_TOR6382_WOMOAB'	
OPEN BRANCH FROM BUS 243783 TO BUS 243228 CKT 1	/ 243783 05EWHTLY 345 243228 05MERIDN 345 1
OPEN BRANCH FROM BUS 243228 TO BUS 243234 CKT 1	/ 243228 05MERIDN 345 243234 05TWIN B 345 1
END	
CONTINGENCY '2756_B2_TOR6382A_MOAB'	
OPEN BRANCH FROM BUS 243228 TO BUS 243234 CKT 1	/ 243228 05MERIDN 345 243234 05TWIN B 345 1
END	
CONTINGENCY '7466_B2_TOR7616'	
OPEN BRANCH FROM BUS 243211 TO BUS 242933 CKT 1	/ 243211 05ALLEN 345 242933 05RPMONE 345 1
END	
CONTINGENCY '6327_B2_TOR7631_WOMOAB'	
OPEN BRANCH FROM BUS 243520 TO BUS 243569 CKT 1	/ 243520 05HARGUS 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 243568 TO BUS 243569 CKT 1	/ 243568 05SCIOTO 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 243520 TO BUS 246806 CKT Z1	/ 243520 05HARGUS 138 246806 GELAMP 12.5 Z1
END	
CONTINGENCY '5921_B2_TOR7631A_MOAB'	
OPEN BRANCH FROM BUS 243520 TO BUS 243569 CKT 1	/ 243520 05HARGUS 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 243520 TO BUS 246806 CKT Z1	/ 243520 05HARGUS 138 246806 GELAMP 12.5 Z1
END	
CONTINGENCY '5833_B2_TOR7731'	
OPEN BRANCH FROM BUS 243510 TO BUS 243523 CKT 1	/ 243510 05GAHANN 138 243523 05HCREAN 138 1
END	
CONTINGENCY '5834_B2_TOR7732'	
OPEN BRANCH FROM BUS 243523 TO BUS 243547 CKT 1	/ 243523 05HCREAN 138 243547 05MORSE 138 1
END	
CONTINGENCY '737_B2_TOR7791'	
OPEN BRANCH FROM BUS 242931 TO BUS 242940 CKT 1	/ 242931 05BEVERL 345 242940 05MUSKNG 345 1
END	
CONTINGENCY '2845_B2_TOR7875'	
OPEN BRANCH FROM BUS 242523 TO BUS 270000 CKT 1	/ 242523 05BAKER 345 270000 05FOOTHL 345 1
END	

CONTINGENCY '734_B2_TOR8011'	
OPEN BRANCH FROM BUS 242940 TO BUS 242947 CKT 1	/ 242940 05MUSKNG 345 242947 05WATERF 345 1
END	
CONTINGENCY '4813_B2_TOR8311'	
OPEN BRANCH FROM BUS 243459 TO BUS 242949 CKT 1	/ 243459 05KIRK 345 242949 05WMILLP 345 1
END	
CONTINGENCY '716_B2_TOR8312'	
OPEN BRANCH FROM BUS 243454 TO BUS 243459 CKT 1	/ 243454 05BIXBY 345 243459 05KIRK 345 1
END	
CONTINGENCY '707_B2_TOR8315'	
OPEN BRANCH FROM BUS 242922 TO BUS 242928 CKT 1	/ 242922 05FTLCK 765 242928 05MARYSV 765 1
END	
CONTINGENCY '669_B2_TOR8331'	
OPEN BRANCH FROM BUS 243213 TO BUS 243216 CKT 1	/ 243213 05BREED 345 243216 05DARWIN 345 1
END	
CONTINGENCY '735_B2_TOR8433'	
OPEN BRANCH FROM BUS 242528 TO BUS 903780 CKT 1	/ 242528 05SPORN 345 903780 W3-128 TAP 345 1
END	
CONTINGENCY '8809_B2_TOR8433'	
OPEN BRANCH FROM BUS 242947 TO BUS 903780 CKT 1	/ 242947 05WATERF 345 903780 W3-128 TAP 345 1
END	
CONTINGENCY '8333_B2_TOR8880_WOMOAB'	
OPEN BRANCH FROM BUS 242605 TO BUS 243899 CKT 1	/ 242605 05CLNCHR 138 243899 05LOCKHA 138 1
OPEN BRANCH FROM BUS 243685 TO BUS 243899 CKT 1	/ 243685 05DORTON 138 243899 05LOCKHA 138 1
END	
CONTINGENCY '4812_B2_TOR8931'	
OPEN BRANCH FROM BUS 242921 TO BUS 242924 CKT 1	/ 242921 05CORNJ 765 242924 05HANG R 765 1
END	
CONTINGENCY '5699_B2_TOR9193'	
OPEN BRANCH FROM BUS 242670 TO BUS 242830 CKT 1	/ 242670 05HOLST2 138 242830 05TENNE2 138 1
END	
CONTINGENCY '6075_B2_TOR9201A_MOAB'	
OPEN BRANCH FROM BUS 242553 TO BUS 242671 CKT 1	/ 242553 05BETH 138 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 242553 TO BUS 244472 CKT 1	/ 242553 05BETH 138 244472 BETH L 12.0 1
END	
CONTINGENCY '5991_B2_TOR9202A_MOAB'	
OPEN BRANCH FROM BUS 243681 TO BUS 243696 CKT 1	/ 243681 05CHADWC 138 243696 05KYELEC 138 1
OPEN BRANCH FROM BUS 243696 TO BUS 244672 CKT 1	/ 243696 05KYELEC 138 244672 KYELST L 34.5 1
END	
CONTINGENCY '5700_B2_TOR9206'	
OPEN BRANCH FROM BUS 242669 TO BUS 242829 CKT 1	/ 242669 05HOLST1 138 242829 05TENNE1 138 1
OPEN BRANCH FROM BUS 242829 TO BUS 244216 CKT 1	/ 242829 05TENNE1 138 244216 TENESE L 13.0 1
END	
CONTINGENCY '6392_B2_TOR9217'	
OPEN BRANCH FROM BUS 246770 TO BUS 243070 CKT 1	/ 246770 05DRESND 138 243070 05OHIOCT 138 1
REMOVE UNIT 1A FROM BUS 246770	/ 246770 05DRESND 138
REMOVE UNIT 1B FROM BUS 246770	/ 246770 05DRESND 138
REMOVE UNIT 1S FROM BUS 246770	/ 246770 05DRESND 138
END	
CONTINGENCY '5835_B2_TOR9578_WOMOAB'	
OPEN BRANCH FROM BUS 246631 TO BUS 243475 CKT 1	/ 246631 BLEND-EQ 999 243475 05BLEND0 138 1
OPEN BRANCH FROM BUS 246631 TO BUS 246632 CKT 1	/ 246631 BLEND-EQ 999 246632 BLEND-L 34.5 1
OPEN BRANCH FROM BUS 246631 TO BUS 246632 CKT 1	/ 246631 BLEND-EQ 999 246632 BLEND-L 34.5 1
OPEN BRANCH FROM BUS 246631 TO BUS 246607 CKT 1	/ 246631 BLEND-EQ 999 246607 BLENDN L 13.8 1
OPEN BRANCH FROM BUS 243475 TO BUS 243491 CKT 1	/ 243475 05BLEND0 138 243491 05CORRID 138 1
OPEN BRANCH FROM BUS 243475 TO BUS 243547 CKT 1	/ 243475 05BLEND0 138 243547 05MORSE 138 1
OPEN BRANCH FROM BUS 243475 TO BUS 246632 CKT 1	/ 243475 05BLEND0 138 246632 BLEND-L 34.5 1
END	
CONTINGENCY '5836_B2_TOR9578A_MOAB'	
OPEN BRANCH FROM BUS 243475 TO BUS 243491 CKT 1	/ 243475 05BLEND0 138 243491 05CORRID 138 1
OPEN BRANCH FROM BUS 243475 TO BUS 243547 CKT 1	/ 243475 05BLEND0 138 243547 05MORSE 138 1


```

END
CONTINGENCY '5701_B2_TOR9998'
  OPEN BRANCH FROM BUS 242533 TO BUS 242811 CKT 1      / 242533 05ABINGD 138 242811 05SPRING 138 1
  OPEN BRANCH FROM BUS 242811 TO BUS 242851 CKT 1      / 242811 05SPRING 138 242851 05WOLFH2 138 1
  OPEN BRANCH FROM BUS 242811 TO BUS 244253 CKT 1      / 242811 05SPRING 138 244253 SPRINGCR 12.0 1
END
CONTINGENCY '5922_B2_TOR10098_WOMOAB'
  OPEN BRANCH FROM BUS 243023 TO BUS 243531 CKT 1      / 243023 05HOCKNG 138 243531 05KIMBRY 138 1
  OPEN BRANCH FROM BUS 243531 TO BUS 243555 CKT 1      / 243531 05KIMBRY 138 243555 05POSTON 138 1
  OPEN BRANCH FROM BUS 243023 TO BUS 245580 CKT 1      / 243023 05HOCKNG 138 245580 HOCKING 69.0 1
  OPEN BRANCH FROM BUS 243531 TO BUS 246781 CKT 1      / 243531 05KIMBRY 138 246781 KIMBERL 12.0 1
END
CONTINGENCY '5923_B2_TOR10098A_MOAB'
  OPEN BRANCH FROM BUS 243531 TO BUS 243555 CKT 1      / 243531 05KIMBRY 138 243555 05POSTON 138 1
END
CONTINGENCY '5924_B2_TOR10098B_MOAB'
  OPEN BRANCH FROM BUS 243023 TO BUS 243531 CKT 1      / 243023 05HOCKNG 138 243531 05KIMBRY 138 1
END
CONTINGENCY '5743_B2_TOR10217'
  OPEN BRANCH FROM BUS 243023 TO BUS 243149 CKT 1      / 243023 05HOCKNG 138 243149 05WLANCS 138 1
END
CONTINGENCY '4818_B2_TOR10677'
  OPEN BRANCH FROM BUS 243226 TO BUS 243233 CKT 1      / 243226 05LAWBG1 345 243233 05TANNER 345 1
END
CONTINGENCY '4819_B2_TOR10678'
  OPEN BRANCH FROM BUS 243227 TO BUS 243233 CKT 2      / 243227 05LAWBG2 345 243233 05TANNER 345 2
END
CONTINGENCY '5837_B2_TOR10957'
  OPEN BRANCH FROM BUS 243495 TO BUS 243499 CKT 1      / 243495 05DAVIDS 138 243499 05DUBLIN 138 1
END
CONTINGENCY '5649_B2_TOR11159_WOMOAB'
  OPEN BRANCH FROM BUS 243236 TO BUS 243395 CKT 1      / 243236 0523RD 2 138 243395 05WESTH2 138 1
  OPEN BRANCH FROM BUS 243275 TO BUS 243325 CKT 1      / 243275 05DELAWR 138 243325 05LANTRN 138 1
  OPEN BRANCH FROM BUS 243325 TO BUS 243395 CKT 1      / 243325 05LANTRN 138 243395 05WESTH2 138 1
  OPEN BRANCH FROM BUS 243236 TO BUS 246072 CKT 2      / 243236 0523RD 2 138 246072 23RD 2 34.5 2
  OPEN BRANCH FROM BUS 243395 TO BUS 246067 CKT 1      / 243395 05WESTH2 138 246067 WESTHS L 13.0 1
  OPEN BRANCH FROM BUS 243325 TO BUS 246075 CKT Z1     / 243325 05LANTRN 138 246075 LANTERNL 12.0 Z1
END
CONTINGENCY '5650_B2_TOR11159A_MOAB'
  OPEN BRANCH FROM BUS 243275 TO BUS 243325 CKT 1      / 243275 05DELAWR 138 243325 05LANTRN 138 1
END
CONTINGENCY '5651_B2_TOR11159B_MOAB'
  OPEN BRANCH FROM BUS 243236 TO BUS 243395 CKT 1      / 243236 0523RD 2 138 243395 05WESTH2 138 1
  OPEN BRANCH FROM BUS 243325 TO BUS 243395 CKT 1      / 243325 05LANTRN 138 243395 05WESTH2 138 1
  OPEN BRANCH FROM BUS 243236 TO BUS 246072 CKT 2      / 243236 0523RD 2 138 246072 23RD 2 34.5 2
  OPEN BRANCH FROM BUS 243395 TO BUS 246067 CKT 1      / 243395 05WESTH2 138 246067 WESTHS L 13.0 1
END
CONTINGENCY '5838_B2_TOR11337'
  OPEN BRANCH FROM BUS 243469 TO BUS 243519 CKT 1      / 243469 05BEATTY 138 243519 05HALLRD 138 1
END
CONTINGENCY '5839_B2_TOR11338'
  OPEN BRANCH FROM BUS 243509 TO BUS 243587 CKT 1      / 243509 05FISHRD 138 243587 05WILSNZ 138 1
  OPEN BRANCH FROM BUS 243519 TO BUS 243587 CKT 1      / 243519 05HALLRD 138 243587 05WILSNZ 138 1
  OPEN BRANCH FROM BUS 243587 TO BUS 243588 CKT 1      / 243587 05WILSNZ 138 243588 05WILSON 138 1
END
CONTINGENCY '5840_B2_TOR11417_WOMOAB'
  OPEN BRANCH FROM BUS 243478 TO BUS 243493 CKT 1      / 243478 05BRKSHR 138 243493 05CRVERD 138 1
  OPEN BRANCH FROM BUS 243478 TO BUS 243574 CKT 1      / 243478 05BRKSHR 138 243574 05SNBRY 138 1
  OPEN BRANCH FROM BUS 243493 TO BUS 243498 CKT 1      / 243493 05CRVERD 138 243498 05DLAWAR 138 1
  OPEN BRANCH FROM BUS 243478 TO BUS 246637 CKT 1      / 243478 05BRKSHR 138 246637 BERKSHRL 34.5 1
  OPEN BRANCH FROM BUS 243493 TO BUS 246633 CKT Z1     / 243493 05CRVERD 138 246633 ZEIGLERL 12.5 Z1

```

END	
CONTINGENCY '5841_B2_TOR11417A_MOAB'	
OPEN BRANCH FROM BUS 243478 TO BUS 243493 CKT 1	/ 243478 05BRKSHR 138 243493 05CRVERD 138 1
OPEN BRANCH FROM BUS 243493 TO BUS 243498 CKT 1	/ 243493 05CRVERD 138 243498 05DLAWAR 138 1
OPEN BRANCH FROM BUS 243493 TO BUS 246633 CKT 21	/ 243493 05CRVERD 138 246633 ZEIGLERL 12.5 Z1
END	
CONTINGENCY '5842_B2_TOR11418_WOMOAB'	
OPEN BRANCH FROM BUS 243478 TO BUS 243574 CKT 1	/ 243478 05BRKSHR 138 243574 05SNBRY 138 1
OPEN BRANCH FROM BUS 243482 TO BUS 243583 CKT 1	/ 243482 05CENTBG 138 243583 05TRENT 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 243583 CKT 1	/ 243574 05SNBRY 138 243583 05TRENT 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 246625 CKT 1	/ 243574 05SNBRY 138 246625 SUNBRY-L 13.8 1
END	
CONTINGENCY '5843_B2_TOR11418A_MOAB'	
OPEN BRANCH FROM BUS 243478 TO BUS 243574 CKT 1	/ 243478 05BRKSHR 138 243574 05SNBRY 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 243583 CKT 1	/ 243574 05SNBRY 138 243583 05TRENT 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 246625 CKT 1	/ 243574 05SNBRY 138 246625 SUNBRY-L 13.8 1
END	
CONTINGENCY '5702_B2_TOR11457_WOMOAB'	
OPEN BRANCH FROM BUS 242533 TO BUS 242605 CKT 1	/ 242533 05ABINGD 138 242605 05CLNCHR 138 1
OPEN BRANCH FROM BUS 242533 TO BUS 242861 CKT 1	/ 242533 05ABINGD 138 242861 ABINGDON 69.0 1
OPEN BRANCH FROM BUS 242861 TO BUS 244241 CKT 1	/ 242861 ABINGDON 69.0 244241 HILLMAN 69.0 1
END	
CONTINGENCY '5703_B2_TOR11457A_MOAB'	
OPEN BRANCH FROM BUS 242533 TO BUS 242605 CKT 1	/ 242533 05ABINGD 138 242605 05CLNCHR 138 1
END	
CONTINGENCY '5744_B2_TOR11538'	
OPEN BRANCH FROM BUS 243490 TO BUS 243554 CKT 1	/ 243490 05CORNER 138 243554 05PORTER 138 1
OPEN BRANCH FROM BUS 243554 TO BUS 243573 CKT 1	/ 243554 05PORTER 138 243573 05SHELL 138 1
END	
CONTINGENCY '5745_B2_TOR11539'	
OPEN BRANCH FROM BUS 243514 TO BUS 243521 CKT 1	/ 243514 05GOODR 138 243521 05HARMRH 138 1
OPEN BRANCH FROM BUS 243514 TO BUS 243543 CKT 1	/ 243514 05GOODR 138 243543 05MILLCR 138 1
OPEN BRANCH FROM BUS 243515 TO BUS 243521 CKT 1	/ 243515 05GORSCH 138 243521 05HARMRH 138 1
END	
CONTINGENCY '5747_B2_TOR11541A_MOAB'	
OPEN BRANCH FROM BUS 243470 TO BUS 243496 CKT 1	/ 243470 05BELPRE 138 243496 05DEGUSS 138 1
OPEN BRANCH FROM BUS 243490 TO BUS 243496 CKT 1	/ 243490 05CORNER 138 243496 05DEGUSS 138 1
END	
CONTINGENCY '5749_B2_TOR11542'	
OPEN BRANCH FROM BUS 243490 TO BUS 243564 CKT 1	/ 243490 05CORNER 138 243564 05RVRVW1 138 1
END	
CONTINGENCY '5750_B2_TOR11543'	
OPEN BRANCH FROM BUS 243505 TO BUS 243564 CKT 1	/ 243505 05ELKEM 138 243564 05RVRVW1 138 1
END	
CONTINGENCY '5751_B2_TOR11544'	
OPEN BRANCH FROM BUS 243515 TO BUS 243564 CKT 1	/ 243515 05GORSCH 138 243564 05RVRVW1 138 1
END	
CONTINGENCY '5250_B2_TOR11579A_MOAB'	
OPEN BRANCH FROM BUS 243008 TO BUS 243009 CKT 1	/ 243008 05FREMCT 138 243009 05FRMNT 138 1
END	
CONTINGENCY '5844_B2_TOR11697'	
OPEN BRANCH FROM BUS 243508 TO BUS 243575 CKT 1	/ 243508 05ITALNV 138 243575 05ST.CLR 138 1
END	
CONTINGENCY '5845_B2_TOR11698'	
OPEN BRANCH FROM BUS 243508 TO BUS 243584 CKT 1	/ 243508 05ITALNV 138 243584 05VINE 138 1
END	
CONTINGENCY '5652_B2_TOR11777'	
OPEN BRANCH FROM BUS 243264 TO BUS 243398 CKT 1	/ 243264 05CONCOR 138 243398 05WOLF 138 1
END	
CONTINGENCY '5656_B2_TOR11838'	
OPEN BRANCH FROM BUS 243246 TO BUS 243247 CKT 1	/ 243246 05AUBUNC 138 243247 05AUBURN 138 1

OPEN BRANCH FROM BUS 243246 TO BUS 243295 CKT 1	/ 243246 05AUBUNC 138 243295 05GARRET 138 1
OPEN BRANCH FROM BUS 243246 TO BUS 246177 CKT 1	/ 243246 05AUBUNC 138 246177 ABRNCTY5 69.0 1
OPEN BRANCH FROM BUS 246175 TO BUS 246177 CKT 1	/ 246175 ABRNCTY1 69.0 246177 ABRNCTY5 69.0 1
END	
CONTINGENCY '314_B2_TOR11977'	
OPEN BRANCH FROM BUS 242514 TO BUS 242517 CKT 1	/ 242514 05J.FERR 765 242517 05WYOMIN 765 1
END	
CONTINGENCY '5992_B2_TOR12037'	
OPEN BRANCH FROM BUS 243664 TO BUS 243668 CKT 1	/ 243664 05HAZARD 161 243668 05WOOTEN 161 1
OPEN BRANCH FROM BUS 243664 TO BUS 243693 CKT 1	/ 243664 05HAZARD 161 243693 05HAZRD2 138 1
END	
CONTINGENCY '5993_B2_TOR12038_WOMOAB'	
OPEN BRANCH FROM BUS 243665 TO BUS 243667 CKT 1	/ 243665 05LESLIE 161 243667 05STINNE 161 1
OPEN BRANCH FROM BUS 243665 TO BUS 243668 CKT 1	/ 243665 05LESLIE 161 243668 05WOOTEN 161 1
OPEN BRANCH FROM BUS 243665 TO BUS 243738 CKT 1	/ 243665 05LESLIE 161 243738 LESLIE 69.0 1
END	
CONTINGENCY '5994_B2_TOR12038A_MOAB'	
OPEN BRANCH FROM BUS 243665 TO BUS 243668 CKT 1	/ 243665 05LESLIE 161 243668 05WOOTEN 161 1
END	
CONTINGENCY '5252_B2_TOR12239_WOMOAB'	
OPEN BRANCH FROM BUS 243024 TO BUS 243050 CKT 1	/ 243024 05HOWARD 138 243050 05NBELVL 138 1
OPEN BRANCH FROM BUS 243050 TO BUS 245567 CKT 1	/ 243050 05NBELVL 138 245567 NBELLVIL 69.0 1
END	
CONTINGENCY '5253_B2_TOR12239A_MOAB'	
OPEN BRANCH FROM BUS 243024 TO BUS 243050 CKT 1	/ 243024 05HOWARD 138 243050 05NBELVL 138 1
END	
CONTINGENCY '8408_B2_TOR12240_WOMOAB'	
OPEN BRANCH FROM BUS 247302 TO BUS 242962 CKT Z1	/ 247302 05BLDBG8 138 242962 05BLDBGZ 138 Z1
OPEN BRANCH FROM BUS 242962 TO BUS 247278 CKT 1	/ 242962 05BLDBGZ 138 247278 05MILL1Z 138 1
OPEN BRANCH FROM BUS 242962 TO BUS 243070 CKT 1	/ 242962 05BLDBGZ 138 243070 05OHIOCT 138 1
OPEN BRANCH FROM BUS 247278 TO BUS 243044 CKT Z1	/ 247278 05MILL1Z 138 243044 05MILLWO 138 Z1
OPEN BRANCH FROM BUS 247278 TO BUS 243050 CKT 1	/ 247278 05MILL1Z 138 243050 05NBELVL 138 1
OPEN BRANCH FROM BUS 247302 TO BUS 245539 CKT Z1	/ 247302 05BLDBG8 138 245539 BLADE L8 12.0 Z1
OPEN BRANCH FROM BUS 243044 TO BUS 245552 CKT Z1	/ 243044 05MILLWO 138 245552 MILLWD L 12.0 Z1
END	
CONTINGENCY '8767_B2_TOR12240_MOAB'	
OPEN BRANCH FROM BUS 247302 TO BUS 242962 CKT Z1	/ 247302 05BLDBG8 138 242962 05BLDBGZ 138 Z1
OPEN BRANCH FROM BUS 242962 TO BUS 247278 CKT 1	/ 242962 05BLDBGZ 138 247278 05MILL1Z 138 1
OPEN BRANCH FROM BUS 242962 TO BUS 243070 CKT 1	/ 242962 05BLDBGZ 138 243070 05OHIOCT 138 1
OPEN BRANCH FROM BUS 247278 TO BUS 243044 CKT Z1	/ 247278 05MILL1Z 138 243044 05MILLWO 138 Z1
OPEN BRANCH FROM BUS 247278 TO BUS 243050 CKT 1	/ 247278 05MILL1Z 138 243050 05NBELVL 138 1
OPEN BRANCH FROM BUS 247302 TO BUS 245539 CKT Z1	/ 247302 05BLDBG8 138 245539 BLADE L8 12.0 Z1
END	
CONTINGENCY '5258_B2_TOR12477_WOMOAB'	
OPEN BRANCH FROM BUS 243151 TO BUS 243158 CKT 1	/ 243151 05WMILLS 138 243158 05WOOSTE 138 1
OPEN BRANCH FROM BUS 243151 TO BUS 245374 CKT 1	/ 243151 05WMILLS 138 245374 WMILLRBG 69.0 1
OPEN BRANCH FROM BUS 243151 TO BUS 245366 CKT Z1	/ 243151 05WMILLS 138 245366 WMILLS 8 12.0 Z1
END	
CONTINGENCY '5259_B2_TOR12477A_MOAB'	
OPEN BRANCH FROM BUS 243151 TO BUS 243158 CKT 1	/ 243151 05WMILLS 138 243158 05WOOSTE 138 1
END	
CONTINGENCY '5260_B2_TOR12478_WOMOAB'	
OPEN BRANCH FROM BUS 242973 TO BUS 243105 CKT 1	/ 242973 05BUCKH8 138 243105 05SMILLB 138 1
OPEN BRANCH FROM BUS 242973 TO BUS 243145 CKT 1	/ 242973 05BUCKH8 138 243145 05WCOSHC 138 1
OPEN BRANCH FROM BUS 243070 TO BUS 243145 CKT 1	/ 243070 05OHIOCT 138 243145 05WCOSHC 138 1
OPEN BRANCH FROM BUS 243105 TO BUS 243151 CKT 1	/ 243105 05SMILLB 138 243151 05WMILLS 138 1
OPEN BRANCH FROM BUS 243145 TO BUS 245350 CKT 1	/ 243145 05WCOSHC 138 245350 W COSHTN 69.0 1
OPEN BRANCH FROM BUS 243105 TO BUS 245343 CKT 1	/ 243105 05SMILLB 138 245343 S MILLBR 34.5 1
OPEN BRANCH FROM BUS 242973 TO BUS 245359 CKT Z1	/ 242973 05BUCKH8 138 245359 BUCKHN8L 12.0 Z1
END	
CONTINGENCY '5261_B2_TOR12478A_MOAB'	

OPEN BRANCH FROM BUS 242973 TO BUS 243105 CKT 1	/ 242973 05BUCKH8 138 243105 05SMILLB 138 1
OPEN BRANCH FROM BUS 242973 TO BUS 243145 CKT 1	/ 242973 05BUCKH8 138 243145 05WCOSHC 138 1
OPEN BRANCH FROM BUS 243070 TO BUS 243145 CKT 1	/ 243070 05OHIOCT 138 243145 05WCOSHC 138 1
OPEN BRANCH FROM BUS 243145 TO BUS 245350 CKT 1	/ 243145 05WCOSHC 138 245350 W COSHTN 69.0 1
OPEN BRANCH FROM BUS 243105 TO BUS 245343 CKT 1	/ 243105 05SMILLB 138 245343 S MILLBR 34.5 1
OPEN BRANCH FROM BUS 242973 TO BUS 245359 CKT Z1	/ 242973 05BUCKH8 138 245359 BUCKHN8L 12.0 Z1
END	
CONTINGENCY '5262_B2_TOR12478B_MOAB'	
OPEN BRANCH FROM BUS 243105 TO BUS 243151 CKT 1	/ 243105 05SMILLB 138 243151 05WMILLS 138 1
END	
CONTINGENCY '6079_B2_TOR12518_WOMOAB'	
OPEN BRANCH FROM BUS 242782 TO BUS 242836 CKT 1	/ 242782 05RUTH 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242782 TO BUS 244807 CKT Z1	/ 242782 05RUTH 138 244807 RUTH L 12.0 Z1
END	
CONTINGENCY '8186_B2_TOR12518A_MOAB'	
OPEN BRANCH FROM BUS 242782 TO BUS 242836 CKT 1	/ 242782 05RUTH 138 242836 05TURN1 138 1
END	
CONTINGENCY '8361_B2_TOR12519_WOMOAB'	
OPEN BRANCH FROM BUS 242596 TO BUS 242813 CKT 1	/ 242596 05CHESTR 138 242813 05SRIDGE 138 1
OPEN BRANCH FROM BUS 242813 TO BUS 242836 CKT 1	/ 242813 05SRIDGE 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242813 TO BUS 244772 CKT Z1	/ 242813 05SRIDGE 138 244772 S RIDGE 12.0 Z1
END	
CONTINGENCY '8362_B2_TOR12519A_MOAB'	
OPEN BRANCH FROM BUS 242813 TO BUS 242836 CKT 1	/ 242813 05SRIDGE 138 242836 05TURN1 138 1
END	
CONTINGENCY '8363_B2_TOR12519B_MOAB'	
OPEN BRANCH FROM BUS 242596 TO BUS 242813 CKT 1	/ 242596 05CHESTR 138 242813 05SRIDGE 138 1
END	
CONTINGENCY '5846_B2_TOR12537_WOMOAB'	
OPEN BRANCH FROM BUS 243469 TO BUS 243586 CKT 1	/ 243469 05BEATTY 138 243586 05WHITER 138 1
OPEN BRANCH FROM BUS 243586 TO BUS 246658 CKT 1	/ 243586 05WHITER 138 246658 WHITERDL 13.8 1
END	
CONTINGENCY '5847_B2_TOR12537A_MOAB'	
OPEN BRANCH FROM BUS 243469 TO BUS 243586 CKT 1	/ 243469 05BEATTY 138 243586 05WHITER 138 1
END	
CONTINGENCY '5848_B2_TOR12538'	
OPEN BRANCH FROM BUS 243481 TO BUS 243586 CKT 1	/ 243481 05CANAL 138 243586 05WHITER 138 1
END	
CONTINGENCY '5356_B2_TOR12638'	
OPEN BRANCH FROM BUS 244477 TO BUS 242554 CKT 1	/ 244477 BIM EQ 999 242554 05BIM 138 1
OPEN BRANCH FROM BUS 244477 TO BUS 244475 CKT 1	/ 244477 BIM EQ 999 244475 BIM 69.0 1
OPEN BRANCH FROM BUS 244477 TO BUS 244474 CKT 1	/ 244477 BIM EQ 999 244474 BIM 46.0 1
OPEN BRANCH FROM BUS 242554 TO BUS 242847 CKT 1	/ 242554 05BIM 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 242820 CKT 1	/ 242799 05SHUMAT 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 242847 CKT 1	/ 242799 05SHUMAT 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242846 TO BUS 242847 CKT 1	/ 242846 05WHARTN 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 244487 CKT Z1	/ 242799 05SHUMAT 138 244487 SHUMATE 23.0 Z1
OPEN BRANCH FROM BUS 242846 TO BUS 244533 CKT 1	/ 242846 05WHARTN 138 244533 WHARTONL 13.2 1
OPEN BRANCH FROM BUS 244475 TO BUS 244479 CKT 1	/ 244475 BIM 69.0 244479 CHAP 69.0 1
OPEN BRANCH FROM BUS 244475 TO BUS 244504 CKT 1	/ 244475 BIM 69.0 244504 KOHLSAAT 69.0 1
END	
CONTINGENCY '5658_B2_TOR12977_WOMOAB'	
OPEN BRANCH FROM BUS 246371 TO BUS 243388 CKT 1	/ 246371 W SIDEEQ 999 243388 05W SIDE 138 1
OPEN BRANCH FROM BUS 246371 TO BUS 246372 CKT 1	/ 246371 W SIDEEQ 999 246372 W.SIDE 69.0 1
OPEN BRANCH FROM BUS 246371 TO BUS 246369 CKT 1	/ 246371 W SIDEEQ 999 246369 W SIDE 34.5 1
OPEN BRANCH FROM BUS 243320 TO BUS 243388 CKT 1	/ 243320 05KANKAK 138 243388 05W SIDE 138 1
OPEN BRANCH FROM BUS 243380 TO BUS 243388 CKT 1	/ 243380 05STDBKR 138 243388 05W SIDE 138 1
OPEN BRANCH FROM BUS 243388 TO BUS 246370 CKT 3	/ 243388 05W SIDE 138 246370 W SIDE L 12.0 3
END	
CONTINGENCY '5659_B2_TOR12977A_MOAB'	
OPEN BRANCH FROM BUS 243320 TO BUS 243388 CKT 1	/ 243320 05KANKAK 138 243388 05W SIDE 138 1

END
CONTINGENCY '5660_B2_TOR12977B_MOAB'
OPEN BRANCH FROM BUS 243380 TO BUS 243388 CKT 1 / 243380 05STDBKR 138 243388 05W SIDE 138 1
END
CONTINGENCY '5849_B2_TOR13017'
OPEN BRANCH FROM BUS 243516 TO BUS 243526 CKT 1 / 243516 05GREIF 138 243526 05HYATT 138 1
END
CONTINGENCY '5850_B2_TOR13018'
OPEN BRANCH FROM BUS 243516 TO BUS 243525 CKT 1 / 243516 05GREIF 138 243525 05HUNTLE 138 1
END
CONTINGENCY '5357_B2_TOR13057_WOMOAB'
OPEN BRANCH FROM BUS 242686 TO BUS 242730 CKT 1 / 242686 05JEHUBR 138 242730 05NBECKL 138 1
OPEN BRANCH FROM BUS 242686 TO BUS 242824 CKT 1 / 242686 05JEHUBR 138 242824 05TAMSM1 138 1
OPEN BRANCH FROM BUS 242686 TO BUS 244417 CKT Z1 / 242686 05JEHUBR 138 244417 JEHU BR 34.5 Z1
END
CONTINGENCY '5358_B2_TOR13057A_MOAB'
OPEN BRANCH FROM BUS 242686 TO BUS 242824 CKT 1 / 242686 05JEHUBR 138 242824 05TAMSM1 138 1
END
CONTINGENCY '5359_B2_TOR13057B_MOAB'
OPEN BRANCH FROM BUS 242686 TO BUS 242730 CKT 1 / 242686 05JEHUBR 138 242730 05NBECKL 138 1
END
CONTINGENCY '5360_B2_TOR13058_WOMOAB'
OPEN BRANCH FROM BUS 242564 TO BUS 242758 CKT 1 / 242564 05BRADL1 138 242758 05POLEYD 138 1
OPEN BRANCH FROM BUS 242686 TO BUS 242730 CKT 1 / 242686 05JEHUBR 138 242730 05NBECKL 138 1
OPEN BRANCH FROM BUS 242730 TO BUS 242758 CKT 1 / 242730 05NBECKL 138 242758 05POLEYD 138 1
OPEN BRANCH FROM BUS 242730 TO BUS 244424 CKT Z1 / 242730 05NBECKL 138 244424 NBECKL L 34.5 Z1
OPEN BRANCH FROM BUS 242730 TO BUS 244434 CKT Z1 / 242730 05NBECKL 138 244434 NBECKL L 12.0 Z1
OPEN BRANCH FROM BUS 242758 TO BUS 244415 CKT Z1 / 242758 05POLEYD 138 244415 POLEYARD 12.0 Z1
END
CONTINGENCY '5361_B2_TOR13058A_MOAB'
OPEN BRANCH FROM BUS 242564 TO BUS 242758 CKT 1 / 242564 05BRADL1 138 242758 05POLEYD 138 1
END
CONTINGENCY '5362_B2_TOR13058B_MOAB'
OPEN BRANCH FROM BUS 242730 TO BUS 242758 CKT 1 / 242730 05NBECKL 138 242758 05POLEYD 138 1
END
CONTINGENCY '5851_B2_TOR13377_WOMOAB'
OPEN BRANCH FROM BUS 243471 TO BUS 243495 CKT 1 / 243471 05BETHEL 138 243495 05DAVIDS 138 1
OPEN BRANCH FROM BUS 243495 TO BUS 243499 CKT 1 / 243495 05DAVIDS 138 243499 05DUBLIN 138 1
END
CONTINGENCY '5852_B2_TOR13377A_MOAB'
OPEN BRANCH FROM BUS 243471 TO BUS 243495 CKT 1 / 243471 05BETHEL 138 243495 05DAVIDS 138 1
END
CONTINGENCY '5853_B2_TOR13378'
OPEN BRANCH FROM BUS 243495 TO BUS 243560 CKT 1 / 243495 05DAVIDS 138 243560 05ROBERT 138 1
END
CONTINGENCY '5854_B2_TOR13397_WOMOAB'
OPEN BRANCH FROM BUS 246620 TO BUS 243474 CKT 1 / 246620 BLACKLEQ 999 243474 05BLACKL 138 1
OPEN BRANCH FROM BUS 246620 TO BUS 246609 CKT 1 / 246620 BLACKLEQ 999 246609 BLACKL35 34.5 1
OPEN BRANCH FROM BUS 246620 TO BUS 246610 CKT 1 / 246620 BLACKLEQ 999 246610 BLACKL13 13.8 1
OPEN BRANCH FROM BUS 243474 TO BUS 246765 CKT 1 / 243474 05BLACKL 138 246765 05OUTERB 138 1
OPEN BRANCH FROM BUS 243502 TO BUS 246765 CKT 1 / 243502 05E.BROA 138 246765 05OUTERB 138 1
OPEN BRANCH FROM BUS 243541 TO BUS 246765 CKT 1 / 243541 05METALC 138 246765 05OUTERB 138 1
OPEN BRANCH FROM BUS 243541 TO BUS 246839 CKT Z1 / 243541 05METALC 138 246839 METAL C 13.8 Z1
END
CONTINGENCY '5855_B2_TOR13397A_MOAB'
OPEN BRANCH FROM BUS 243474 TO BUS 246765 CKT 1 / 243474 05BLACKL 138 246765 05OUTERB 138 1
OPEN BRANCH FROM BUS 243502 TO BUS 246765 CKT 1 / 243502 05E.BROA 138 246765 05OUTERB 138 1
OPEN BRANCH FROM BUS 243541 TO BUS 246765 CKT 1 / 243541 05METALC 138 246765 05OUTERB 138 1
OPEN BRANCH FROM BUS 243541 TO BUS 246839 CKT Z1 / 243541 05METALC 138 246839 METAL C 13.8 Z1
END
CONTINGENCY '6793_B2_TOR13398'

OPEN BRANCH FROM BUS 243474 TO BUS 243510 CKT 1 END	/ 243474 05BLACKL 138 243510 05GAHANN 138 1
CONTINGENCY '5263_B2_TOR13577'	
OPEN BRANCH FROM BUS 243024 TO BUS 243101 CKT 1 END	/ 243024 05HOWARD 138 243101 05SHELNS 138 1
CONTINGENCY '5925_B2_TOR13677_WOMOAB'	
OPEN BRANCH FROM BUS 243034 TO BUS 243140 CKT 1	/ 243034 05MARQUI 138 243140 05WAKEFL 138 1
OPEN BRANCH FROM BUS 243047 TO BUS 243087 CKT 1	/ 243047 05N PORT 138 243087 05S LUCA 138 1
OPEN BRANCH FROM BUS 243087 TO BUS 243140 CKT 1	/ 243087 05S LUCA 138 243140 05WAKEFL 138 1
OPEN BRANCH FROM BUS 243087 TO BUS 244929 CKT 1	/ 243087 05S LUCA 138 244929 SLUCAS L 12.0 1
OPEN BRANCH FROM BUS 243140 TO BUS 244932 CKT 1 END	/ 243140 05WAKEFL 138 244932 WAKEFIEL 12.0 1
CONTINGENCY '5926_B2_TOR13677A_MOAB'	
OPEN BRANCH FROM BUS 243047 TO BUS 243087 CKT 1 END	/ 243047 05N PORT 138 243087 05S LUCA 138 1
CONTINGENCY '5927_B2_TOR13677B_MOAB'	
OPEN BRANCH FROM BUS 243034 TO BUS 243140 CKT 1	/ 243034 05MARQUI 138 243140 05WAKEFL 138 1
OPEN BRANCH FROM BUS 243087 TO BUS 243140 CKT 1	/ 243087 05S LUCA 138 243140 05WAKEFL 138 1
OPEN BRANCH FROM BUS 243140 TO BUS 244932 CKT 1 END	/ 243140 05WAKEFL 138 244932 WAKEFIEL 12.0 1
CONTINGENCY '5928_B2_TOR13679'	
OPEN BRANCH FROM BUS 243034 TO BUS 243585 CKT 1 END	/ 243034 05MARQUI 138 243585 05WAVERL 138 1
CONTINGENCY '5995_B2_TOR13817'	
OPEN BRANCH FROM BUS 243671 TO BUS 243698 CKT 1 END	/ 243671 05BEAVR1 138 243698 05MORGFK 138 1
CONTINGENCY '5996_B2_TOR13818_WOMOAB'	
OPEN BRANCH FROM BUS 243660 TO BUS 243677 CKT 1	/ 243660 BETSYLEQ 999 243677 05BETSYL 138 1
OPEN BRANCH FROM BUS 243660 TO BUS 244589 CKT 1	/ 243660 BETSYLEQ 999 244589 BETSYLNE 69.0 1
OPEN BRANCH FROM BUS 243660 TO BUS 244588 CKT 1	/ 243660 BETSYLEQ 999 244588 BETSYLNE 46.0 1
OPEN BRANCH FROM BUS 243677 TO BUS 243684 CKT 1	/ 243677 05BETSYL 138 243684 05DEWEY 138 1
OPEN BRANCH FROM BUS 243677 TO BUS 243698 CKT 1	/ 243677 05BETSYL 138 243698 05MORGFK 138 1
OPEN BRANCH FROM BUS 243684 TO BUS 243702 CKT 1	/ 243684 05DEWEY 138 243702 05THELMA 138 1
OPEN BRANCH FROM BUS 243684 TO BUS 243804 CKT 1	/ 243684 05DEWEY 138 243804 DEWEY 69.0 1
OPEN BRANCH FROM BUS 243677 TO BUS 244587 CKT 1	/ 243677 05BETSYL 138 244587 BETSYL L 34.5 1
OPEN BRANCH FROM BUS 243684 TO BUS 244569 CKT Z1	/ 243684 05DEWEY 138 244569 DEWEY L 34.5 Z1
OPEN BRANCH FROM BUS 244589 TO BUS 244609 CKT 1	/ 244589 BETSYLNE 69.0 244609 KEYSER 69.0 1
OPEN BRANCH FROM BUS 243804 TO BUS 244575 CKT 1	/ 243804 DEWEY 69.0 244575 PEVLER 69.0 1
OPEN BRANCH FROM BUS 243753 TO BUS 244588 CKT 1 END	/ 243753 ALLEN 46.0 244588 BETSYLNE 46.0 1
CONTINGENCY '5997_B2_TOR13818A_MOAB'	
OPEN BRANCH FROM BUS 243677 TO BUS 243684 CKT 1 END	/ 243677 05BETSYL 138 243684 05DEWEY 138 1
CONTINGENCY '5998_B2_TOR13818B_MOAB'	
OPEN BRANCH FROM BUS 243677 TO BUS 243698 CKT 1 END	/ 243677 05BETSYL 138 243698 05MORGFK 138 1
CONTINGENCY '8067_B2_TOR13819'	
OPEN BRANCH FROM BUS 243691 TO BUS 243698 CKT 1	/ 243691 05HAYSBR 138 243698 05MORGFK 138 1
OPEN BRANCH FROM BUS 243691 TO BUS 244600 CKT Z1 END	/ 243691 05HAYSBR 138 244600 KYHYDROL 12.0 Z1
CONTINGENCY '5858_B2_TOR13837'	
OPEN BRANCH FROM BUS 243482 TO BUS 243489 CKT 1 END	/ 243482 05CENTBG 138 243489 05CONESW 138 1
CONTINGENCY '5859_B2_TOR13838'	
OPEN BRANCH FROM BUS 243482 TO BUS 243583 CKT 1 END	/ 243482 05CENTBG 138 243583 05TRENT 138 1
CONTINGENCY '5438_B2_TOR13857'	
OPEN BRANCH FROM BUS 242650 TO BUS 242760 CKT 1 END	/ 242650 05GLENL1 138 242760 05PROGPK 138 1
CONTINGENCY '6737_B2_TOR13858_WOMOAB'	
OPEN BRANCH FROM BUS 242760 TO BUS 242858 CKT 1	/ 242760 05PROGPK 138 242858 05WYTHE1 138 1

OPEN BRANCH FROM BUS 242760 TO BUS 244183 CKT Z1 END	/ 242760 05PROGPK 138 244183 PROGRESS 34.5 Z1
CONTINGENCY '6738_B2_TOR13858A_MOAB'	
OPEN BRANCH FROM BUS 242760 TO BUS 242858 CKT 1 END	/ 242760 05PROGPK 138 242858 05WYTHE1 138 1
CONTINGENCY '6212_B2_TOR13859'	
OPEN BRANCH FROM BUS 242555 TO BUS 242843 CKT 1 END	/ 242555 05BLAINE 138 242843 05WLAKE 138 1
CONTINGENCY '6213_B2_TOR13860_WOMOAB'	
OPEN BRANCH FROM BUS 242748 TO BUS 242802 CKT 1	/ 242748 05PENHOK 138 242802 05SMITHM 138 1
OPEN BRANCH FROM BUS 242748 TO BUS 242843 CKT 1	/ 242748 05PENHOK 138 242843 05WLAKE 138 1
OPEN BRANCH FROM BUS 242748 TO BUS 244010 CKT 1 END	/ 242748 05PENHOK 138 244010 PENHOOKL 34.5 1
CONTINGENCY '6214_B2_TOR13860A_MOAB'	
OPEN BRANCH FROM BUS 242748 TO BUS 242843 CKT 1 END	/ 242748 05PENHOK 138 242843 05WLAKE 138 1
CONTINGENCY '6215_B2_TOR13860B_MOAB'	
OPEN BRANCH FROM BUS 242748 TO BUS 242802 CKT 1 END	/ 242748 05PENHOK 138 242802 05SMITHM 138 1
CONTINGENCY '5861_B2_TOR14217_WOMOAB'	
OPEN BRANCH FROM BUS 243553 TO BUS 243590 CKT 1	/ 243553 05POLARS 138 243590 05WSTRV3 138 1
OPEN BRANCH FROM BUS 243590 TO BUS 246629 CKT Z1 END	/ 243590 05WSTRV3 138 246629 WESTRVL3 13.8 Z1
CONTINGENCY '5862_B2_TOR14217A_MOAB'	
OPEN BRANCH FROM BUS 243553 TO BUS 243590 CKT 1 END	/ 243553 05POLARS 138 243590 05WSTRV3 138 1
CONTINGENCY '5860_B2_TOR14218'	
OPEN BRANCH FROM BUS 243513 TO BUS 243590 CKT 1 END	/ 243513 05GENOA 138 243590 05WSTRV3 138 1
CONTINGENCY '6091_B2_TOR14317'	
OPEN BRANCH FROM BUS 243217 TO BUS 246754 CKT 1 END	/ 243217 05DEQUIN 345 246754 05FOWLER 345 1
CONTINGENCY '6608_B2_TOR14378A'	
OPEN BRANCH FROM BUS 242932 TO BUS 242944 CKT 1 END	/ 242932 05CANTNC 345 242944 05SECANT 345 1
CONTINGENCY '5945_B2_TOR14457'	
OPEN BRANCH FROM BUS 243671 TO BUS 243683 CKT 1	/ 243671 05BEAVR1 138 243683 05CONSTP 138 1
OPEN BRANCH FROM BUS 243682 TO BUS 243683 CKT 1	/ 243682 05CONSOL 138 243683 05CONSTP 138 1
OPEN BRANCH FROM BUS 243683 TO BUS 243875 CKT 1	/ 243683 05CONSTP 138 243875 05SOFTSH 138 1
OPEN BRANCH FROM BUS 243689 TO BUS 243875 CKT 1	/ 243689 05HARBER 138 243875 05SOFTSH 138 1
OPEN BRANCH FROM BUS 243689 TO BUS 243700 CKT 1	/ 243689 05HARBER 138 243700 05SPICEW 138 1
OPEN BRANCH FROM BUS 243875 TO BUS 244646 CKT Z1	/ 243875 05SOFTSH 138 244646 SOFTSHLL 34.5 Z1
OPEN BRANCH FROM BUS 243682 TO BUS 244637 CKT 1	/ 243682 05CONSOL 138 244637 CONSOL L 12.0 1
OPEN BRANCH FROM BUS 243689 TO BUS 244645 CKT 1	/ 243689 05HARBER 138 244645 HARBRT L 12.0 1
OPEN BRANCH FROM BUS 243700 TO BUS 244648 CKT 1 END	/ 243700 05SPICEW 138 244648 SPICWD L 12.0 1
CONTINGENCY '5947_B2_TOR14458'	
OPEN BRANCH FROM BUS 243689 TO BUS 243875 CKT 1	/ 243689 05HARBER 138 243875 05SOFTSH 138 1
OPEN BRANCH FROM BUS 243689 TO BUS 243700 CKT 1	/ 243689 05HARBER 138 243700 05SPICEW 138 1
OPEN BRANCH FROM BUS 243689 TO BUS 244645 CKT 1	/ 243689 05HARBER 138 244645 HARBRT L 12.0 1
OPEN BRANCH FROM BUS 243700 TO BUS 244648 CKT 1 END	/ 243700 05SPICEW 138 244648 SPICWD L 12.0 1
CONTINGENCY '6125_B2_TOR14517_WOMOAB'	
OPEN BRANCH FROM BUS 243322 TO BUS 243360 CKT 1	/ 243322 05KENZIE 138 243360 05POKAGO 138 1
OPEN BRANCH FROM BUS 243355 TO BUS 246764 CKT 1	/ 243355 05ONTWAZ 138 246764 05SAUKTR 138 1
OPEN BRANCH FROM BUS 243360 TO BUS 246764 CKT 1	/ 243360 05POKAGO 138 246764 05SAUKTR 138 1
OPEN BRANCH FROM BUS 243360 TO BUS 246480 CKT 1	/ 243360 05POKAGO 138 246480 POKAGON 69.0 1
OPEN BRANCH FROM BUS 246764 TO BUS 246423 CKT 1 END	/ 246764 05SAUKTR 138 246423 SAUK TRL 12.0 1
CONTINGENCY '5532_B2_TOR14517A_MOAB'	
OPEN BRANCH FROM BUS 243322 TO BUS 243360 CKT 1	/ 243322 05KENZIE 138 243360 05POKAGO 138 1

END
CONTINGENCY '6126_B2_TOR14517B_MOAB'
OPEN BRANCH FROM BUS 243360 TO BUS 246764 CKT 1 / 243360 05POKAGO 138 246764 05SAUKTR 138 1
END
CONTINGENCY '5531_B2_TOR14518_WOMOAB'
OPEN BRANCH FROM BUS 243301 TO BUS 243355 CKT 1 / 243301 05GRANGE 138 243355 05ONTWAZ 138 1
OPEN BRANCH FROM BUS 243301 TO BUS 243385 CKT 1 / 243301 05GRANGE 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243354 TO BUS 243355 CKT 1 / 243354 05ONTWA 138 243355 05ONTWAZ 138 1
OPEN BRANCH FROM BUS 243355 TO BUS 246764 CKT 1 / 243355 05ONTWAZ 138 246764 05SAUKTR 138 1
OPEN BRANCH FROM BUS 243301 TO BUS 246399 CKT 1 / 243301 05GRANGE 138 246399 GRANGR L 12.0 1
OPEN BRANCH FROM BUS 243354 TO BUS 246496 CKT 1 / 243354 05ONTWA 138 246496 ONTWA 8 12.0 1
END
CONTINGENCY '5533_B2_TOR14518A_MOAB'
OPEN BRANCH FROM BUS 243301 TO BUS 243355 CKT 1 / 243301 05GRANGE 138 243355 05ONTWAZ 138 1
OPEN BRANCH FROM BUS 243354 TO BUS 243355 CKT 1 / 243354 05ONTWA 138 243355 05ONTWAZ 138 1
OPEN BRANCH FROM BUS 243355 TO BUS 246764 CKT 1 / 243355 05ONTWAZ 138 246764 05SAUKTR 138 1
OPEN BRANCH FROM BUS 243354 TO BUS 246496 CKT 1 / 243354 05ONTWA 138 246496 ONTWA 8 12.0 1
END
CONTINGENCY '5534_B2_TOR14518B_MOAB'
OPEN BRANCH FROM BUS 243301 TO BUS 243385 CKT 1 / 243301 05GRANGE 138 243385 05TWIN B 138 1
END
CONTINGENCY '3233_B2_TOR14839'
OPEN BRANCH FROM BUS 243457 TO BUS 243461 CKT 1 / 243457 05HAYDEN 345 243461 05ROBRT1 345 1
END
CONTINGENCY '1276_B2_TOR14857'
OPEN BRANCH FROM BUS 242943 TO BUS 242944 CKT 1 / 242943 05SCANTO 345 242944 05SECANT 345 1
END
CONTINGENCY '7190_B2_TOR14897'
OPEN BRANCH FROM BUS 246430 TO BUS 246432 CKT 1 / 246430 BUCHAN S 69.0 246432 BUCHANAN 69.0 1
OPEN BRANCH FROM BUS 246430 TO BUS 246422 CKT 1 / 246430 BUCHAN S 69.0 246422 MAYFLOWER 69.0 1
END
CONTINGENCY '7191_B2_TOR14917'
OPEN BRANCH FROM BUS 246422 TO BUS 246477 CKT 1 / 246422 MAYFLOWER 69.0 246477 NILES 69.0 1
REMOVE UNIT 1 FROM BUS 246422 / 246422 MAYFLOWER 69.0
END
CONTINGENCY '5931_B2_TOR15137_WOMOAB'
OPEN BRANCH FROM BUS 243034 TO BUS 243544 CKT 1 / 243034 05MARQUI 138 243544 05MILPRD 138 1
OPEN BRANCH FROM BUS 243544 TO BUS 243585 CKT 1 / 243544 05MILPRD 138 243585 05WAVERL 138 1
OPEN BRANCH FROM BUS 243544 TO BUS 246808 CKT Z1 / 243544 05MILPRD 138 246808 MILPRIDE 12.5 Z1
END
CONTINGENCY '5932_B2_TOR15137A_MOAB'
OPEN BRANCH FROM BUS 243034 TO BUS 243544 CKT 1 / 243034 05MARQUI 138 243544 05MILPRD 138 1
END
CONTINGENCY '5929_B2_TOR15138_WOMOAB'
OPEN BRANCH FROM BUS 243501 TO BUS 243534 CKT 1 / 243501 05E.BEAV 138 243534 05LICK 138 1
OPEN BRANCH FROM BUS 243501 TO BUS 243034 CKT 1 / 243501 05E.BEAV 138 243034 05MARQUI 138 1
OPEN BRANCH FROM BUS 243501 TO BUS 243166 CKT 1 / 243501 05E.BEAV 138 243166 E.BEAVER 69.0 1
OPEN BRANCH FROM BUS 243534 TO BUS 246738 CKT 1 / 243534 05LICK 138 246738 JACKSON 13.8 1
OPEN BRANCH FROM BUS 243821 TO BUS 243166 CKT 1 / 243821 BEAVER 69.0 243166 E.BEAVER 69.0 1
OPEN BRANCH FROM BUS 244928 TO BUS 243166 CKT 1 / 244928 BEAVER 8 69.0 243166 E.BEAVER 69.0 1
END
CONTINGENCY '5930_B2_TOR15138A_MOAB'
OPEN BRANCH FROM BUS 243501 TO BUS 243534 CKT 1 / 243501 05E.BEAV 138 243534 05LICK 138 1
OPEN BRANCH FROM BUS 243501 TO BUS 243034 CKT 1 / 243501 05E.BEAV 138 243034 05MARQUI 138 1
OPEN BRANCH FROM BUS 243501 TO BUS 243166 CKT 1 / 243501 05E.BEAV 138 243166 E.BEAVER 69.0 1
OPEN BRANCH FROM BUS 243821 TO BUS 243166 CKT 1 / 243821 BEAVER 69.0 243166 E.BEAVER 69.0 1
OPEN BRANCH FROM BUS 244928 TO BUS 243166 CKT 1 / 244928 BEAVER 8 69.0 243166 E.BEAVER 69.0 1
END
CONTINGENCY '6374_B2_TOR15237'
OPEN BRANCH FROM BUS 243456 TO BUS 243855 CKT 1 / 243456 05CORRID 345 243855 05JUG ST 345 1
END

CONTINGENCY '6375_B2_TOR15238'	
OPEN BRANCH FROM BUS 243855 TO BUS 243459 CKT 1	/ 243855 05JUG ST 345 243459 05KIRK 345 1
END	
CONTINGENCY '6472_B2_TOR15258'	
OPEN BRANCH FROM BUS 243217 TO BUS 243878 CKT 1	/ 243217 05DEQUIN 345 243878 05MEADOW 345 1
END	
CONTINGENCY '7377_B2_TOR15259'	
OPEN BRANCH FROM BUS 243878 TO BUS 246974 CKT Z1	/ 243878 05MEADOW 345 246974 05MLCS-1 345 Z1
END	
CONTINGENCY '5866_B2_TOR15557'	
OPEN BRANCH FROM BUS 243473 TO BUS 243572 CKT 1	/ 243473 05BIXBY 138 243572 05SHANON 138 1
OPEN BRANCH FROM BUS 243572 TO BUS 246886 CKT 12	/ 243572 05SHANON 138 246886 S.CENTL8 13.2 12
END	
CONTINGENCY '5865_B2_TOR15558'	
OPEN BRANCH FROM BUS 243466 TO BUS 246760 CKT 1	/ 243466 05ASTOR 138 246760 05REFUGE 138 1
OPEN BRANCH FROM BUS 243518 TO BUS 246760 CKT 1	/ 243518 05GROVES 138 246760 05REFUGE 138 1
OPEN BRANCH FROM BUS 246760 TO BUS 243572 CKT 1	/ 246760 05REFUGE 138 243572 05SHANON 138 1
END	
CONTINGENCY '5941_B2_TOR15559_WOMOAB'	
OPEN BRANCH FROM BUS 242987 TO BUS 243503 CKT 1	/ 242987 05DEXTER 138 243503 05ELIOTZ 138 1
OPEN BRANCH FROM BUS 242987 TO BUS 243036 CKT 1	/ 242987 05DEXTER 138 243036 05MEIG 2 138 1
OPEN BRANCH FROM BUS 242987 TO BUS 243037 CKT 1	/ 242987 05DEXTER 138 243037 05MEIG 8 138 1
OPEN BRANCH FROM BUS 242987 TO BUS 243038 CKT 1	/ 242987 05DEXTER 138 243038 05MEIG1Z 138 1
OPEN BRANCH FROM BUS 243036 TO BUS 244942 CKT 1	/ 243036 05MEIG 2 138 244942 MEIGS2 L 34.5 1
OPEN BRANCH FROM BUS 243036 TO BUS 244950 CKT Z1	/ 243036 05MEIG 2 138 244950 WILKESVL 12.0 Z1
OPEN BRANCH FROM BUS 243037 TO BUS 244943 CKT 1	/ 243037 05MEIG 8 138 244943 MEIGS8 L 12.0 1
END	
CONTINGENCY '5942_B2_TOR15559A_MOAB'	
OPEN BRANCH FROM BUS 242987 TO BUS 243036 CKT 1	/ 242987 05DEXTER 138 243036 05MEIG 2 138 1
OPEN BRANCH FROM BUS 242987 TO BUS 243037 CKT 1	/ 242987 05DEXTER 138 243037 05MEIG 8 138 1
OPEN BRANCH FROM BUS 243036 TO BUS 244942 CKT 1	/ 243036 05MEIG 2 138 244942 MEIGS2 L 34.5 1
OPEN BRANCH FROM BUS 243036 TO BUS 244950 CKT Z1	/ 243036 05MEIG 2 138 244950 WILKESVL 12.0 Z1
OPEN BRANCH FROM BUS 243037 TO BUS 244943 CKT 1	/ 243037 05MEIG 8 138 244943 MEIGS8 L 12.0 1
END	
CONTINGENCY '7378_B2_TOR15577'	
OPEN BRANCH FROM BUS 243878 TO BUS 246975 CKT 1	/ 243878 05MEADOW 345 246975 05MLCS23 345 1
END	
CONTINGENCY '6490_B2_TOR16000'	
OPEN BRANCH FROM BUS 243217 TO BUS 243878 CKT 2	/ 243217 05DEQUIN 345 243878 05MEADOW 345 2
END	
CONTINGENCY '8777_B2_TOR16003'	
OPEN BRANCH FROM BUS 247116 TO BUS 246913 CKT 1	/ 247116 05ALEXAN 138 246913 05JONES 138 1
OPEN BRANCH FROM BUS 243311 TO BUS 246913 CKT 1	/ 243311 05HOGAN 138 246913 05JONES 138 1
OPEN BRANCH FROM BUS 246913 TO BUS 246914 CKT Z1	/ 246913 05JONES 138 246914 JONES L 12.0 Z1
END	
CONTINGENCY '8779_B2_TOR16004'	
OPEN BRANCH FROM BUS 243270 TO BUS 243311 CKT 1	/ 243270 05CROSSS 138 243311 05HOGAN 138 1
END	
CONTINGENCY '5584_B2_TOR16005'	
OPEN BRANCH FROM BUS 243275 TO BUS 243311 CKT 1	/ 243275 05DELAWR 138 243311 05HOGAN 138 1
END	
CONTINGENCY '6463_B2_TOR16757'	
OPEN BRANCH FROM BUS 242935 TO BUS 246929 CKT 1	/ 242935 05E LIMA 345 246929 05MADDOX 345 1
END	
CONTINGENCY '5609_B2_TOR16777_WOMOAB'	
OPEN BRANCH FROM BUS 243366 TO BUS 243389 CKT 1	/ 243366 05ROB PK 138 243389 05WALLEN 138 1
OPEN BRANCH FROM BUS 243389 TO BUS 246130 CKT Z2	/ 243389 05WALLEN 138 246130 WALLEN 12.0 Z2
END	
CONTINGENCY '7855_B2_TOR16777A_MOAB'	
OPEN BRANCH FROM BUS 243366 TO BUS 243389 CKT 1	/ 243366 05ROB PK 138 243389 05WALLEN 138 1
END	

CONTINGENCY '7854_B2_TOR16778'	
OPEN BRANCH FROM BUS 243316 TO BUS 243381 CKT 1	/ 243316 05INDUSP 138 243381 05SUMMIT 138 1
OPEN BRANCH FROM BUS 243381 TO BUS 243389 CKT 1	/ 243381 05SUMMIT 138 243389 05WALLEN 138 1
OPEN BRANCH FROM BUS 243381 TO BUS 246171 CKT 1	/ 243381 05SUMMIT 138 246171 SUMMIT 12.0 1
OPEN BRANCH FROM BUS 243381 TO BUS 246171 CKT 2	/ 243381 05SUMMIT 138 246171 SUMMIT 12.0 2
END	
CONTINGENCY '7356_B2_TOR16797'	
OPEN BRANCH FROM BUS 246930 TO BUS 246929 CKT Z1	/ 246930 05BLUECK 345 246929 05MADDOX 345 Z1
OPEN BRANCH FROM BUS 246930 TO BUS 246931 CKT 1	/ 246930 05BLUECK 345 246931 05BLUECK 115 1
OPEN BRANCH FROM BUS 246932 TO BUS 246931 CKT 1	/ 246932 05BLCKCS 115 246931 05BLUECK 115 1
END	
CONTINGENCY '7369_B2_TOR16817'	
OPEN BRANCH FROM BUS 246951 TO BUS 246950 CKT Z1	/ 246951 05TIMBCS 138 246950 05TIMBSS 138 Z1
OPEN BRANCH FROM BUS 246951 TO BUS 246952 CKT 1	/ 246951 05TIMBCS 138 246952 05TIMBCS 34.5 1
END	
CONTINGENCY '5953_B2_TOR17037A_MOAB'	
OPEN BRANCH FROM BUS 243669 TO BUS 243678 CKT SR	/ 243669 05B SAND 138 243678 05BSANDX 138 SR
OPEN BRANCH FROM BUS 243669 TO BUS 243678 CKT ZB	/ 243669 05B SAND 138 243678 05BSANDX 138 ZB
OPEN BRANCH FROM BUS 243678 TO BUS 243679 CKT 1	/ 243678 05BSANDX 138 243679 05BUSSYV 138 1
OPEN BRANCH FROM BUS 243679 TO BUS 243702 CKT 1	/ 243679 05BUSSYV 138 243702 05THELMA 138 1
OPEN BRANCH FROM BUS 243679 TO BUS 244663 CKT Z1	/ 243679 05BUSSYV 138 244663 BUSEYV L 34.5 Z1
END	
CONTINGENCY '5954_B2_TOR17037B_MOAB'	
OPEN BRANCH FROM BUS 243679 TO BUS 243702 CKT 1	/ 243679 05BUSSYV 138 243702 05THELMA 138 1
END	
CONTINGENCY '5955_B2_TOR17038A_MOAB'	
OPEN BRANCH FROM BUS 243684 TO BUS 243702 CKT 1	/ 243684 05DEWEY 138 243702 05THELMA 138 1
END	
CONTINGENCY '7174_B2_TOR17137'	
OPEN BRANCH FROM BUS 243551 TO BUS 246907 CKT 1	/ 243551 05OSU 138 246907 05WCAMPU 138 1
END	
CONTINGENCY '7175_B2_TOR17138'	
OPEN BRANCH FROM BUS 243560 TO BUS 246907 CKT 1	/ 243560 05ROBERT 138 246907 05WCAMPU 138 1
END	
CONTINGENCY '8487_B2_TOR17357_WOMOAB'	
OPEN BRANCH FROM BUS 242960 TO BUS 242969 CKT 1	/ 242960 05BETHLM 138 242969 05BRUES2 138 1
OPEN BRANCH FROM BUS 242960 TO BUS 242985 CKT 1	/ 242960 05BETHLM 138 242985 05CNTYLN 138 1
OPEN BRANCH FROM BUS 242985 TO BUS 246927 CKT 1	/ 242985 05CNTYLN 138 246927 05SAND H 138 1
OPEN BRANCH FROM BUS 242985 TO BUS 245927 CKT 1	/ 242985 05CNTYLN 138 245927 CNTYLN L 34.5 1
OPEN BRANCH FROM BUS 242960 TO BUS 245949 CKT 1	/ 242960 05BETHLM 138 245949 BETHLHML 12.0 1
END	
CONTINGENCY '7267_B2_TOR17357A_MOAB'	
OPEN BRANCH FROM BUS 242985 TO BUS 246927 CKT 1	/ 242985 05CNTYLN 138 246927 05SAND H 138 1
END	
CONTINGENCY '8491_B2_TOR17357C_MOAB'	
OPEN BRANCH FROM BUS 242960 TO BUS 242969 CKT 1	/ 242960 05BETHLM 138 242969 05BRUES2 138 1
OPEN BRANCH FROM BUS 242960 TO BUS 242985 CKT 1	/ 242960 05BETHLM 138 242985 05CNTYLN 138 1
OPEN BRANCH FROM BUS 242960 TO BUS 245949 CKT 1	/ 242960 05BETHLM 138 245949 BETHLHML 12.0 1
END	
CONTINGENCY '7279_B2_TOR17397'	
OPEN BRANCH FROM BUS 246927 TO BUS 246928 CKT 1	/ 246927 05SAND H 138 246928 05WARTNH 138 1
END	
CONTINGENCY '7280_B2_TOR17398'	
OPEN BRANCH FROM BUS 246927 TO BUS 246928 CKT 2	/ 246927 05SAND H 138 246928 05WARTNH 138 2
END	
CONTINGENCY '7430_B2_TOR17419'	
OPEN BRANCH FROM BUS 246927 TO BUS 247002 CKT 1	/ 246927 05SAND H 138 247002 05WAYMSS 138 1
END	
CONTINGENCY '7269_B2_TOR17421'	
OPEN BRANCH FROM BUS 243010 TO BUS 246927 CKT 1	/ 243010 05FTHENR 138 246927 05SAND H 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 243127 CKT 1	/ 243010 05FTHENR 138 243127 05TIDD 138 1

OPEN BRANCH FROM BUS 243010 TO BUS 245919 CKT 1 END	/ 243010 05FTHENR 138 245919 FTHENRYL 12.0 1
CONTINGENCY '5485_B2_TOR17458_WOMOAB'	
OPEN BRANCH FROM BUS 242586 TO BUS 242664 CKT 1	/ 242586 05CAVES2 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242586 TO BUS 242815 CKT 1	/ 242586 05CAVES2 138 242815 05STARKE 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 242756 CKT 1	/ 242708 05M FUNK 138 242756 05POAGES 138 1
OPEN BRANCH FROM BUS 242756 TO BUS 242815 CKT 1	/ 242756 05POAGES 138 242815 05STARKE 138 1
OPEN BRANCH FROM BUS 242756 TO BUS 244104 CKT 1	/ 242756 05POAGES 138 244104 POAGESML 12.0 1
OPEN BRANCH FROM BUS 242815 TO BUS 244076 CKT 1 END	/ 242815 05STARKE 138 244076 STARKY L 12.0 1
CONTINGENCY '5869_B2_TOR17458A_MOAB'	
OPEN BRANCH FROM BUS 242586 TO BUS 242664 CKT 1	/ 242586 05CAVES2 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242586 TO BUS 242815 CKT 1	/ 242586 05CAVES2 138 242815 05STARKE 138 1
OPEN BRANCH FROM BUS 242815 TO BUS 244076 CKT 1 END	/ 242815 05STARKE 138 244076 STARKY L 12.0 1
CONTINGENCY '5870_B2_TOR17458B_MOAB'	
OPEN BRANCH FROM BUS 242756 TO BUS 242815 CKT 1	/ 242756 05POAGES 138 242815 05STARKE 138 1
OPEN BRANCH FROM BUS 242756 TO BUS 244104 CKT 1 END	/ 242756 05POAGES 138 244104 POAGESML 12.0 1
CONTINGENCY '5486_B2_TOR17458C_MOAB'	
OPEN BRANCH FROM BUS 242708 TO BUS 242756 CKT 1 END	/ 242708 05M FUNK 138 242756 05POAGES 138 1
CONTINGENCY '5245_B2_TOR17717'	
OPEN BRANCH FROM BUS 242957 TO BUS 243080 CKT 1	/ 242957 05BASEL8 138 243080 05RILEYC 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 242989 CKT 1	/ 243083 05CAMPSS 138 242989 05E LIMA 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 243080 CKT 1	/ 243083 05CAMPSS 138 243080 05RILEYC 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 243121 CKT 1	/ 243083 05CAMPSS 138 243121 05ROCKPO 138 1
OPEN BRANCH FROM BUS 243080 TO BUS 247000 CKT 1	/ 243080 05RILEYC 138 247000 05YELLWC 138 1
OPEN BRANCH FROM BUS 242957 TO BUS 245913 CKT Z1	/ 242957 05BASEL8 138 245913 BASELN8 12.0 Z1
OPEN BRANCH FROM BUS 243121 TO BUS 245839 CKT Z1 END	/ 243121 05ROCKPO 138 245839 ROCKP L8 12.0 Z1
CONTINGENCY '8097_B2_TOR17718'	
OPEN BRANCH FROM BUS 242993 TO BUS 247000 CKT 1 END	/ 242993 05E.LPSC 138 247000 05YELLWC 138 1
CONTINGENCY '6824_B2_TOR17899'	
OPEN BRANCH FROM BUS 244377 TO BUS 242558 CKT 1	/ 244377 BOLTEQ 999 242558 05BOLT 138 1
OPEN BRANCH FROM BUS 244377 TO BUS 244376 CKT 1	/ 244377 BOLTEQ 999 244376 BOLT 46.0 1
OPEN BRANCH FROM BUS 242546 TO BUS 242559 CKT 1	/ 242546 05BAILS1 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242558 TO BUS 242559 CKT 1	/ 242558 05BOLT 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242559 TO BUS 242820 CKT 1 END	/ 242559 05BOLT Z 138 242820 05SUNDL1 138 1
CONTINGENCY '6823_B2_TOR17900'	
OPEN BRANCH FROM BUS 242649 TO BUS 242689 CKT 1	/ 242649 05GARRSN 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242649 TO BUS 242776 CKT 1	/ 242649 05GARRSN 138 242776 05ROCKHS 138 1
OPEN BRANCH FROM BUS 242776 TO BUS 242820 CKT 1	/ 242776 05ROCKHS 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242649 TO BUS 244421 CKT Z1	/ 242649 05GARRSN 138 244421 GARRISON 12.0 Z1
OPEN BRANCH FROM BUS 242776 TO BUS 244423 CKT Z1 END	/ 242776 05ROCKHS 138 244423 ROCKHOUS 12.0 Z1
CONTINGENCY '6828_B2_TOR17917_WOMOAB'	
OPEN BRANCH FROM BUS 242547 TO BUS 242696 CKT 1	/ 242547 05BAILS2 138 242696 05KOPPER 138 1
OPEN BRANCH FROM BUS 242696 TO BUS 242821 CKT 1	/ 242696 05KOPPER 138 242821 05SUNDL2 138 1
OPEN BRANCH FROM BUS 242696 TO BUS 244419 CKT 1 END	/ 242696 05KOPPER 138 244419 KPPERS L 13.0 1
CONTINGENCY '6829_B2_TOR17917A_MOAB'	
OPEN BRANCH FROM BUS 242696 TO BUS 242821 CKT 1 END	/ 242696 05KOPPER 138 242821 05SUNDL2 138 1
CONTINGENCY '6830_B2_TOR17917B_MOAB'	
OPEN BRANCH FROM BUS 242547 TO BUS 242696 CKT 1 END	/ 242547 05BAILS2 138 242696 05KOPPER 138 1
CONTINGENCY '6827_B2_TOR17918'	
OPEN BRANCH FROM BUS 242611 TO BUS 242623 CKT 1	/ 242611 05COALFK 138 242623 05DAWES 138 1

OPEN BRANCH FROM BUS 242611 TO BUS 242828 CKT 1	/ 242611 05COALFK 138 242828 05TENMIL 138 1
OPEN BRANCH FROM BUS 242623 TO BUS 242689 CKT 1	/ 242623 05DAWES 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242821 TO BUS 242828 CKT 1	/ 242821 05SUNDL2 138 242828 05TENMIL 138 1
OPEN BRANCH FROM BUS 242611 TO BUS 244857 CKT Z1	/ 242611 05COALFK 138 244857 PANTH2 L 12.0 Z1
OPEN BRANCH FROM BUS 242623 TO BUS 244855 CKT 1	/ 242623 05DAWES 138 244855 PANTH L 12.0 1
OPEN BRANCH FROM BUS 242828 TO BUS 244854 CKT 1	/ 242828 05TENMIL 138 244854 TENMIL L 12.0 1
END	
CONTINGENCY '7987_B2_TOR18077'	
OPEN BRANCH FROM BUS 243019 TO BUS 246946 CKT 1	/ 243019 05HILLSB 138 246946 05WLDCAT 138 1
END	
CONTINGENCY '8116_B2_TOR18078A_MOAB'	
OPEN BRANCH FROM BUS 247034 TO BUS 246946 CKT 1	/ 247034 05EMERSS 138 246946 05WLDCAT 138 1
END	
CONTINGENCY '2748_B2_TOR18437'	
OPEN BRANCH FROM BUS 242936 TO BUS 242942 CKT 1	/ 242936 05FOSTOR 345 242942 05SBERWI 345 1
END	
CONTINGENCY '7431_B2_TOR19237'	
OPEN BRANCH FROM BUS 247128 TO BUS 246940 CKT 1	/ 247128 05ASTNSS 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 246940 TO BUS 243026 CKT 1	/ 246940 05BIGR2Z 138 243026 05KAMMR1 138 1
END	
CONTINGENCY '8698_B2_TOR19238'	
OPEN BRANCH FROM BUS 247128 TO BUS 246940 CKT 1	/ 247128 05ASTNSS 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 246940 CKT 1	/ 242961 05BIGGRC 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 246940 TO BUS 243026 CKT 1	/ 246940 05BIGR2Z 138 243026 05KAMMR1 138 1
END	
CONTINGENCY '7441_B2_TOR100545'	
OPEN BRANCH FROM BUS 242928 TO BUS 246999 CKT 1	/ 242928 05MARYSV 765 246999 05SORENS 765 1
END	
CONTINGENCY '7442_B2_TOR200545'	
OPEN BRANCH FROM BUS 243206 TO BUS 246999 CKT 1	/ 243206 05DUMONT 765 246999 05SORENS 765 1
END	
CONTINGENCY '7211_B2_TOR300000'	
OPEN BRANCH FROM BUS 243498 TO BUS 246753 CKT 1	/ 243498 05DLAWAR 138 246753 05VASSEL 138 1
END	
CONTINGENCY '7216_B2_TOR406223'	
OPEN BRANCH FROM BUS 242926 TO BUS 246751 CKT 1	/ 242926 05MALIS 765 246751 05VASSEL 765 1
END	
CONTINGENCY '7217_B2_TOR506223'	
OPEN BRANCH FROM BUS 242925 TO BUS 246751 CKT 1	/ 242925 05KAMMER 765 246751 05VASSEL 765 1
END	
CONTINGENCY '7249_B2_TOR601761'	
OPEN BRANCH FROM BUS 243250 TO BUS 243396 CKT 1	/ 243250 05BENTON 138 243396 05WESTST 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 243307 CKT 1	/ 247134 05EWATRV 138 243307 05HARTFO 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 243396 CKT 1	/ 247134 05EWATRV 138 243396 05WESTST 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 247135 CKT Z1	/ 247134 05EWATRV 138 247135 EWATRV L 12.0 Z1
OPEN BRANCH FROM BUS 243396 TO BUS 246497 CKT 1	/ 243396 05WESTST 138 246497 WEST ST 12.0 1
END	
CONTINGENCY '7248_B2_TOR701761'	
OPEN BRANCH FROM BUS 243250 TO BUS 243365 CKT 2	/ 243250 05BENTON 138 243365 05RIVRS 138 2
END	
CONTINGENCY '5933_B2_TOR902255_WOMOAB'	
OPEN BRANCH FROM BUS 243492 TO BUS 243545 CKT 1	/ 243492 05CORWIN 138 243545 05MILTN 138 1
OPEN BRANCH FROM BUS 243534 TO BUS 243545 CKT 1	/ 243534 05LICK 138 243545 05MILTN 138 1
OPEN BRANCH FROM BUS 243492 TO BUS 246775 CKT 1	/ 243492 05CORWIN 138 246775 CORWIN L 13.2 1
OPEN BRANCH FROM BUS 243545 TO BUS 246747 CKT Z1	/ 243545 05MILTN 138 246747 MILTON 8 12.0 Z1
END	
CONTINGENCY '5934_B2_TOR902255A_MOAB'	
OPEN BRANCH FROM BUS 243492 TO BUS 243545 CKT 1	/ 243492 05CORWIN 138 243545 05MILTN 138 1
OPEN BRANCH FROM BUS 243534 TO BUS 243545 CKT 1	/ 243534 05LICK 138 243545 05MILTN 138 1
OPEN BRANCH FROM BUS 243545 TO BUS 246747 CKT Z1	/ 243545 05MILTN 138 246747 MILTON 8 12.0 Z1
END	

CONTINGENCY '5937_B2_TOR1102255_WOMOAB'	
OPEN BRANCH FROM BUS 243492 TO BUS 243504 CKT 1	/ 243492 05CORWIN 138 243504 05ELK 138 1
OPEN BRANCH FROM BUS 243492 TO BUS 246775 CKT 2	/ 243492 05CORWIN 138 246775 CORWIN L 13.2 2
OPEN BRANCH FROM BUS 243492 TO BUS 246780 CKT Z1	/ 243492 05CORWIN 138 246780 PILLSBRL 13.2 Z1
END	
CONTINGENCY '5938_B2_TOR1102255A_MOAB'	
OPEN BRANCH FROM BUS 243492 TO BUS 243504 CKT 1	/ 243492 05CORWIN 138 243504 05ELK 138 1
END	
CONTINGENCY '5939_B2_TOR1202255'	
OPEN BRANCH FROM BUS 243476 TO BUS 243504 CKT 1	/ 243476 05BOLINS 138 243504 05ELK 138 1
OPEN BRANCH FROM BUS 243476 TO BUS 243477 CKT 1	/ 243476 05BOLINS 138 243477 05WATERL 138 1
OPEN BRANCH FROM BUS 243555 TO BUS 243477 CKT 1	/ 243555 05POSTON 138 243477 05WATERL 138 1
OPEN BRANCH FROM BUS 243476 TO BUS 246779 CKT Z1	/ 243476 05BOLINS 138 246779 BOLINS8 12.0 Z1
OPEN BRANCH FROM BUS 243477 TO BUS 243846 CKT Z1	/ 243477 05WATERL 138 243846 WATERLO8 12.0 Z1
END	
CONTINGENCY '7263_B2_TOR1301723'	
OPEN BRANCH FROM BUS 243882 TO BUS 243353 CKT 1	/ 243882 05LAPRT3 138 243353 05OLIVE 138 1
END	
CONTINGENCY '5943_B2_TOR1500711'	
OPEN BRANCH FROM BUS 243069 TO BUS 243013 CKT 1	/ 243069 05FIREBR 138 243013 05GAVIN1 138 1
END	
CONTINGENCY '5944_B2_TOR1600711'	
OPEN BRANCH FROM BUS 243069 TO BUS 243042 CKT 1	/ 243069 05FIREBR 138 243042 05MILLBR 138 1
END	
CONTINGENCY '6220_B2_TOR1900000'	
OPEN BRANCH FROM BUS 242676 TO BUS 242774 CKT 1	/ 242676 05HUNTCT 138 242774 05ROANO2 138 1
END	
CONTINGENCY '8002_B2_TOR2001727'	
OPEN BRANCH FROM BUS 243242 TO BUS 243334 CKT 1	/ 243242 05ALLEN 138 243334 05MAGLEY 138 1
END	
CONTINGENCY '8003_B2_TOR2101727'	
OPEN BRANCH FROM BUS 243237 TO BUS 243334 CKT 1	/ 243237 05ADAM 138 243334 05MAGLEY 138 1
END	
CONTINGENCY '7488_B2_TOR2200770'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 3	/ 243242 05ALLEN 138 243330 05LINCOL 138 3
END	
CONTINGENCY '7502_B2_TOR2416678'	
OPEN BRANCH FROM BUS 243242 TO BUS 243877 CKT 1	/ 243242 05ALLEN 138 243877 05DAWKNS 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 243342 CKT 1	/ 243877 05DAWKNS 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 246237 CKT Z1	/ 243877 05DAWKNS 138 246237 DAWKINSS 12.0 Z1
END	
CONTINGENCY '7501_B2_TOR2516678'	
OPEN BRANCH FROM BUS 243242 TO BUS 243383 CKT 1	/ 243242 05ALLEN 138 243383 05TILLMA 138 1
OPEN BRANCH FROM BUS 243383 TO BUS 246950 CKT 1	/ 243383 05TILLMA 138 246950 05TIMBSS 138 1
OPEN BRANCH FROM BUS 243383 TO BUS 246265 CKT 1	/ 243383 05TILLMA 138 246265 TILLMAN 34.5 1
OPEN BRANCH FROM BUS 246243 TO BUS 246265 CKT 1	/ 246243 HOFFMAN 34.5 246265 TILLMAN 34.5 1
OPEN BRANCH FROM BUS 246264 TO BUS 246265 CKT 1	/ 246264 ST R14 8 34.5 246265 TILLMAN 34.5 1
END	
CONTINGENCY '7561_B2_TOR2602421'	
OPEN BRANCH FROM BUS 242564 TO BUS 242653 CKT 1	/ 242564 05BRADL1 138 242653 05GRANDV 138 1
END	
CONTINGENCY '7562_B2_TOR2702421'	
OPEN BRANCH FROM BUS 242653 TO BUS 242668 CKT 1	/ 242653 05GRANDV 138 242668 05HINTON 138 1
END	
CONTINGENCY '7563_B2_TOR2802421'	
OPEN BRANCH FROM BUS 242594 TO BUS 242604 CKT 1	/ 242594 05CHERCK 138 242604 05CLIFFT 138 1
OPEN BRANCH FROM BUS 242604 TO BUS 242653 CKT 1	/ 242604 05CLIFFT 138 242653 05GRANDV 138 1
OPEN BRANCH FROM BUS 242604 TO BUS 244462 CKT 1	/ 242604 05CLIFFT 138 244462 CLIFFT L 12.0 1
END	
CONTINGENCY '7813_B2_TOR2900151'	
OPEN BRANCH FROM BUS 243680 TO BUS 243695 CKT 1	/ 243680 05CEDARC 138 243695 05JOHNSC 138 1

END	
CONTINGENCY '7814_B2_TOR3000151'	
OPEN BRANCH FROM BUS 243671 TO BUS 243680 CKT 1	/ 243671 05BEAVR1 138 243680 05CEDARC 138 1
END	
CONTINGENCY '6496_B2_TOR3100583'	
OPEN BRANCH FROM BUS 242935 TO BUS 247506 CKT 1	/ 242935 05E LIMA 345 247506 U2-041 C 345 1
END	
CONTINGENCY '6497_B2_TOR3200583'	
OPEN BRANCH FROM BUS 242939 TO BUS 247506 CKT 1	/ 242939 05MARYSV 345 247506 U2-041 C 345 1
END	
CONTINGENCY '6596_B2_TOR3400761_WOMOAB'	
OPEN BRANCH FROM BUS 243041 TO BUS 243078 CKT 1	/ 243041 05MILES 138 243078 05REEDUR 138 1
OPEN BRANCH FROM BUS 243041 TO BUS 243134 CKT 1	/ 243041 05MILES 138 243134 05W CANT 138 1
OPEN BRANCH FROM BUS 243055 TO BUS 243078 CKT 1	/ 243055 05NEGLEY 138 243078 05REEDUR 138 1
OPEN BRANCH FROM BUS 243055 TO BUS 243092 CKT 1	/ 243055 05NEGLEY 138 243092 05SCANTE 138 1
OPEN BRANCH FROM BUS 243078 TO BUS 245165 CKT 1	/ 243078 05REEDUR 138 245165 REEDURBA 69.0 1
OPEN BRANCH FROM BUS 243041 TO BUS 245152 CKT 1	/ 243041 05MILES 138 245152 MILES L 12.0 1
OPEN BRANCH FROM BUS 243055 TO BUS 245183 CKT 1	/ 243055 05NEGLEY 138 245183 NEGLEY L 12.0 1
OPEN BRANCH FROM BUS 243078 TO BUS 245166 CKT 1	/ 243078 05REEDUR 138 245166 REEDURBL 12.0 1
END	
CONTINGENCY '6598_B2_TOR3400761A_MOAB'	
OPEN BRANCH FROM BUS 243055 TO BUS 243078 CKT 1	/ 243055 05NEGLEY 138 243078 05REEDUR 138 1
OPEN BRANCH FROM BUS 243055 TO BUS 243092 CKT 1	/ 243055 05NEGLEY 138 243092 05SCANTE 138 1
OPEN BRANCH FROM BUS 243055 TO BUS 245183 CKT 1	/ 243055 05NEGLEY 138 245183 NEGLEY L 12.0 1
END	
CONTINGENCY '6597_B2_TOR3400761B_MOAB'	
OPEN BRANCH FROM BUS 243041 TO BUS 243078 CKT 1	/ 243041 05MILES 138 243078 05REEDUR 138 1
OPEN BRANCH FROM BUS 243041 TO BUS 243134 CKT 1	/ 243041 05MILES 138 243134 05W CANT 138 1
OPEN BRANCH FROM BUS 243041 TO BUS 245152 CKT 1	/ 243041 05MILES 138 245152 MILES L 12.0 1
END	
CONTINGENCY '6599_B2_TOR3500765_WOMOAB'	
OPEN BRANCH FROM BUS 242959 TO BUS 243139 CKT 1	/ 242959 05BELDVL 138 243139 05WAGENH 138 1
OPEN BRANCH FROM BUS 242959 TO BUS 243142 CKT 1	/ 242959 05BELDVL 138 243142 05WAYVIE 138 1
OPEN BRANCH FROM BUS 242959 TO BUS 245112 CKT 1	/ 242959 05BELDVL 138 245112 BELDEN L 12.0 1
END	
CONTINGENCY '6600_B2_TOR3500765A_MOAB'	
OPEN BRANCH FROM BUS 242959 TO BUS 243139 CKT 1	/ 242959 05BELDVL 138 243139 05WAGENH 138 1
END	
CONTINGENCY '6601_B2_TOR3500765B_MOAB'	
OPEN BRANCH FROM BUS 242959 TO BUS 243142 CKT 1	/ 242959 05BELDVL 138 243142 05WAYVIE 138 1
END	
CONTINGENCY '6602_B2_TOR3600745'	
OPEN BRANCH FROM BUS 243093 TO BUS 243134 CKT 1	/ 243093 05SCANTW 138 243134 05W CANT 138 1
END	
CONTINGENCY '6604_B2_TOR3700745_WOMOAB'	
OPEN BRANCH FROM BUS 243077 TO BUS 243134 CKT 1	/ 243077 05PROMWY 138 243134 05W CANT 138 1
OPEN BRANCH FROM BUS 243077 TO BUS 243142 CKT 1	/ 243077 05PROMWY 138 243142 05WAYVIE 138 1
OPEN BRANCH FROM BUS 243077 TO BUS 245207 CKT 1	/ 243077 05PROMWY 138 245207 PROMWAY 12.0 1
END	
CONTINGENCY '6603_B2_TOR3700745A_MOAB'	
OPEN BRANCH FROM BUS 243077 TO BUS 243134 CKT 1	/ 243077 05PROMWY 138 243134 05W CANT 138 1
END	
CONTINGENCY '6605_B2_TOR3700745B_MOAB'	
OPEN BRANCH FROM BUS 243077 TO BUS 243142 CKT 1	/ 243077 05PROMWY 138 243142 05WAYVIE 138 1
END	
CONTINGENCY '6934_B2_TOR3800000'	
OPEN BRANCH FROM BUS 243517 TO BUS 243385 CKT 1	/ 243517 05CAP AV 138 243385 05TWIN B 138 1
END	
CONTINGENCY '6607_B2_TOR3900000_WOMOAB'	
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1

OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243351 CKT 1	/ 243287 05EELKHA 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEX L 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
OPEN BRANCH FROM BUS 243351 TO BUS 246407 CKT 1	/ 243351 05NORTH L 138 246407 NORTH L 12.0 1
END	
CONTINGENCY '6940_B2_TOR3900000A_MOAB'	
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEX L 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
END	
CONTINGENCY '6941_B2_TOR3900000B_MOAB'	
OPEN BRANCH FROM BUS 243287 TO BUS 243351 CKT 1	/ 243287 05EELKHA 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243351 TO BUS 246407 CKT 1	/ 243351 05NORTH L 138 246407 NORTH L 12.0 1
END	
CONTINGENCY '6613_B2_TOR4216677'	
OPEN BRANCH FROM BUS 243017 TO BUS 246950 CKT 1	/ 243017 05HAVILN 138 246950 05TIMBSS 138 1
END	
CONTINGENCY '6631_B2_TOR4300770'	
OPEN BRANCH FROM BUS 243242 TO BUS 247521 CKT 1	/ 243242 05ALLEN 138 247521 T-131 C 138 1
END	
CONTINGENCY '6629_B2_TOR4500770_WOMOAB'	
OPEN BRANCH FROM BUS 242991 TO BUS 243051 CKT 1	/ 242991 05E SIDE 138 243051 05NDELPH 138 1
OPEN BRANCH FROM BUS 242991 TO BUS 243108 CKT 1	/ 242991 05E SIDE 138 243108 05STRNL 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 247521 CKT 1	/ 243051 05NDELPH 138 247521 T-131 C 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 243175 CKT 1	/ 243051 05NDELPH 138 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 242991 TO BUS 245822 CKT 1	/ 242991 05E SIDE 138 245822 E.SIDE L 12.0 1
OPEN BRANCH FROM BUS 245874 TO BUS 243175 CKT 1	/ 245874 E DELPHO 69.0 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 245878 TO BUS 243175 CKT 1	/ 245878 FTJENNG8 69.0 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 243175 TO BUS 245902 CKT 1	/ 243175 N DELPHO 69.0 245902 S DELPHO 69.0 1
END	
CONTINGENCY '6626_B2_TOR4500770A_MOAB'	
OPEN BRANCH FROM BUS 242991 TO BUS 243108 CKT 1	/ 242991 05E SIDE 138 243108 05STRNL 138 1
OPEN BRANCH FROM BUS 242991 TO BUS 245822 CKT 1	/ 242991 05E SIDE 138 245822 E.SIDE L 12.0 1
END	
CONTINGENCY '6627_B2_TOR4500770B_MOAB'	
OPEN BRANCH FROM BUS 242991 TO BUS 243051 CKT 1	/ 242991 05E SIDE 138 243051 05NDELPH 138 1
END	
CONTINGENCY '6628_B2_TOR4500770C_MOAB'	
OPEN BRANCH FROM BUS 243051 TO BUS 247521 CKT 1	/ 243051 05NDELPH 138 247521 T-131 C 138 1
END	
CONTINGENCY '6689_B2_TOR4616757'	
OPEN BRANCH FROM BUS 246929 TO BUS 247503 CKT 1	/ 246929 05MADDOX 345 247503 T-130 C 345 1
END	
CONTINGENCY '6695_B2_TOR4716757'	
OPEN BRANCH FROM BUS 242933 TO BUS 247503 CKT 1	/ 242933 05RPMONE 345 247503 T-130 C 345 1
END	
CONTINGENCY '6705_B2_TOR4800585'	
OPEN BRANCH FROM BUS 242945 TO BUS 247504 CKT 1	/ 242945 05SW LIM 345 247504 T-142 C 345 1
END	
CONTINGENCY '6706_B2_TOR4900585'	
OPEN BRANCH FROM BUS 242939 TO BUS 247504 CKT 1	/ 242939 05MARYSV 345 247504 T-142 C 345 1
END	
CONTINGENCY '7533_B2_TOR5000058'	
OPEN BRANCH FROM BUS 242547 TO BUS 242833 CKT 1	/ 242547 05BAILS2 138 242833 05TRAILF 138 1

END	
CONTINGENCY '6763_B2_TOR5200548'	
OPEN BRANCH FROM BUS 246888 TO BUS 243454 CKT 1	/ 246888 05BIERSR 345 243454 05BIXBY 345 1
END	
CONTINGENCY '6764_B2_TOR5300548'	
OPEN BRANCH FROM BUS 246888 TO BUS 242938 CKT 1	/ 246888 05BIERSR 345 242938 05MARQUI 345 1
END	
CONTINGENCY '8273_B2_TOR5402871_WOMOAB'	
OPEN BRANCH FROM BUS 243318 TO BUS 243385 CKT 2	/ 243318 05JACKSR 138 243385 05TWIN B 138 2
OPEN BRANCH FROM BUS 243318 TO BUS 246325 CKT 4	/ 243318 05JACKSR 138 246325 JACKRD L 12.0 4
END	
CONTINGENCY '8274_B2_TOR5402871A_MOAB'	
OPEN BRANCH FROM BUS 243318 TO BUS 243385 CKT 2	/ 243318 05JACKSR 138 243385 05TWIN B 138 2
END	
CONTINGENCY '8275_B2_TOR5502871'	
OPEN BRANCH FROM BUS 243264 TO BUS 243385 CKT 1	/ 243264 05CONCOR 138 243385 05TWIN B 138 1
END	
CONTINGENCY '6791_B2_TOR5600000_WOMOAB'	
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243510 TO BUS 246612 CKT Z1	/ 243510 05GAHANN 138 246612 GAHANNA 34.5 Z1
END	
CONTINGENCY '6792_B2_TOR5600000A_MOAB'	
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
END	
CONTINGENCY '6800_B2_TOR5700000'	
OPEN BRANCH FROM BUS 243526 TO BUS 243566 CKT 2	/ 243526 05HYATT 138 243566 05SAWMIL 138 2
END	
CONTINGENCY '6856_B2_TOR6201747'	
OPEN BRANCH FROM BUS 243253 TO BUS 243362 CKT 1	/ 243253 05BLUFFP 138 243362 05RANDOL 138 1
END	
CONTINGENCY '6857_B2_TOR6301747'	
OPEN BRANCH FROM BUS 243262 TO BUS 243310 CKT 1	/ 243262 05COLLCO 138 243310 05HODGIN 138 1
OPEN BRANCH FROM BUS 243310 TO BUS 243362 CKT 1	/ 243310 05HODGIN 138 243362 05RANDOL 138 1
OPEN BRANCH FROM BUS 243310 TO BUS 243400 CKT 1	/ 243310 05HODGIN 138 243400 05HODGIN 69.0 1
END	
CONTINGENCY '6875_B2_TOR6601701'	
OPEN BRANCH FROM BUS 243233 TO BUS 247515 CKT 2	/ 243233 05TANNER 345 247515 V4-033 C 345 2
END	
CONTINGENCY '6874_B2_TOR6701701'	
OPEN BRANCH FROM BUS 247508 TO BUS 247515 CKT 2	/ 247508 U2-090 C 345 247515 V4-033 C 345 2
END	
CONTINGENCY '6931_B2_TOR6801701'	
OPEN BRANCH FROM BUS 243218 TO BUS 247508 CKT 2	/ 243218 05DESOTO 345 247508 U2-090 C 345 2
END	
CONTINGENCY '7339_B2_TOR6902268'	
OPEN BRANCH FROM BUS 243464 TO BUS 246942 CKT 1	/ 243464 05ADAMS 138 246942 05WARERD 138 1
END	
CONTINGENCY '7340_B2_TOR7002268'	
OPEN BRANCH FROM BUS 243464 TO BUS 243571 CKT 1	/ 243464 05ADAMS 138 243571 05SEAMAN 138 1
END	
CONTINGENCY '7341_B2_TOR7102268_WOMOAB'	
OPEN BRANCH FROM BUS 246911 TO BUS 247035 CKT 1	/ 246911 05HIGHLA 138 247035 05NMARSS 138 1
OPEN BRANCH FROM BUS 246912 TO BUS 247035 CKT 1	/ 246912 05N MKT8 138 247035 05NMARSS 138 1
OPEN BRANCH FROM BUS 247035 TO BUS 243571 CKT 1	/ 247035 05NMARSS 138 243571 05SEAMAN 138 1
OPEN BRANCH FROM BUS 246912 TO BUS 246915 CKT Z1	/ 246912 05N MKT8 138 246915 NEW MKT8 12.0 Z1
END	
CONTINGENCY '8113_B2_TOR7102268A_MOAB'	
OPEN BRANCH FROM BUS 247035 TO BUS 243571 CKT 1	/ 247035 05NMARSS 138 243571 05SEAMAN 138 1
END	
CONTINGENCY '8114_B2_TOR7102268B_MOAB'	
OPEN BRANCH FROM BUS 246911 TO BUS 247035 CKT 1	/ 246911 05HIGHLA 138 247035 05NMARSS 138 1


```

END
CONTINGENCY '7342_B2_TOR7202268'
  OPEN BRANCH FROM BUS 246911 TO BUS 243019 CKT 1      / 246911 05HIGHLA 138 243019 05HILLSB 138 1
END
CONTINGENCY '8773_B2_TOR7301744'
  OPEN BRANCH FROM BUS 247116 TO BUS 246988 CKT 1      / 247116 05ALEXAN 138 246988 05STRWTN 138 1
END
CONTINGENCY '6963_B2_TOR7401744_WOMOAB'
  OPEN BRANCH FROM BUS 243274 TO BUS 243303 CKT 1      / 243274 05DEERCR 138 243303 05GRNTTA 138 1
  OPEN BRANCH FROM BUS 243293 TO BUS 243303 CKT 1      / 243293 05FISHER 138 243303 05GRNTTA 138 1
  OPEN BRANCH FROM BUS 243303 TO BUS 246763 CKT 1      / 243303 05GRNTTA 138 246763 05PIPECK 138 1
  OPEN BRANCH FROM BUS 246763 TO BUS 246988 CKT 1      / 246763 05PIPECK 138 246988 05STRWTN 138 1
  OPEN BRANCH FROM BUS 246763 TO BUS 246010 CKT Z1     / 246763 05PIPECK 138 246010 PIPE CKL 12.0 Z1
END
CONTINGENCY '6964_B2_TOR7401744A_MOAB'
  OPEN BRANCH FROM BUS 246763 TO BUS 246988 CKT 1      / 246763 05PIPECK 138 246988 05STRWTN 138 1
END
CONTINGENCY '6965_B2_TOR7401744B_MOAB'
  OPEN BRANCH FROM BUS 243274 TO BUS 243303 CKT 1      / 243274 05DEERCR 138 243303 05GRNTTA 138 1
  OPEN BRANCH FROM BUS 243293 TO BUS 243303 CKT 1      / 243293 05FISHER 138 243303 05GRNTTA 138 1
  OPEN BRANCH FROM BUS 243303 TO BUS 246763 CKT 1      / 243303 05GRNTTA 138 246763 05PIPECK 138 1
END
CONTINGENCY '7003_B2_TOR7801747'
  OPEN BRANCH FROM BUS 243253 TO BUS 243319 CKT 1      / 243253 05BLUFFP 138 243319 05JAY 138 1
END
CONTINGENCY '7021_B2_TOR7901689B'
  OPEN BRANCH FROM BUS 243212 TO BUS 247502 CKT 1      / 243212 05BENTON 345 247502 T-094 345 1
END
CONTINGENCY '7023_B2_TOR8101690'
  OPEN BRANCH FROM BUS 243215 TO BUS 247502 CKT 2      / 243215 05COOK 345 247502 T-094 345 2
END
CONTINGENCY '7017_B2_TOR8300000'
  OPEN BRANCH FROM BUS 247527 TO BUS 247502 CKT Z1     / 247527 05COVERT 345 247502 T-094 345 Z1
  OPEN BRANCH FROM BUS 247527 TO BUS 247531 TO BUS 247528 CKT 1 / 247527 05COVERT 345 247531 05COVRT4
16.5 247528 05COVRT1 16.0 1
  OPEN BRANCH FROM BUS 247527 TO BUS 247532 TO BUS 247529 CKT 2 / 247527 05COVERT 345 247532 05COVRT5
16.5 247529 05COVRT2 16.0 2
  OPEN BRANCH FROM BUS 247527 TO BUS 247533 TO BUS 247530 CKT 3 / 247527 05COVERT 345 247533 05COVRT6
16.5 247530 05COVRT3 16.0 3
  REMOVE UNIT S1 FROM BUS 247531                        / 247531 05COVRT4 16.5
  REMOVE UNIT S2 FROM BUS 247532                        / 247532 05COVRT5 16.5
  REMOVE UNIT S3 FROM BUS 247533                        / 247533 05COVRT6 16.5
  REMOVE UNIT G1 FROM BUS 247528                        / 247528 05COVRT1 16.0
  REMOVE UNIT G2 FROM BUS 247529                        / 247529 05COVRT2 16.0
  REMOVE UNIT G3 FROM BUS 247530                        / 247530 05COVRT3 16.0
END
CONTINGENCY '7708_B2_TOR8404783_WOMOAB'
  OPEN BRANCH FROM BUS 242953 TO BUS 243110 CKT 1      / 242953 05AIRCO8 138 243110 05STIFFI 138 1
  OPEN BRANCH FROM BUS 242953 TO BUS 243137 CKT 1      / 242953 05AIRCO8 138 243137 05W.END 138 1
  OPEN BRANCH FROM BUS 243039 TO BUS 243110 CKT 1      / 243039 05MELMOR 138 243110 05STIFFI 138 1
  OPEN BRANCH FROM BUS 243110 TO BUS 245630 CKT 1      / 243110 05STIFFI 138 245630 S TIFFIN 69.0 1
  OPEN BRANCH FROM BUS 242953 TO BUS 245602 CKT 1      / 242953 05AIRCO8 138 245602 AIRCO L8 12.0 1
END
CONTINGENCY '7710_B2_TOR8404783A_MOAB'
  OPEN BRANCH FROM BUS 243039 TO BUS 243110 CKT 1      / 243039 05MELMOR 138 243110 05STIFFI 138 1
END
CONTINGENCY '7711_B2_TOR8404783B_MOAB'
  OPEN BRANCH FROM BUS 242953 TO BUS 243110 CKT 1      / 242953 05AIRCO8 138 243110 05STIFFI 138 1
  OPEN BRANCH FROM BUS 242953 TO BUS 243137 CKT 1      / 242953 05AIRCO8 138 243137 05W.END 138 1
  OPEN BRANCH FROM BUS 242953 TO BUS 245602 CKT 1      / 242953 05AIRCO8 138 245602 AIRCO L8 12.0 1
END

```

CONTINGENCY '7709_B2_TOR8504783_WOMOAB'	
OPEN BRANCH FROM BUS 242984 TO BUS 243024 CKT 1	/ 242984 05CHATFL 138 243024 05HOWARD 138 1
OPEN BRANCH FROM BUS 242984 TO BUS 243039 CKT 1	/ 242984 05CHATFL 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 242984 TO BUS 245656 CKT 1	/ 242984 05CHATFL 138 245656 CHATFIEL 69.0 1
OPEN BRANCH FROM BUS 245655 TO BUS 245656 CKT 1	/ 245655 CARROTHR 69.0 245656 CHATFIEL 69.0 1
OPEN BRANCH FROM BUS 245656 TO BUS 245670 CKT 1	/ 245656 CHATFIEL 69.0 245670 NEWWASH8 69.0 1
END	
CONTINGENCY '7712_B2_TOR8504783A_MOAB'	
OPEN BRANCH FROM BUS 242984 TO BUS 243024 CKT 1	/ 242984 05CHATFL 138 243024 05HOWARD 138 1
END	
CONTINGENCY '7713_B2_TOR8504783B_MOAB'	
OPEN BRANCH FROM BUS 242984 TO BUS 243039 CKT 1	/ 242984 05CHATFL 138 243039 05MELMOR 138 1
END	
CONTINGENCY '7104_B2_TOR8800707'	
OPEN BRANCH FROM BUS 243006 TO BUS 243039 CKT 1	/ 243006 05FOSTOR 138 243039 05MELMOR 138 1
END	
CONTINGENCY '7105_B2_TOR8900707'	
OPEN BRANCH FROM BUS 243024 TO BUS 243039 CKT 1	/ 243024 05HOWARD 138 243039 05MELMOR 138 1
END	
CONTINGENCY '7106_B2_TOR9000707'	
OPEN BRANCH FROM BUS 243015 TO BUS 243039 CKT 1	/ 243015 05GREENL 138 243039 05MELMOR 138 1
END	
CONTINGENCY '7612_B2_TOR9301759'	
OPEN BRANCH FROM BUS 243349 TO BUS 246996 CKT 1	/ 243349 05NEWCAR 138 246996 05PLETCH 138 1
END	
CONTINGENCY '7609_B2_TOR9401759_WOMOAB'	
OPEN BRANCH FROM BUS 246445 TO BUS 243277 CKT 1	/ 246445 DERBY EQ 999 243277 05DERBY 138 1
OPEN BRANCH FROM BUS 246445 TO BUS 246443 CKT 1	/ 246445 DERBY EQ 999 246443 DERBY 69.0 1
OPEN BRANCH FROM BUS 246445 TO BUS 246442 CKT 1	/ 246445 DERBY EQ 999 246442 DERBY 34.5 1
OPEN BRANCH FROM BUS 243248 TO BUS 243277 CKT 1	/ 243248 05BARODA 138 243277 05DERBY 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246996 CKT 1	/ 243248 05BARODA 138 246996 05PLETCH 138 1
OPEN BRANCH FROM BUS 243277 TO BUS 243335 CKT 1	/ 243277 05DERBY 138 243335 05MAIN S 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246421 CKT Z1	/ 243248 05BARODA 138 246421 BARODA L 12.0 Z1
OPEN BRANCH FROM BUS 246442 TO BUS 246446 CKT 1	/ 246442 DERBY 34.5 246446 DERBY Z 34.5 1
END	
CONTINGENCY '7611_B2_TOR9401759A_MOAB'	
OPEN BRANCH FROM BUS 243277 TO BUS 243335 CKT 1	/ 243277 05DERBY 138 243335 05MAIN S 138 1
END	
CONTINGENCY '7610_B2_TOR9401759B_MOAB'	
OPEN BRANCH FROM BUS 243248 TO BUS 243277 CKT 1	/ 243248 05BARODA 138 243277 05DERBY 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246996 CKT 1	/ 243248 05BARODA 138 246996 05PLETCH 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246421 CKT Z1	/ 243248 05BARODA 138 246421 BARODA L 12.0 Z1
END	
CONTINGENCY '7606_B2_TOR9501758'	
OPEN BRANCH FROM BUS 243353 TO BUS 246994 CKT 1	/ 243353 05OLIVE 138 246994 05RICKMN 138 1
END	
CONTINGENCY '7607_B2_TOR9601758'	
OPEN BRANCH FROM BUS 243308 TO BUS 246994 CKT 1	/ 243308 05HICKOR 138 246994 05RICKMN 138 1
END	
CONTINGENCY '7207_B2_TOR9700575'	
OPEN BRANCH FROM BUS 243458 TO BUS 246752 CKT 1	/ 243458 05HYATT 345 246752 05VASSEL 345 1
END	
CONTINGENCY '7208_B2_TOR9800575'	
OPEN BRANCH FROM BUS 243456 TO BUS 246752 CKT 1	/ 243456 05CORRID 345 246752 05VASSEL 345 1
END	
CONTINGENCY '7209_B2_TOR9900575'	
OPEN BRANCH FROM BUS 243456 TO BUS 246752 CKT 2	/ 243456 05CORRID 345 246752 05VASSEL 345 2
END	
CONTINGENCY '7646_B2_TOR11000179'	
OPEN BRANCH FROM BUS 243695 TO BUS 243701 CKT 1	/ 243695 05JOHNSC 138 243701 05STONE 138 1
END	

CONTINGENCY '7647_B2_TOR11100179'	
OPEN BRANCH FROM BUS 242809 TO BUS 243701 CKT 1	/ 242809 05SPRIG1 138 243701 05STONE 138 1
END	
CONTINGENCY '7699_B2_TOR11202268'	
OPEN BRANCH FROM BUS 243464 TO BUS 246942 CKT 1	/ 243464 05ADAMS 138 246942 05WARERD 138 1
OPEN BRANCH FROM BUS 246942 TO BUS 243585 CKT 1	/ 246942 05WARERD 138 243585 05WAVERL 138 1
OPEN BRANCH FROM BUS 246942 TO BUS 246987 CKT Z1	/ 246942 05WARERD 138 246987 WARE RD8 69.0 Z1
END	
CONTINGENCY '7757_B2_TOR11500705'	
OPEN BRANCH FROM BUS 247172 TO BUS 243006 CKT 1	/ 247172 05EBERSO 138 243006 05FOSTOR 138 1
END	
CONTINGENCY '7758_B2_TOR11600705'	
OPEN BRANCH FROM BUS 245749 TO BUS 243004 CKT 1	/ 245749 FNDCTREQ 999 243004 05FINDLC 138 1
OPEN BRANCH FROM BUS 245749 TO BUS 245747 CKT 1	/ 245749 FNDCTREQ 999 245747 FINDLY C 34.5 1
OPEN BRANCH FROM BUS 247172 TO BUS 243033 CKT 1	/ 247172 05EBERSO 138 243033 05MARN Z 138 1
OPEN BRANCH FROM BUS 243004 TO BUS 243033 CKT 1	/ 243004 05FINDLC 138 243033 05MARN Z 138 1
OPEN BRANCH FROM BUS 243033 TO BUS 245797 CKT 1	/ 243033 05MARN Z 138 245797 MARION 8 12.0 1
END	
CONTINGENCY '7759_B2_TOR11700706_WOMOAB'	
OPEN BRANCH FROM BUS 247172 TO BUS 243059 CKT 1	/ 247172 05EBERSO 138 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 245773 CKT 1	/ 243059 05NFINDL 138 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245737 TO BUS 245773 CKT 1	/ 245737 DOWCHEM1 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245762 TO BUS 245773 CKT 1	/ 245762 N BALTMR 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 247192 TO BUS 245773 CKT 1	/ 247192 NFINDL Z 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245773 TO BUS 245793 CKT 1	/ 245773 NFINDLY2 34.5 245793 W MELROS 34.5 1
END	
CONTINGENCY '7760_B2_TOR11700706A_MOAB'	
OPEN BRANCH FROM BUS 247172 TO BUS 243059 CKT 1	/ 247172 05EBERSO 138 243059 05NFINDL 138 1
END	
CONTINGENCY '7761_B2_TOR11800706'	
OPEN BRANCH FROM BUS 247172 TO BUS 243006 CKT 2	/ 247172 05EBERSO 138 243006 05FOSTOR 138 2
END	
CONTINGENCY '7762_B2_TOR11900706'	
OPEN BRANCH FROM BUS 247172 TO BUS 247211 CKT 1	/ 247172 05EBERSO 138 247211 EBERSOLE 34.5 1
OPEN BRANCH FROM BUS 247211 TO BUS 245754 CKT 1	/ 247211 EBERSOLE 34.5 245754 LANDMRK8 34.5 1
END	
CONTINGENCY '7825_B2_TOR12000066_WOMOAB'	
OPEN BRANCH FROM BUS 242630 TO BUS 242784 CKT 1	/ 242630 05E.RIVE 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242630 TO BUS 242786 CKT 1	/ 242630 05E.RIVE 138 242786 05S.PRI1 138 1
OPEN BRANCH FROM BUS 242630 TO BUS 244348 CKT 1	/ 242630 05E.RIVE 138 244348 ERIVRM L 34.5 1
END	
CONTINGENCY '7827_B2_TOR12000066A_MOAB'	
OPEN BRANCH FROM BUS 242630 TO BUS 242786 CKT 1	/ 242630 05E.RIVE 138 242786 05S.PRI1 138 1
END	
CONTINGENCY '7828_B2_TOR12000066B_MOAB'	
OPEN BRANCH FROM BUS 242630 TO BUS 242784 CKT 1	/ 242630 05E.RIVE 138 242784 05S.BLUE 138 1
END	
CONTINGENCY '7826_B2_TOR12100066_WOMOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242557 TO BUS 242784 CKT 1	/ 242557 05BLUEF2 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242630 TO BUS 242784 CKT 1	/ 242630 05E.RIVE 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242784 TO BUS 244360 CKT 1	/ 242784 05S.BLUE 138 244360 SBLFELD 69.0 1
OPEN BRANCH FROM BUS 242557 TO BUS 244370 CKT Z1	/ 242557 05BLUEF2 138 244370 BLFLD2 L 12.0 Z1
OPEN BRANCH FROM BUS 242784 TO BUS 244361 CKT 1	/ 242784 05S.BLUE 138 244361 SBLFIELD 12.0 1
OPEN BRANCH FROM BUS 244158 TO BUS 244360 CKT 1	/ 244158 BLAND 69.0 244360 SBLFELD 69.0 1
END	
CONTINGENCY '7829_B2_TOR12100066A_MOAB'	
OPEN BRANCH FROM BUS 242557 TO BUS 242784 CKT 1	/ 242557 05BLUEF2 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242630 TO BUS 242784 CKT 1	/ 242630 05E.RIVE 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242784 TO BUS 244360 CKT 1	/ 242784 05S.BLUE 138 244360 SBLFELD 69.0 1
OPEN BRANCH FROM BUS 242784 TO BUS 244361 CKT 1	/ 242784 05S.BLUE 138 244361 SBLFIELD 12.0 1

OPEN BRANCH FROM BUS 244158 TO BUS 244360 CKT 1 END	/ 244158 BLAND 69.0 244360 SBLFELD 69.0 1
CONTINGENCY '7820_B2_TOR12200065_WOMOAB'	
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 242827 CKT 1	/ 242571 05BUCKHO 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 244273 CKT 1 END	/ 242571 05BUCKHO 138 244273 BUCKHR L 34.5 1
CONTINGENCY '7822_B2_TOR12200065A_MOAB'	
OPEN BRANCH FROM BUS 242571 TO BUS 242827 CKT 1	/ 242571 05BUCKHO 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 244273 CKT 1 END	/ 242571 05BUCKHO 138 244273 BUCKHR L 34.5 1
CONTINGENCY '7823_B2_TOR12200065B_MOAB'	
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1 END	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
CONTINGENCY '7821_B2_TOR12300065_WOMOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242556 TO BUS 242707 CKT 1	/ 242556 05BLUEF1 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242556 TO BUS 244341 CKT 1	/ 242556 05BLUEF1 138 244341 BLFLD1 L 12.0 1
OPEN BRANCH FROM BUS 242707 TO BUS 244300 CKT 1 END	/ 242707 05LOWESM 138 244300 LNSMPN L 12.0 1
CONTINGENCY '7824_B2_TOR12300065A_MOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242707 CKT 1	/ 242556 05BLUEF1 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242707 TO BUS 244300 CKT 1 END	/ 242707 05LOWESM 138 244300 LNSMPN L 12.0 1
CONTINGENCY '7851_B2_TOR12402868'	
OPEN BRANCH FROM BUS 243247 TO BUS 243267 CKT 1	/ 243247 05AUBURN 138 243267 05COUNTY 138 1
OPEN BRANCH FROM BUS 243267 TO BUS 243366 CKT 1	/ 243267 05COUNTY 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243267 TO BUS 246187 CKT 1 END	/ 243267 05COUNTY 138 246187 CTYLIN L 12.0 1
CONTINGENCY '7852_B2_TOR12502868_WOMOAB'	
OPEN BRANCH FROM BUS 243786 TO BUS 243397 CKT 1	/ 243786 05APCI 138 243397 05WILMGZ 138 1
OPEN BRANCH FROM BUS 243247 TO BUS 243397 CKT 2	/ 243247 05AUBURN 138 243397 05WILMGZ 138 2
OPEN BRANCH FROM BUS 243366 TO BUS 243397 CKT 2 END	/ 243366 05ROB PK 138 243397 05WILMGZ 138 2
CONTINGENCY '7853_B2_TOR12502868A_MOAB'	
OPEN BRANCH FROM BUS 243786 TO BUS 243397 CKT 1 END	/ 243786 05APCI 138 243397 05WILMGZ 138 1
CONTINGENCY '7887_B2_TOR12602686'	
OPEN BRANCH FROM BUS 243316 TO BUS 243338 CKT 1 END	/ 243316 05INDUSP 138 243338 05MCKINL 138 1
CONTINGENCY '7888_B2_TOR12702686'	
OPEN BRANCH FROM BUS 243316 TO BUS 243378 CKT 1 END	/ 243316 05INDUSP 138 243378 05SPY RU 138 1
CONTINGENCY '7912_B2_TOR12811837'	
OPEN BRANCH FROM BUS 243241 TO BUS 243375 CKT 1	/ 243241 05ALBION 138 243375 05SKINNR 138 1
OPEN BRANCH FROM BUS 243321 TO BUS 243375 CKT 1	/ 243321 05KENDAL 138 243375 05SKINNR 138 1
OPEN BRANCH FROM BUS 243375 TO BUS 246222 CKT 1 END	/ 243375 05SKINNR 138 246222 SKINNER 12.0 1
CONTINGENCY '7913_B2_TOR12911837_WOMOAB'	
OPEN BRANCH FROM BUS 243251 TO BUS 243252 CKT 1	/ 243251 05BIXLER 138 243252 05BIXLRT 138 1
OPEN BRANCH FROM BUS 243252 TO BUS 243321 CKT 1	/ 243252 05BIXLRT 138 243321 05KENDAL 138 1
OPEN BRANCH FROM BUS 243252 TO BUS 246769 CKT 1	/ 243252 05BIXLRT 138 246769 05MINERR 138 1
OPEN BRANCH FROM BUS 243295 TO BUS 246769 CKT 1	/ 243295 05GARRET 138 246769 05MINERR 138 1
OPEN BRANCH FROM BUS 243321 TO BUS 246200 CKT 1	/ 243321 05KENDAL 138 246200 KENDALVI 69.0 1
OPEN BRANCH FROM BUS 243251 TO BUS 246225 CKT 1	/ 243251 05BIXLER 138 246225 BIXLER L 12.0 1
OPEN BRANCH FROM BUS 246769 TO BUS 246220 CKT 1 END	/ 246769 05MINERR 138 246220 MINERR L 12.0 1
CONTINGENCY '7914_B2_TOR12911837A_MOAB'	
OPEN BRANCH FROM BUS 243252 TO BUS 243321 CKT 1	/ 243252 05BIXLRT 138 243321 05KENDAL 138 1

OPEN BRANCH FROM BUS 243321 TO BUS 246200 CKT 1 END	/ 243321 05KENDAL 138 246200 KENDALVI 69.0 1
CONTINGENCY '7915_B2_TOR12911837B_MOAB'	
OPEN BRANCH FROM BUS 243252 TO BUS 246769 CKT 1	/ 243252 05BIXLRT 138 246769 05MINERR 138 1
OPEN BRANCH FROM BUS 243295 TO BUS 246769 CKT 1	/ 243295 05GARRET 138 246769 05MINERR 138 1
OPEN BRANCH FROM BUS 246769 TO BUS 246220 CKT 1 END	/ 246769 05MINERR 138 246220 MINERR L 12.0 1
CONTINGENCY '7941_B2_TOR13112517'	
OPEN BRANCH FROM BUS 242574 TO BUS 247022 CKT 1 END	/ 242574 05CABINC 138 247022 05HERNSH 138 1
CONTINGENCY '8021_B2_TOR13610179'	
OPEN BRANCH FROM BUS 243215 TO BUS 243220 CKT 1 END	/ 243215 05COOK 345 243220 05EELKHA 345 1
CONTINGENCY '8181_B2_TOR13901756'	
OPEN BRANCH FROM BUS 243382 TO BUS 247588 CKT 1 END	/ 243382 05TANNER 138 247588 W4-004 C 138 1
CONTINGENCY '8182_B2_TOR14001756'	
OPEN BRANCH FROM BUS 243333 TO BUS 247588 CKT 1 END	/ 243333 05MADISO 138 247588 W4-004 C 138 1
CONTINGENCY '8331_B2_TOR77700177_WOMOAB'	
OPEN BRANCH FROM BUS 243673 TO BUS 243685 CKT 1	/ 243673 05BEEFHI 138 243685 05DORTON 138 1
OPEN BRANCH FROM BUS 243673 TO BUS 243687 CKT 1	/ 243673 05BEEFHI 138 243687 05FLEMIN 138 1
OPEN BRANCH FROM BUS 243687 TO BUS 243722 CKT 1	/ 243687 05FLEMIN 138 243722 FLEMING 69.0 1
OPEN BRANCH FROM BUS 243673 TO BUS 244652 CKT Z1	/ 243673 05BEEFHI 138 244652 BEEFHIDL 34.5 Z1
OPEN BRANCH FROM BUS 243722 TO BUS 243736 CKT 1 END	/ 243722 FLEMING 69.0 243736 JENKINS 69.0 1
CONTINGENCY '6003_B2_TOR77700177A_MOAB'	
OPEN BRANCH FROM BUS 243673 TO BUS 243687 CKT 1	/ 243673 05BEEFHI 138 243687 05FLEMIN 138 1
OPEN BRANCH FROM BUS 243687 TO BUS 243722 CKT 1	/ 243687 05FLEMIN 138 243722 FLEMING 69.0 1
OPEN BRANCH FROM BUS 243722 TO BUS 243736 CKT 1 END	/ 243722 FLEMING 69.0 243736 JENKINS 69.0 1
CONTINGENCY '5960_B2_TOR88800177B_MOAB'	
OPEN BRANCH FROM BUS 243685 TO BUS 243899 CKT 1 END	/ 243685 05DORTON 138 243899 05LOCKHA 138 1
CONTINGENCY '5959_B2_TOR99900177'	
OPEN BRANCH FROM BUS 243671 TO BUS 243685 CKT 1 END	/ 243671 05BEAVR1 138 243685 05DORTON 138 1
CONTINGENCY '319_B3'	
OPEN BRANCH FROM BUS 242511 TO BUS 242566 CKT 1 END	/ 242511 05BROADF 765 242566 05BROADF 138 1
CONTINGENCY '321_B3'	
OPEN BRANCH FROM BUS 242521 TO BUS 242729 CKT 3 END	/ 242521 05NAGEL 500 242729 05NAGEL 138 3
CONTINGENCY '326_B3'	
OPEN BRANCH FROM BUS 242522 TO BUS 242537 CKT 8 END	/ 242522 05AMOS 345 242537 05AMOS 138 8
CONTINGENCY '1257_B3'	
OPEN BRANCH FROM BUS 243222 TO BUS 243292 CKT 2 END	/ 243222 05FALL C 345 243292 05FALL C 138 2
CONTINGENCY '744_B3'	
OPEN BRANCH FROM BUS 242936 TO BUS 243006 CKT 1 END	/ 242936 05FOSTOR 345 243006 05FOSTOR 138 1
CONTINGENCY '678_B3'	
OPEN BRANCH FROM BUS 243233 TO BUS 243382 CKT 5 END	/ 243233 05TANNER 345 243382 05TANNER 138 5
CONTINGENCY '7482_B3_05ALLEN 345-1'	
OPEN BRANCH FROM BUS 243211 TO BUS 243242 CKT 1 END	/ 243211 05ALLEN 345 243242 05ALLEN 138 1
CONTINGENCY '7483_B3_05ALLEN 345-2'	
OPEN BRANCH FROM BUS 243211 TO BUS 243242 CKT 2 END	/ 243211 05ALLEN 345 243242 05ALLEN 138 2

CONTINGENCY '325_B3_05AMOS 345-7'	
OPEN BRANCH FROM BUS 242522 TO BUS 242537 CKT 7	/ 242522 05AMOS 345 242537 05AMOS 138 7
END	
CONTINGENCY '316_B3_05AMOS 765-5'	
OPEN BRANCH FROM BUS 242508 TO BUS 242522 CKT 5	/ 242508 05AMOS 765 242522 05AMOS 345 5
END	
CONTINGENCY '5005_B3_05AMOS 765-9'	
OPEN BRANCH FROM BUS 242508 TO BUS 242538 CKT 6	/ 242508 05AMOS 765 242538 05AMOSX6 138 6
OPEN BRANCH FROM BUS 242537 TO BUS 242538 CKT 1	/ 242537 05AMOS 138 242538 05AMOSX6 138 1
END	
CONTINGENCY '327_B3_05BAKER 345-1'	
OPEN BRANCH FROM BUS 242523 TO BUS 243670 CKT 1	/ 242523 05BAKER 345 243670 05BAKER 138 1
OPEN BRANCH FROM BUS 243669 TO BUS 243670 CKT 1	/ 243669 05B SAND 138 243670 05BAKER 138 1
END	
CONTINGENCY '317_B3_05BAKER 765-1'	
OPEN BRANCH FROM BUS 242510 TO BUS 242523 CKT 1	/ 242510 05BAKER 765 242523 05BAKER 345 1
END	
CONTINGENCY '7308_B3_05BAKER 765-3'	
OPEN BRANCH FROM BUS 242510 TO BUS 242523 CKT 3	/ 242510 05BAKER 765 242523 05BAKER 345 3
END	
CONTINGENCY '739_B3_05BEATTY 345-3'	
OPEN BRANCH FROM BUS 243453 TO BUS 243469 CKT 3	/ 243453 05BEATTY 345 243469 05BEATTY 138 3
END	
CONTINGENCY '3199_B3_05BEATTY 345-4'	
OPEN BRANCH FROM BUS 243453 TO BUS 243468 CKT 4	/ 243453 05BEATTY 345 243468 05BEATTX 138 4
OPEN BRANCH FROM BUS 243468 TO BUS 243469 CKT SR	/ 243468 05BEATTX 138 243469 05BEATTY 138 SR
OPEN BRANCH FROM BUS 243468 TO BUS 243469 CKT ZB	/ 243468 05BEATTX 138 243469 05BEATTY 138 ZB
END	
CONTINGENCY '7019_B3_05BENTON 345-1'	
OPEN BRANCH FROM BUS 243212 TO BUS 243250 CKT 1	/ 243212 05BENTON 345 243250 05BENTON 138 1
END	
CONTINGENCY '6781_B3_05BIERSR 345-1'	
OPEN BRANCH FROM BUS 246888 TO BUS 246889 CKT 1	/ 246888 05BIERSR 345 246889 05BIERSR 138 1
END	
CONTINGENCY '8763_B3_05BIM 138-T1'	
OPEN BRANCH FROM BUS 244477 TO BUS 242554 CKT 1	/ 244477 BIM EQ 999 242554 05BIM 138 1
OPEN BRANCH FROM BUS 244477 TO BUS 244475 CKT 1	/ 244477 BIM EQ 999 244475 BIM 69.0 1
OPEN BRANCH FROM BUS 244477 TO BUS 244474 CKT 1	/ 244477 BIM EQ 999 244474 BIM 46.0 1
OPEN BRANCH FROM BUS 242554 TO BUS 242847 CKT 1	/ 242554 05BIM 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 242820 CKT 1	/ 242799 05SHUMAT 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 242847 CKT 1	/ 242799 05SHUMAT 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242846 TO BUS 242847 CKT 1	/ 242846 05WHARTN 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 244487 CKT Z1	/ 242799 05SHUMAT 138 244487 SHUMATE 23.0 Z1
OPEN BRANCH FROM BUS 242846 TO BUS 244533 CKT 1	/ 242846 05WHARTN 138 244533 WHARTONL 13.2 1
END	
CONTINGENCY '741_B3_05BIXBY 345-1'	
OPEN BRANCH FROM BUS 243454 TO BUS 243473 CKT 1	/ 243454 05BIXBY 345 243473 05BIXBY 138 1
END	
CONTINGENCY '6762_B3_05BIXBY 345-2'	
OPEN BRANCH FROM BUS 243454 TO BUS 243473 CKT 2	/ 243454 05BIXBY 345 243473 05BIXBY 138 2
END	
CONTINGENCY '8481_B3_05BRUES 138-4'	
OPEN BRANCH FROM BUS 242968 TO BUS 245920 CKT 4	/ 242968 05BRUES 138 245920 BRUES 69.0 4
END	
CONTINGENCY '8486_B3_05BRUES2 138-5'	
OPEN BRANCH FROM BUS 242969 TO BUS 245921 CKT 5	/ 242969 05BRUES2 138 245921 BRUES-2 69.0 5
END	
CONTINGENCY '1277_B3_05CANTNC 345-12'	
OPEN BRANCH FROM BUS 242932 TO BUS 242980 CKT 12	/ 242932 05CANTNC 345 242980 05CANTNC 138 12
END	
CONTINGENCY '1388_B3_05CLOVRD 345-11'	

```

OPEN BRANCH FROM BUS 242524 TO BUS 242607 CKT 1A      / 242524 05CLOVRD 345 242607 05CLOVRD 138 1A
OPEN BRANCH FROM BUS 242524 TO BUS 242607 CKT 1B      / 242524 05CLOVRD 345 242607 05CLOVRD 138 1B
END
CONTINGENCY '328_B3_05CLOVRD 345-3'
  OPEN BRANCH FROM BUS 242524 TO BUS 242607 CKT 3      / 242524 05CLOVRD 345 242607 05CLOVRD 138 3
END
CONTINGENCY '8474_B3_05CLOVRD 500-15'
  OPEN BRANCH FROM BUS 242519 TO BUS 242524 CKT 15      / 242519 05CLOVRD 500 242524 05CLOVRD 345 15
END
CONTINGENCY '7424_B3_05CLOVRD 500-6B16'
  OPEN BRANCH FROM BUS 242519 TO BUS 242524 CKT 16      / 242519 05CLOVRD 500 242524 05CLOVRD 345 16
END
CONTINGENCY '7421_B3_05CLOVRD 765-141'
  OPEN BRANCH FROM BUS 242512 TO BUS 242519 CKT 14      / 242512 05CLOVRD 765 242519 05CLOVRD 500 14
END
CONTINGENCY '6226_B3_05CONES 345-1'
  OPEN BRANCH FROM BUS 243455 TO BUS 243488 CKT 7      / 243455 05CONES 345 243488 05CONESE 138 7
END
CONTINGENCY '8684_B3_05COOK 765-4'
  OPEN BRANCH FROM BUS 243205 TO BUS 243215 CKT 4      / 243205 05COOK 765 243215 05COOK 345 4
END
CONTINGENCY '6188_B3_05CORN 765-1'
  OPEN BRANCH FROM BUS 242921 TO BUS 242934 CKT 1      / 242921 05CORN 765 242934 05CORN 345 1
  REMOVE UNIT 1A FROM BUS 242934                      / 242934 05CORN 345
  REMOVE UNIT 1B FROM BUS 242934                      / 242934 05CORN 345
  REMOVE UNIT 1S FROM BUS 242934                      / 242934 05CORN 345
  REMOVE UNIT 2A FROM BUS 242934                      / 242934 05CORN 345
  REMOVE UNIT 2B FROM BUS 242934                      / 242934 05CORN 345
  REMOVE UNIT 2S FROM BUS 242934                      / 242934 05CORN 345
END
CONTINGENCY '6234_B3_05CORRID 345-2'
  OPEN BRANCH FROM BUS 243456 TO BUS 243491 CKT 2      / 243456 05CORRID 345 243491 05CORRID 138 2
END
CONTINGENCY '7014_B3_05COVERT 345-1'
  OPEN BRANCH FROM BUS 247527 TO BUS 247531 TO BUS 247528 CKT 1 / 247527 05COVERT 345 247531 05COVRT4
16.5 247528 05COVRT1 16.0 1
  REMOVE UNIT S1 FROM BUS 247531                      / 247531 05COVRT4 16.5
  REMOVE UNIT G1 FROM BUS 247528                      / 247528 05COVRT1 16.0
END
CONTINGENCY '7015_B3_05COVERT 345-2'
  OPEN BRANCH FROM BUS 247527 TO BUS 247532 TO BUS 247529 CKT 2 / 247527 05COVERT 345 247532 05COVRT5
16.5 247529 05COVRT2 16.0 2
  REMOVE UNIT S2 FROM BUS 247532                      / 247532 05COVRT5 16.5
  REMOVE UNIT G2 FROM BUS 247529                      / 247529 05COVRT2 16.0
END
CONTINGENCY '7016_B3_05COVERT 345-3'
  OPEN BRANCH FROM BUS 247527 TO BUS 247533 TO BUS 247530 CKT 3 / 247527 05COVERT 345 247533 05COVRT6
16.5 247530 05COVRT3 16.0 3
  REMOVE UNIT S3 FROM BUS 247533                      / 247533 05COVRT6 16.5
  REMOVE UNIT G3 FROM BUS 247530                      / 247530 05COVRT3 16.0
END
CONTINGENCY '674_B3_05DESOTO 345-1_WOMOP'
  OPEN BRANCH FROM BUS 243218 TO BUS 243278 CKT 1      / 243218 05DESOTO 345 243278 05DESOTO 138 1
END
CONTINGENCY '663_B3_05DUMONT 765-1'
  OPEN BRANCH FROM BUS 243206 TO BUS 243219 CKT 1      / 243206 05DUMONT 765 243219 05DUMONT 345 1
END
CONTINGENCY '17_B3_05DUMONT 765-2'
  OPEN BRANCH FROM BUS 243206 TO BUS 243219 CKT 2      / 243206 05DUMONT 765 243219 05DUMONT 345 2
  OPEN BRANCH FROM BUS 243219 TO BUS 909144 CKT 2      / 243219 05DUMONT 345 909144 X2-052 TAP 345 2
END

```

CONTINGENCY '57_B3_05E LIMA 345-1'
OPEN BRANCH FROM BUS 242935 TO BUS 242989 CKT 1 / 242935 05E LIMA 345 242989 05E LIMA 138 1
END
CONTINGENCY '56_B3_05E LIMA 345-2'
OPEN BRANCH FROM BUS 242935 TO BUS 242989 CKT 2 / 242935 05E LIMA 345 242989 05E LIMA 138 2
END
CONTINGENCY '8676_B3_05EDANV1 230-5'
OPEN BRANCH FROM BUS 242530 TO BUS 242631 CKT 5 / 242530 05EDANV1 230 242631 05EDAN 1 138 5
END
CONTINGENCY '8023_B3_05EELKHA 345-2'
OPEN BRANCH FROM BUS 243220 TO BUS 243287 CKT 2 / 243220 05EELKHA 345 243287 05EELKHA 138 2
END
CONTINGENCY '7383_B3_05FRCS-1 345-1'
OPEN BRANCH FROM BUS 246755 TO BUS 246757 CKT 1 / 246755 05FRCS-1 345 246757 05FRCS11 34.5 1
OPEN BRANCH FROM BUS 246757 TO BUS 243859 CKT 1 / 246757 05FRCS11 34.5 243859 05FR-11G C 0.60 1
OPEN BRANCH FROM BUS 243859 TO BUS 247900 CKT 1 / 243859 05FR-11G C 0.60 247900 05FR-11G E 0.60 1
REMOVE UNIT 1C FROM BUS 243859 / 243859 05FR-11G C 0.60
REMOVE UNIT 1E FROM BUS 247900 / 247900 05FR-11G E 0.60
END
CONTINGENCY '7384_B3_05FRCS-1 345-1'
OPEN BRANCH FROM BUS 246755 TO BUS 243860 CKT 1 / 246755 05FRCS-1 345 243860 05FRCS12 34.5 1
OPEN BRANCH FROM BUS 243860 TO BUS 243862 CKT 1 / 243860 05FRCS12 34.5 243862 05FR-12G C 0.60 1
OPEN BRANCH FROM BUS 243862 TO BUS 247901 CKT 1 / 243862 05FR-12G C 0.60 247901 05FR-12G E 0.60 1
REMOVE UNIT 1C FROM BUS 243862 / 243862 05FR-12G C 0.60
REMOVE UNIT 1E FROM BUS 247901 / 247901 05FR-12G E 0.60
END
CONTINGENCY '7385_B3_05FRCS-2 345-1'
OPEN BRANCH FROM BUS 246756 TO BUS 246758 CKT 1 / 246756 05FRCS-2 345 246758 05FRCS21 34.5 1
OPEN BRANCH FROM BUS 246758 TO BUS 243864 CKT 1 / 246758 05FRCS21 34.5 243864 05FR-21G C 0.60 1
OPEN BRANCH FROM BUS 243864 TO BUS 247902 CKT 1 / 243864 05FR-21G C 0.60 247902 05FR-21G E 0.60 1
REMOVE UNIT 1C FROM BUS 243864 / 243864 05FR-21G C 0.60
REMOVE UNIT 1E FROM BUS 247902 / 247902 05FR-21G E 0.60
END
CONTINGENCY '7386_B3_05FRCS-2 345-1'
OPEN BRANCH FROM BUS 246756 TO BUS 243865 CKT 1 / 246756 05FRCS-2 345 243865 05FRCS22 34.5 1
OPEN BRANCH FROM BUS 243865 TO BUS 243866 CKT 1 / 243865 05FRCS22 34.5 243866 05FR-22G C 0.69 1
OPEN BRANCH FROM BUS 243866 TO BUS 247903 CKT 1 / 243866 05FR-22G C 0.69 247903 05FR-22G E 0.69 1
REMOVE UNIT 1C FROM BUS 243866 / 243866 05FR-22G C 0.69
REMOVE UNIT 1E FROM BUS 247903 / 247903 05FR-22G E 0.69
END
CONTINGENCY '7388_B3_05FRCS-4 345-1'
OPEN BRANCH FROM BUS 243871 TO BUS 243872 CKT 1 / 243871 05FRCS-4 345 243872 05FRCS-4 34.5 1
OPEN BRANCH FROM BUS 243872 TO BUS 243873 CKT 1 / 243872 05FRCS-4 34.5 243873 05FR-4G C 0.69 1
OPEN BRANCH FROM BUS 243873 TO BUS 247905 CKT 1 / 243873 05FR-4G C 0.69 247905 05FR-4G E 0.69 1
REMOVE UNIT 1C FROM BUS 243873 / 243873 05FR-4G C 0.69
REMOVE UNIT 1E FROM BUS 247905 / 247905 05FR-4G E 0.69
END
CONTINGENCY '58_B3_05HYATT 345-1A'
OPEN BRANCH FROM BUS 243458 TO BUS 243526 CKT 1A / 243458 05HYATT 345 243526 05HYATT 138 1A
OPEN BRANCH FROM BUS 243458 TO BUS 243526 CKT 1B / 243458 05HYATT 345 243526 05HYATT 138 1B
END
CONTINGENCY '320_B3_05J.FERR 765-2'
OPEN BRANCH FROM BUS 242514 TO BUS 242684 CKT 2 / 242514 05J.FERR 765 242684 05J.FERR 138 2
END
CONTINGENCY '7586_B3_05J.FERR 765-3'
OPEN BRANCH FROM BUS 242514 TO BUS 242684 CKT 3 / 242514 05J.FERR 765 242684 05J.FERR 138 3
END
CONTINGENCY '1263_B3_05JACKSR 345-3_MOAB'
OPEN BRANCH FROM BUS 243223 TO BUS 243318 CKT 3 / 243223 05JACKSR 345 243318 05JACKSR 138 3
END
CONTINGENCY '1372_B3_05JOSHUA 765-1'

OPEN BRANCH FROM BUS 242515 TO BUS 242688 CKT 1 END	/ 242515 05JOSHUA 765 242688 05JOSHUA 138 1
CONTINGENCY '6377_B3_05JUG ST 345-5_WOMOAB'	
OPEN BRANCH FROM BUS 243456 TO BUS 243855 CKT 1	/ 243456 05CORRID 345 243855 05JUG ST 345 1
OPEN BRANCH FROM BUS 243855 TO BUS 243459 CKT 1	/ 243855 05JUG ST 345 243459 05KIRK 345 1
OPEN BRANCH FROM BUS 243855 TO BUS 243856 CKT 5 END	/ 243855 05JUG ST 345 243856 05JUG ST 138 5
CONTINGENCY '6376_B3_05JUG ST 345-5_MOAB'	
OPEN BRANCH FROM BUS 243855 TO BUS 243856 CKT 5 END	/ 243855 05JUG ST 345 243856 05JUG ST 138 5
CONTINGENCY '7636_B3_05KAMMER 345-1B'	
OPEN BRANCH FROM BUS 242937 TO BUS 243026 CKT 1B END	/ 242937 05KAMMER 345 243026 05KAMMR1 138 1B
CONTINGENCY '7634_B3_05KAMMER 345-2'	
OPEN BRANCH FROM BUS 242937 TO BUS 243026 CKT 2 END	/ 242937 05KAMMER 345 243026 05KAMMR1 138 2
CONTINGENCY '7705_B3_05KAMMER 345-3'	
OPEN BRANCH FROM BUS 242937 TO BUS 243026 CKT 3 END	/ 242937 05KAMMER 345 243026 05KAMMR1 138 3
CONTINGENCY '7633_B3_05KAMMER 345-4'	
OPEN BRANCH FROM BUS 242937 TO BUS 243026 CKT 4 END	/ 242937 05KAMMER 345 243026 05KAMMR1 138 4
CONTINGENCY '712_B3_05KAMMER 765-4'	
OPEN BRANCH FROM BUS 242925 TO BUS 242937 CKT 4 END	/ 242925 05KAMMER 765 242937 05KAMMER 345 4
CONTINGENCY '7664_B3_05KANAWH 345-A'	
OPEN BRANCH FROM BUS 242525 TO BUS 242689 CKT A END	/ 242525 05KANAWH 345 242689 05KANAWH 138 A
CONTINGENCY '7663_B3_05KANAWH 345-B'	
OPEN BRANCH FROM BUS 242525 TO BUS 242689 CKT B END	/ 242525 05KANAWH 345 242689 05KANAWH 138 B
CONTINGENCY '6232_B3_05KENZIE 345-1'	
OPEN BRANCH FROM BUS 243224 TO BUS 243322 CKT 1 END	/ 243224 05KENZIE 345 243322 05KENZIE 138 1
CONTINGENCY '718_B3_05KIRK 345-4'	
OPEN BRANCH FROM BUS 243459 TO BUS 243532 CKT 4 END	/ 243459 05KIRK 345 243532 05KIRK 138 4
CONTINGENCY '5086_B3_05M FUNK 345-1'	
OPEN BRANCH FROM BUS 242527 TO BUS 242708 CKT 1 END	/ 242527 05M FUNK 345 242708 05M FUNK 138 1
CONTINGENCY '1385_B3_05M FUNK 345-2'	
OPEN BRANCH FROM BUS 242527 TO BUS 242708 CKT 2 END	/ 242527 05M FUNK 345 242708 05M FUNK 138 2
CONTINGENCY '7223_B3_05MALIS 765-1_WOMOAB'	
OPEN BRANCH FROM BUS 242926 TO BUS 242928 CKT 1	/ 242926 05MALIS 765 242928 05MARYSV 765 1
OPEN BRANCH FROM BUS 242926 TO BUS 246751 CKT 1	/ 242926 05MALIS 765 246751 05VASSEL 765 1
OPEN BRANCH FROM BUS 242926 TO BUS 243538 CKT 1	/ 242926 05MALIS 765 243538 05MALISX 138 1
OPEN BRANCH FROM BUS 243537 TO BUS 243538 CKT SR	/ 243537 05MALIS 138 243538 05MALISX 138 SR
OPEN BRANCH FROM BUS 243537 TO BUS 243538 CKT ZB END	/ 243537 05MALIS 138 243538 05MALISX 138 ZB
CONTINGENCY '1268_B3_05MALIS 765-1_MOAB'	
OPEN BRANCH FROM BUS 242926 TO BUS 243538 CKT 1	/ 242926 05MALIS 765 243538 05MALISX 138 1
OPEN BRANCH FROM BUS 243537 TO BUS 243538 CKT SR	/ 243537 05MALIS 138 243538 05MALISX 138 SR
OPEN BRANCH FROM BUS 243537 TO BUS 243538 CKT ZB END	/ 243537 05MALIS 138 243538 05MALISX 138 ZB
CONTINGENCY '6104_B3_05MARQUI 345-2_MOAB'	
OPEN BRANCH FROM BUS 242938 TO BUS 243034 CKT 2 END	/ 242938 05MARQUI 345 243034 05MARQUI 138 2
CONTINGENCY '6105_B3_05MARQUI 345-3_MOAB'	
OPEN BRANCH FROM BUS 242938 TO BUS 243034 CKT 3 END	/ 242938 05MARQUI 345 243034 05MARQUI 138 3

CONTINGENCY '6120_B3_05MARQUI 765-1_MOAB'	
OPEN BRANCH FROM BUS 242927 TO BUS 242938 CKT 1	/ 242927 05MARQUI 765 242938 05MARQUI 345 1
END	
CONTINGENCY '8072_B3_05MARYSV 765-1_WOMOP'	
OPEN BRANCH FROM BUS 242928 TO BUS 242939 CKT 2	/ 242928 05MARYSV 765 242939 05MARYSV 345 2
END	
CONTINGENCY '8531_B3_05MERRIM 138-1'	
OPEN BRANCH FROM BUS 242715 TO BUS 244110 CKT 1	/ 242715 05MERRIM 138 244110 MERRIMAC 69.0 1
END	
CONTINGENCY '8532_B3_05MERRIM 138-2'	
OPEN BRANCH FROM BUS 242715 TO BUS 244110 CKT 2	/ 242715 05MERRIM 138 244110 MERRIMAC 69.0 2
END	
CONTINGENCY '6519_B3_05MLCS-1 345-1'	
OPEN BRANCH FROM BUS 246974 TO BUS 243879 CKT 1	/ 246974 05MLCS-1 345 243879 05MLCS-1 34.5 1
OPEN BRANCH FROM BUS 243879 TO BUS 246909 CKT 1	/ 243879 05MLCS-1 34.5 246909 05MDL-1G C 0.60 1
OPEN BRANCH FROM BUS 246909 TO BUS 247906 CKT 1	/ 246909 05MDL-1G C 0.60 247906 05MDL-1G E 0.60 1
REMOVE UNIT 1C FROM BUS 246909	/ 246909 05MDL-1G C 0.60
REMOVE UNIT 1E FROM BUS 247906	/ 247906 05MDL-1G E 0.60
END	
CONTINGENCY '6492_B3_05MLCS23 34.5-1'	
OPEN BRANCH FROM BUS 246975 TO BUS 243887 CKT 1	/ 246975 05MLCS23 345 243887 05MLCS23 34.5 1
OPEN BRANCH FROM BUS 243887 TO BUS 246910 CKT 1	/ 243887 05MLCS23 34.5 246910 05MDL-2G C 12.0 1
OPEN BRANCH FROM BUS 243887 TO BUS 246976 CKT 1	/ 243887 05MLCS23 34.5 246976 05MDL-3G C 0.69 1
OPEN BRANCH FROM BUS 246910 TO BUS 247907 CKT 1	/ 246910 05MDL-2G C 12.0 247907 05MDL-2G E 12.0 1
REMOVE UNIT 1C FROM BUS 246910	/ 246910 05MDL-2G C 12.0
REMOVE UNIT 1E FROM BUS 247907	/ 247907 05MDL-2G E 12.0
OPEN BRANCH FROM BUS 246976 TO BUS 247912 CKT 1	/ 246976 05MDL-3G C 0.69 247912 05MDL-3G E 0.69 1
REMOVE UNIT 1C FROM BUS 246976	/ 246976 05MDL-3G C 0.69
REMOVE UNIT 1E FROM BUS 247912	/ 247912 05MDL-3G E 0.69
END	
CONTINGENCY '7380_B3_05MLCS-4 345-1'	
OPEN BRANCH FROM BUS 246977 TO BUS 246978 CKT 1	/ 246977 05MLCS-4 345 246978 05MLCS-4 34.5 1
OPEN BRANCH FROM BUS 246978 TO BUS 246979 CKT 1	/ 246978 05MLCS-4 34.5 246979 05MDL-4G C 0.60 1
OPEN BRANCH FROM BUS 246979 TO BUS 247913 CKT 1	/ 246979 05MDL-4G C 0.60 247913 05MDL-4G E 0.60 1
REMOVE UNIT 1C FROM BUS 246979	/ 246979 05MDL-4G C 0.60
REMOVE UNIT 1E FROM BUS 247913	/ 247913 05MDL-4G E 0.60
END	
CONTINGENCY '8456_B3_05MOUNTN 765-1'	
OPEN BRANCH FROM BUS 242516 TO BUS 247183 CKT 1	/ 242516 05MOUNTN 765 247183 05MOUNTN 345 1
END	
CONTINGENCY '2761_B3_05MUSKNG 345-A'	
OPEN BRANCH FROM BUS 242940 TO BUS 243045 CKT D	/ 242940 05MUSKNG 345 243045 05MUSKNG 138 D
OPEN BRANCH FROM BUS 242940 TO BUS 243045 CKT E	/ 242940 05MUSKNG 345 243045 05MUSKNG 138 E
END	
CONTINGENCY '1267_B3_05NPROCT 765-1'	
OPEN BRANCH FROM BUS 242929 TO BUS 243064 CKT 1	/ 242929 05NPROCT 765 243064 05NPROCT 138 1
END	
CONTINGENCY '8168_B3_05OLIVE 345-2'	
OPEN BRANCH FROM BUS 243229 TO BUS 243353 CKT 2	/ 243229 05OLIVE 345 243353 05OLIVE 138 2
OPEN BRANCH FROM BUS 243882 TO BUS 243353 CKT 1	/ 243882 05LAPRT3 138 243353 05OLIVE 138 1
END	
CONTINGENCY '7467_B3_05ROB PK 345-5'	
OPEN BRANCH FROM BUS 243231 TO BUS 243366 CKT 5	/ 243231 05ROB PK 345 243366 05ROB PK 138 5
END	
CONTINGENCY '3235_B3_05ROBRT1 345-1'	
OPEN BRANCH FROM BUS 243461 TO BUS 243560 CKT 1	/ 243461 05ROBRT1 345 243560 05ROBERT 138 1
END	
CONTINGENCY '4756_B3_05ROBRT2 345-2'	
OPEN BRANCH FROM BUS 243460 TO BUS 243560 CKT 2	/ 243460 05ROBRT2 345 243560 05ROBERT 138 2
END	
CONTINGENCY '750_B3_05SCANTO 345-1'	

OPEN BRANCH FROM BUS 242943 TO BUS 243093 CKT 1 END	/ 242943 05SCANTO 345 243093 05SCANTW 138 1
CONTINGENCY '749_B3_05SCANTO 345-4'	
OPEN BRANCH FROM BUS 242943 TO BUS 243092 CKT 4 END	/ 242943 05SCANTO 345 243092 05SCANTE 138 4
CONTINGENCY '1281_B3_05SECANT 345-1'	
OPEN BRANCH FROM BUS 242944 TO BUS 243097 CKT 1 END	/ 242944 05SECANT 345 243097 05SECANT 138 1
CONTINGENCY '677_B3_05SORENS 345-1'	
OPEN BRANCH FROM BUS 243232 TO BUS 243377 CKT 1 END	/ 243232 05SORENS 345 243377 05SORENS 138 1
CONTINGENCY '7455_B3_05SORENS 345-2'	
OPEN BRANCH FROM BUS 243232 TO BUS 243377 CKT 2 END	/ 243232 05SORENS 345 243377 05SORENS 138 2
CONTINGENCY '7429_B3_05SORENS 765-3'	
OPEN BRANCH FROM BUS 246999 TO BUS 243232 CKT 1 END	/ 246999 05SORENS 765 243232 05SORENS 345 1
CONTINGENCY '1389_B3_05SPORN 345-3_WOMOAB'	
OPEN BRANCH FROM BUS 242528 TO BUS 242808 CKT 3 END	/ 242528 05SPORN 345 242808 05SPORNS 138 3
CONTINGENCY '6191_B3_05SPORN 345-4_MOAB'	
OPEN BRANCH FROM BUS 242528 TO BUS 242808 CKT 4 END	/ 242528 05SPORN 345 242808 05SPORNS 138 4
CONTINGENCY '4718_B3_05SPORN 345-B_MOAB'	
OPEN BRANCH FROM BUS 242528 TO BUS 242807 CKT B END	/ 242528 05SPORN 345 242807 05SPORN 138 B
CONTINGENCY '7495_B3_05STRWCS 138-12'	
OPEN BRANCH FROM BUS 246989 TO BUS 246990 CKT 1	/ 246989 05WLD CS 138 246990 05WLDCS1 34.5 1
OPEN BRANCH FROM BUS 246989 TO BUS 247254 CKT 2 END	/ 246989 05WLD CS 138 247254 05WLDCS2 34.5 2
CONTINGENCY '8770_B3_05STRWTN 138-1'	
OPEN BRANCH FROM BUS 246988 TO BUS 246989 CKT 1	/ 246988 05STRWTN 138 246989 05WLD CS 138 1
OPEN BRANCH FROM BUS 246988 TO BUS 247118 CKT 1	/ 246988 05STRWTN 138 247118 STRAWTON 34.5 1
OPEN BRANCH FROM BUS 245989 TO BUS 247118 CKT 1	/ 245989 OHIO OIL 34.5 247118 STRAWTON 34.5 1
OPEN BRANCH FROM BUS 245965 TO BUS 247118 CKT 1 END	/ 245965 S SUMTVL 34.5 247118 STRAWTON 34.5 1
CONTINGENCY '664_B3_05SULLVA 765-1'	
OPEN BRANCH FROM BUS 243210 TO BUS 247065 CKT 1	/ 243210 05SULLVA 765 247065 05SULVN1 345 1
OPEN BRANCH FROM BUS 243213 TO BUS 247065 CKT Z1 END	/ 243213 05BREED 345 247065 05SULVN1 345 Z1
CONTINGENCY '665_B3_05SULLVA 765-2'	
OPEN BRANCH FROM BUS 243210 TO BUS 247066 CKT 2	/ 243210 05SULLVA 765 247066 05SULVN2 345 2
OPEN BRANCH FROM BUS 243213 TO BUS 247066 CKT Z2 END	/ 243213 05BREED 345 247066 05SULVN2 345 Z2
CONTINGENCY '8697_B3_05SULLVA 765-3'	
OPEN BRANCH FROM BUS 243210 TO BUS 247158 CKT 3 END	/ 243210 05SULLVA 765 247158 05SULVN3 345 3
CONTINGENCY '8762_B3_05SUNDL2 138-'	
OPEN BRANCH FROM BUS 244529 TO BUS 242821 CKT 1	/ 244529 SUNDILEQ 999 242821 05SUNDL2 138 1
OPEN BRANCH FROM BUS 244529 TO BUS 244528 CKT 1	/ 244529 SUNDILEQ 999 244528 SUNDIAL 69.0 1
OPEN BRANCH FROM BUS 244529 TO BUS 244448 CKT 1	/ 244529 SUNDILEQ 999 244448 SUNDIAL 46.0 1
OPEN BRANCH FROM BUS 242696 TO BUS 242821 CKT 1	/ 242696 05KOPPER 138 242821 05SUNDL2 138 1
OPEN BRANCH FROM BUS 242821 TO BUS 242828 CKT 1 END	/ 242821 05SUNDL2 138 242828 05TENMIL 138 1
CONTINGENCY '8349_B3_05SW LIM 345-1'	
OPEN BRANCH FROM BUS 242945 TO BUS 243122 CKT 1 END	/ 242945 05SW LIM 345 243122 05SW LIM 138 1
CONTINGENCY '8350_B3_05SW LIM 345-2'	
OPEN BRANCH FROM BUS 242945 TO BUS 243122 CKT 2 END	/ 242945 05SW LIM 345 243122 05SW LIM 138 2
CONTINGENCY '2758_B3_05TIDD 345-B'	

OPEN BRANCH FROM BUS 242946 TO BUS 243128 CKT B END	/ 242946 05TIDD 345 243128 05TIDD B 138 B
CONTINGENCY '2759_B3_05TIDD 345-C'	
OPEN BRANCH FROM BUS 242946 TO BUS 243129 CKT C	/ 242946 05TIDD 345 243129 05TIDD X 138 C
OPEN BRANCH FROM BUS 243127 TO BUS 243129 CKT SR	/ 243127 05TIDD 138 243129 05TIDD X 138 SR
OPEN BRANCH FROM BUS 243127 TO BUS 243129 CKT ZB END	/ 243127 05TIDD 138 243129 05TIDD X 138 ZB
CONTINGENCY '1233_B3_05TRISTA 345-1_MOAB'	
OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 1 END	/ 242529 05TRISTA 345 242835 05TRISTA 138 1
CONTINGENCY '1234_B3_05TRISTA 345-2_MOAB'	
OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 2 END	/ 242529 05TRISTA 345 242835 05TRISTA 138 2
CONTINGENCY '5116_B3_05TRISTA 345-3_MOAB'	
OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 3 END	/ 242529 05TRISTA 345 242835 05TRISTA 138 3
CONTINGENCY '679_B3_05TWIN B 345-7'	
OPEN BRANCH FROM BUS 243234 TO BUS 243385 CKT 6	/ 243234 05TWIN B 345 243385 05TWIN B 138 6
OPEN BRANCH FROM BUS 243234 TO BUS 243385 CKT 7 END	/ 243234 05TWIN B 345 243385 05TWIN B 138 7
CONTINGENCY '8795_B3_05VALLY 138-1'	
OPEN BRANCH FROM BUS 243204 TO BUS 243386 CKT 1	/ 243204 VALLEYEQ 999 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243204 TO BUS 246551 CKT 1	/ 243204 VALLEYEQ 999 246551 VALLEY 69.0 1
OPEN BRANCH FROM BUS 243204 TO BUS 246550 CKT 1	/ 243204 VALLEYEQ 999 246550 VALLEY 34.5 1
OPEN BRANCH FROM BUS 243261 TO BUS 243386 CKT 1	/ 243261 05COLBY 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243307 TO BUS 243386 CKT 1	/ 243307 05HARTFO 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 247329 TO BUS 243386 CKT 1	/ 247329 05STINGER 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243386 TO BUS 247547 CKT Z1	/ 243386 05VALLY 138 247547 V4-016 C 138 Z1
OPEN BRANCH FROM BUS 247547 TO BUS 247939 CKT 1	/ 247547 V4-016 C 138 247939 V4-016 E 138 1
REMOVE UNIT 1C FROM BUS 247547	/ 247547 V4-016 C 138
REMOVE UNIT 1E FROM BUS 247939	/ 247939 V4-016 E 138
OPEN BRANCH FROM BUS 246509 TO BUS 246551 CKT 1 END	/ 246509 CAMERON 69.0 246551 VALLEY 69.0 1
CONTINGENCY '7219_B3_05VASSEL 345-1'	
OPEN BRANCH FROM BUS 246752 TO BUS 246753 CKT 1 END	/ 246752 05VASSEL 345 246753 05VASSEL 138 1
CONTINGENCY '7218_B3_05VASSEL 765-1'	
OPEN BRANCH FROM BUS 246751 TO BUS 246752 CKT 1 END	/ 246751 05VASSEL 765 246752 05VASSEL 345 1
CONTINGENCY '1282_B3_05WBELLA 345-1'	
OPEN BRANCH FROM BUS 242948 TO BUS 243143 CKT 1 END	/ 242948 05WBELLA 345 243143 05WBELLA 138 1
CONTINGENCY '8714_B3_05WHEBRO 138-1'	
OPEN BRANCH FROM BUS 245528 TO BUS 243146 CKT 1	/ 245528 WHEBRNEQ 999 243146 05WHEBRO 138 1
OPEN BRANCH FROM BUS 245528 TO BUS 245527 CKT 1	/ 245528 WHEBRNEQ 999 245527 W HEBRON 69.0 1
OPEN BRANCH FROM BUS 245528 TO BUS 245526 CKT 1	/ 245528 WHEBRNEQ 999 245526 W HEBRON 34.5 1
OPEN BRANCH FROM BUS 246956 TO BUS 245527 CKT 1 END	/ 246956 S.FORKSS 69.0 245527 W HEBRON 69.0 1
CONTINGENCY '1283_B3_05WMILLP 345-1'	
OPEN BRANCH FROM BUS 242949 TO BUS 243150 CKT 1 END	/ 242949 05WMILLP 345 243150 05WMILLP 138 1
CONTINGENCY '2753_B3_05WMILLP 345-2'	
OPEN BRANCH FROM BUS 242949 TO BUS 243150 CKT 2 END	/ 242949 05WMILLP 345 243150 05WMILLP 138 2
CONTINGENCY '7535_B3_05WYOMIN 765-1'	
OPEN BRANCH FROM BUS 242517 TO BUS 242856 CKT 1	/ 242517 05WYOMIN 765 242856 05WYOMX1 138 1
OPEN BRANCH FROM BUS 242855 TO BUS 242856 CKT SR	/ 242855 05WYOMIN 138 242856 05WYOMX1 138 SR
OPEN BRANCH FROM BUS 242855 TO BUS 242856 CKT ZB END	/ 242855 05WYOMIN 138 242856 05WYOMX1 138 ZB
CONTINGENCY '7536_B3_05WYOMIN 765-2'	
OPEN BRANCH FROM BUS 242517 TO BUS 242857 CKT 2	/ 242517 05WYOMIN 765 242857 05WYOMX2 138 2

OPEN BRANCH FROM BUS 242855 TO BUS 242857 CKT SR	/ 242855 05WYOMIN 138 242857 05WYOMX2 138 SR
OPEN BRANCH FROM BUS 242855 TO BUS 242857 CKT ZB	/ 242855 05WYOMIN 138 242857 05WYOMX2 138 ZB
END	
CONTINGENCY '8752_B3_APPLEGRV 69.0-T2'	
OPEN BRANCH FROM BUS 244752 TO BUS 242540 CKT 1	/ 244752 APPLGREQ 999 242540 05APPLE1 138 1
OPEN BRANCH FROM BUS 244752 TO BUS 244751 CKT 1	/ 244752 APPLGREQ 999 244751 APPLEGRV 69.0 1
OPEN BRANCH FROM BUS 244752 TO BUS 244750 CKT 1	/ 244752 APPLGREQ 999 244750 APPLEGRV 12.0 1
OPEN BRANCH FROM BUS 242540 TO BUS 243095 CKT 1	/ 242540 05APPLE1 138 243095 05SCTWN8 138 1
OPEN BRANCH FROM BUS 242540 TO BUS 244769 CKT Z1	/ 242540 05APPLE1 138 244769 SHELL-L1 12.0 Z1
END	
CONTINGENCY '8758_B3_BECCO 46.0-T1'	
OPEN BRANCH FROM BUS 244471 TO BUS 244478 CKT 1	/ 244471 BECCO 46.0 244478 BRAEHOLM 46.0 1
OPEN BRANCH FROM BUS 244471 TO BUS 244481 CKT 1	/ 244471 BECCO 46.0 244481 LATROBE 46.0 1
OPEN BRANCH FROM BUS 244471 TO BUS 244517 CKT 1	/ 244471 BECCO 46.0 244517 SLAGLE 46.0 1
END	
CONTINGENCY '8756_B3_SKINFORK 46.0-T1'	
OPEN BRANCH FROM BUS 244460 TO BUS 244516 CKT 1	/ 244460 DRYBRANC 46.0 244516 SKINFORK 46.0 1
OPEN BRANCH FROM BUS 244404 TO BUS 244516 CKT 1	/ 244404 FARLEYBR 46.0 244516 SKINFORK 46.0 1
OPEN BRANCH FROM BUS 244513 TO BUS 244516 CKT 1	/ 244513 ROCKLKBR 46.0 244516 SKINFORK 46.0 1
OPEN BRANCH FROM BUS 244516 TO BUS 244526 CKT 1	/ 244516 SKINFORK 46.0 244526 THREEFRK 46.0 1
END	
CONTINGENCY '242570 05BUCHAN 138'	
REMOVE MACHINE 1 FROM BUS 242570	// PMAX=40.0 MW / PGEN=38.7 MW
REMOVE MACHINE 2 FROM BUS 242570	// PMAX=40.0 MW / PGEN=38.7 MW
END	
CONTINGENCY '242659 05GRNGST 138'	
REMOVE MACHINE 1 FROM BUS 242659	// PMAX=50.0 MW / PGEN=48.4 MW
REMOVE MACHINE 2 FROM BUS 242659	// PMAX=50.0 MW / PGEN=48.4 MW
REMOVE MACHINE 3 FROM BUS 242659	// PMAX=50.0 MW / PGEN=48.4 MW
REMOVE MACHINE 4 FROM BUS 242659	// PMAX=50.0 MW / PGEN=48.4 MW
REMOVE MACHINE 5 FROM BUS 242659	// PMAX=50.0 MW / PGEN=48.4 MW
REMOVE MACHINE 6 FROM BUS 242659	// PMAX=50.0 MW / PGEN=48.4 MW
END	
CONTINGENCY '242838 05TWELVE 138'	
REMOVE MACHINE 1 FROM BUS 242838	// PMAX=76.4 MW / PGEN=73.9 MW
REMOVE MACHINE 2 FROM BUS 242838	// PMAX=76.0 MW / PGEN=73.5 MW
REMOVE MACHINE 3 FROM BUS 242838	// PMAX=76.0 MW / PGEN=73.5 MW
REMOVE MACHINE 4 FROM BUS 242838	// PMAX=76.0 MW / PGEN=73.5 MW
REMOVE MACHINE 5 FROM BUS 242838	// PMAX=76.0 MW / PGEN=73.5 MW
REMOVE MACHINE 6 FROM BUS 242838	// PMAX=76.0 MW / PGEN=73.5 MW
END	
CONTINGENCY '242850 05WOLFH1 138'	
REMOVE MACHINE 3 FROM BUS 242850	// PMAX=49.0 MW / PGEN=47.4 MW
REMOVE MACHINE 4 FROM BUS 242850	// PMAX=49.0 MW / PGEN=47.4 MW
REMOVE MACHINE 5 FROM BUS 242850	// PMAX=49.0 MW / PGEN=47.4 MW
END	
CONTINGENCY '242851 05WOLFH2 138'	
REMOVE MACHINE 1 FROM BUS 242851	// PMAX=49.0 MW / PGEN=47.4 MW
REMOVE MACHINE 2 FROM BUS 242851	// PMAX=49.0 MW / PGEN=47.4 MW
END	
CONTINGENCY '242889 REUSENS 34.5'	
REMOVE MACHINE 1 FROM BUS 242889	// PMAX=6.0 MW / PGEN=5.8 MW
END	
CONTINGENCY '242891 05AMG1 26'	
REMOVE MACHINE 1 FROM BUS 242891	// PMAX=800.0 MW / PGEN=774.1 MW
END	
CONTINGENCY '242892 05AMG2 26'	
REMOVE MACHINE 2 FROM BUS 242892	// PMAX=800.0 MW / PGEN=774.1 MW
END	
CONTINGENCY '242893 05AMG3 26'	
REMOVE MACHINE 3H FROM BUS 242893	// PMAX=656.0 MW / PGEN=634.7 MW

REMOVE MACHINE 3L FROM BUS 242893	// PMAX=644.0 MW / PGEN=623.1 MW
END	
CONTINGENCY '242894 05MTG1 26'	
REMOVE MACHINE 1H FROM BUS 242894	// PMAX=673.2 MW / PGEN=651.4 MW
REMOVE MACHINE 1L FROM BUS 242894	// PMAX=646.8 MW / PGEN=625.8 MW
END	
CONTINGENCY '242900 05CRG1L 15.5'	
REMOVE MACHINE 1H FROM BUS 242900	// PMAX=126.0 MW / PGEN=121.9 MW
REMOVE MACHINE 1L FROM BUS 242900	// PMAX=104.0 MW / PGEN=100.6 MW
END	
CONTINGENCY '242902 05CRG2L 15.5'	
REMOVE MACHINE 2H FROM BUS 242902	// PMAX=126.0 MW / PGEN=121.9 MW
REMOVE MACHINE 2L FROM BUS 242902	// PMAX=104.0 MW / PGEN=100.6 MW
END	
CONTINGENCY '242922 05FTLCK 765'	
REMOVE MACHINE 1 FROM BUS 242922	// PMAX=167.0 MW / PGEN=161.6 MW
REMOVE MACHINE 2 FROM BUS 242922	// PMAX=167.1 MW / PGEN=161.7 MW
REMOVE MACHINE 3 FROM BUS 242922	// PMAX=167.0 MW / PGEN=161.6 MW
REMOVE MACHINE 4 FROM BUS 242922	// PMAX=167.0 MW / PGEN=161.6 MW
REMOVE MACHINE 5 FROM BUS 242922	// PMAX=167.3 MW / PGEN=161.9 MW
END	
CONTINGENCY '242931 05BEVERL 345'	
REMOVE MACHINE 1A FROM BUS 242931	// PMAX=181.0 MW / PGEN=175.1 MW
REMOVE MACHINE 1B FROM BUS 242931	// PMAX=181.0 MW / PGEN=175.1 MW
REMOVE MACHINE 1S FROM BUS 242931	// PMAX=258.0 MW / PGEN=249.6 MW
END	
CONTINGENCY '242933 05RPMONE 345'	
REMOVE MACHINE 1 FROM BUS 242933	// PMAX=151.1 MW / PGEN=146.2 MW
REMOVE MACHINE 2 FROM BUS 242933	// PMAX=151.0 MW / PGEN=146.1 MW
REMOVE MACHINE 3 FROM BUS 242933	// PMAX=151.0 MW / PGEN=146.1 MW
END	
CONTINGENCY '242934 05CORN 345'	
REMOVE MACHINE 1A FROM BUS 242934	// PMAX=178.0 MW / PGEN=172.2 MW
REMOVE MACHINE 1B FROM BUS 242934	// PMAX=178.0 MW / PGEN=172.2 MW
REMOVE MACHINE 1S FROM BUS 242934	// PMAX=264.0 MW / PGEN=255.4 MW
REMOVE MACHINE 2A FROM BUS 242934	// PMAX=178.0 MW / PGEN=172.2 MW
REMOVE MACHINE 2B FROM BUS 242934	// PMAX=178.0 MW / PGEN=172.2 MW
REMOVE MACHINE 2S FROM BUS 242934	// PMAX=264.0 MW / PGEN=255.4 MW
END	
CONTINGENCY '242947 05WATERF 345'	
REMOVE MACHINE 1A FROM BUS 242947	// PMAX=160.0 MW / PGEN=154.8 MW
REMOVE MACHINE 1B FROM BUS 242947	// PMAX=160.0 MW / PGEN=154.8 MW
REMOVE MACHINE 1C FROM BUS 242947	// PMAX=160.0 MW / PGEN=154.8 MW
REMOVE MACHINE 1S FROM BUS 242947	// PMAX=370.0 MW / PGEN=358.0 MW
END	
CONTINGENCY '243185 05CDG3 26'	
REMOVE MACHINE 3 FROM BUS 243185	// PMAX=630.0 MW / PGEN=609.6 MW
END	
CONTINGENCY '243186 05GVG1 26'	
REMOVE MACHINE 1H FROM BUS 243186	// PMAX=667.0 MW / PGEN=645.4 MW
REMOVE MACHINE 1L FROM BUS 243186	// PMAX=653.0 MW / PGEN=631.8 MW
END	
CONTINGENCY '243187 05GVG2 26'	
REMOVE MACHINE 2H FROM BUS 243187	// PMAX=667.0 MW / PGEN=645.4 MW
REMOVE MACHINE 2L FROM BUS 243187	// PMAX=653.0 MW / PGEN=631.8 MW
END	
CONTINGENCY '243188 05MLG1 26'	
REMOVE MACHINE 1 FROM BUS 243188	// PMAX=770.1 MW / PGEN=745.1 MW
END	
CONTINGENCY '243189 05MLG2 26'	
REMOVE MACHINE 2 FROM BUS 243189	// PMAX=791.4 MW / PGEN=765.8 MW

END	
CONTINGENCY '243190 05CDG1 24'	
REMOVE MACHINE 1 FROM BUS 243190	// PMAx=585.0 MW / PGEN=566.0 MW
END	
CONTINGENCY '243191 05CDG2 24'	
REMOVE MACHINE 2 FROM BUS 243191	// PMAx=585.0 MW / PGEN=566.0 MW
END	
CONTINGENCY '243225 05KEYSTN 345'	
REMOVE MACHINE 1 FROM BUS 243225	// PMAx=59.5 MW / PGEN=57.6 MW
REMOVE MACHINE 2 FROM BUS 243225	// PMAx=59.5 MW / PGEN=57.6 MW
REMOVE MACHINE 3 FROM BUS 243225	// PMAx=59.5 MW / PGEN=57.6 MW
REMOVE MACHINE 4 FROM BUS 243225	// PMAx=59.5 MW / PGEN=57.6 MW
END	
CONTINGENCY '243226 05LAWBG1 345'	
REMOVE MACHINE 1A FROM BUS 243226	// PMAx=159.0 MW / PGEN=153.8 MW
REMOVE MACHINE 1B FROM BUS 243226	// PMAx=159.0 MW / PGEN=153.8 MW
REMOVE MACHINE 1S FROM BUS 243226	// PMAx=254.0 MW / PGEN=245.8 MW
END	
CONTINGENCY '243227 05LAWBG2 345'	
REMOVE MACHINE 2A FROM BUS 243227	// PMAx=159.0 MW / PGEN=153.8 MW
REMOVE MACHINE 2B FROM BUS 243227	// PMAx=159.0 MW / PGEN=153.8 MW
REMOVE MACHINE 2S FROM BUS 243227	// PMAx=254.0 MW / PGEN=245.8 MW
END	
CONTINGENCY '243415 05WWVSTA 69'	
REMOVE MACHINE 1 FROM BUS 243415	// PMAx=33.0 MW / PGEN=31.9 MW
REMOVE MACHINE 2 FROM BUS 243415	// PMAx=63.0 MW / PGEN=61.0 MW
END	
CONTINGENCY '243440 05CKG1 26'	
REMOVE MACHINE 1 FROM BUS 243440	// PMAx=1020.2 MW / PGEN=987.1 MW
END	
CONTINGENCY '243441 05CKG2 26'	
REMOVE MACHINE 2 FROM BUS 243441	// PMAx=1065.0 MW / PGEN=1030.5 MW
END	
CONTINGENCY '243442 05RKG1 26'	
REMOVE MACHINE 1H FROM BUS 243442	// PMAx=666.0 MW / PGEN=644.4 MW
REMOVE MACHINE 1L FROM BUS 243442	// PMAx=654.0 MW / PGEN=632.8 MW
END	
CONTINGENCY '243443 05RKG2 26'	
REMOVE MACHINE 2H FROM BUS 243443	// PMAx=656.0 MW / PGEN=634.7 MW
REMOVE MACHINE 2L FROM BUS 243443	// PMAx=644.0 MW / PGEN=623.1 MW
END	
CONTINGENCY '243622 05CVG4 26'	
REMOVE MACHINE 4 FROM BUS 243622	// PMAx=780.0 MW / PGEN=754.7 MW
END	
CONTINGENCY '243623 05CVG5 24'	
REMOVE MACHINE 5 FROM BUS 243623	// PMAx=400.0 MW / PGEN=387.0 MW
END	
CONTINGENCY '243624 05CVG6 24'	
REMOVE MACHINE 6 FROM BUS 243624	// PMAx=400.0 MW / PGEN=387.0 MW
END	
CONTINGENCY '243764 05BSG1 22'	
REMOVE MACHINE 1 FROM BUS 243764	// PMAx=280.0 MW / PGEN=270.9 MW
END	
CONTINGENCY '243859 05FR-11G C 0.60'	
REMOVE MACHINE 1C FROM BUS 243859	// PMAx=19.6 MW / PGEN=19.0 MW
END	
CONTINGENCY '243862 05FR-12G C 0.60'	
REMOVE MACHINE 1C FROM BUS 243862	// PMAx=19.3 MW / PGEN=18.7 MW
END	
CONTINGENCY '243864 05FR-21G C 0.60'	
REMOVE MACHINE 1C FROM BUS 243864	// PMAx=20.6 MW / PGEN=19.9 MW

END	
CONTINGENCY '243866 05FR-22G C 0.69'	
REMOVE MACHINE 1C FROM BUS 243866	// PMAX=19.7 MW / PGEN=19.1 MW
END	
CONTINGENCY '243870 05FR-3G C 0.69'	
REMOVE MACHINE 1C FROM BUS 243870	// PMAX=39.9 MW / PGEN=38.6 MW
END	
CONTINGENCY '243873 05FR-4G C 0.69'	
REMOVE MACHINE 1C FROM BUS 243873	// PMAX=30.9 MW / PGEN=29.9 MW
END	
CONTINGENCY '244160 BYLLESBY 13'	
REMOVE MACHINE 1 FROM BUS 244160	// PMAX=24.0 MW / PGEN=23.2 MW
END	
CONTINGENCY '244467 SUMMERVL 69'	
REMOVE MACHINE 1 FROM BUS 244467	// PMAX=34.2 MW / PGEN=33.0 MW
END	
CONTINGENCY '244761 RACINE 69'	
REMOVE MACHINE 1 FROM BUS 244761	// PMAX=44.0 MW / PGEN=42.6 MW
END	
CONTINGENCY '244861 MARMETHY 4.00'	
REMOVE MACHINE 1 FROM BUS 244861	// PMAX=18.0 MW / PGEN=17.4 MW
END	
CONTINGENCY '244873 WINFIELD 69'	
REMOVE MACHINE 1 FROM BUS 244873	// PMAX=18.0 MW / PGEN=17.4 MW
END	
CONTINGENCY '244891 LONDONHY 46'	
REMOVE MACHINE 1 FROM BUS 244891	// PMAX=18.0 MW / PGEN=17.4 MW
END	
CONTINGENCY '245417 SOMRSET8 69'	
REMOVE MACHINE 1 FROM BUS 245417	// PMAX=6.4 MW / PGEN=6.2 MW
END	
CONTINGENCY '246416 TWBRANCH 34.5'	
REMOVE MACHINE 1 FROM BUS 246416	// PMAX=4.8 MW / PGEN=4.6 MW
END	
CONTINGENCY '246427 BERRIENS 34.5'	
REMOVE MACHINE 1 FROM BUS 246427	// PMAX=7.2 MW / PGEN=7.0 MW
END	
CONTINGENCY '246770 05DRES DN 138'	
REMOVE MACHINE 1A FROM BUS 246770	// PMAX=174.0 MW / PGEN=168.4 MW
REMOVE MACHINE 1B FROM BUS 246770	// PMAX=174.0 MW / PGEN=168.4 MW
REMOVE MACHINE 1S FROM BUS 246770	// PMAX=232.0 MW / PGEN=224.5 MW
END	
CONTINGENCY '246843 05SMG1 13.8'	
REMOVE MACHINE 1 FROM BUS 246843	// PMAX=68.0 MW / PGEN=65.8 MW
END	
CONTINGENCY '246844 05SMG2 13.8'	
REMOVE MACHINE 2 FROM BUS 246844	// PMAX=179.0 MW / PGEN=173.2 MW
END	
CONTINGENCY '246845 05SMG3 13.8'	
REMOVE MACHINE 3 FROM BUS 246845	// PMAX=105.0 MW / PGEN=101.6 MW
END	
CONTINGENCY '246846 05SMG4 13.8'	
REMOVE MACHINE 4 FROM BUS 246846	// PMAX=185.0 MW / PGEN=179.0 MW
END	
CONTINGENCY '246847 05SMG5 13.8'	
REMOVE MACHINE 5 FROM BUS 246847	// PMAX=70.0 MW / PGEN=67.7 MW
END	
CONTINGENCY '246895 05VACITY 23'	
REMOVE MACHINE 1 FROM BUS 246895	// PMAX=614.0 MW / PGEN=594.1 MW
END	
CONTINGENCY '246909 05MDL-1G C 0.60'	

REMOVE MACHINE 1C FROM BUS 246909	// PMAX=40.0 MW / PGEN=38.7 MW
END	
CONTINGENCY '246910 05MDL-2G C 12'	
REMOVE MACHINE 1C FROM BUS 246910	// PMAX=40.0 MW / PGEN=38.7 MW
END	
CONTINGENCY '246936 05BLCK-1 C 0.60'	
REMOVE MACHINE 1C FROM BUS 246936	// PMAX=23.2 MW / PGEN=22.4 MW
END	
CONTINGENCY '246937 05BLCK-2 C 0.60'	
REMOVE MACHINE 1C FROM BUS 246937	// PMAX=23.2 MW / PGEN=22.4 MW
END	
CONTINGENCY '246938 05BLCK-3 C 0.60'	
REMOVE MACHINE 1C FROM BUS 246938	// PMAX=23.4 MW / PGEN=22.6 MW
END	
CONTINGENCY '246976 05MDL-3G C 0.69'	
REMOVE MACHINE 1C FROM BUS 246976	// PMAX=20.0 MW / PGEN=19.4 MW
END	
CONTINGENCY '246991 05STRW G C 0.69'	
REMOVE MACHINE 1C FROM BUS 246991	// PMAX=26.0 MW / PGEN=25.2 MW
END	
CONTINGENCY '247506 U2-041 C 345'	
REMOVE MACHINE 1C FROM BUS 247506	// PMAX=39.0 MW / PGEN=37.7 MW
END	
CONTINGENCY '247534 R-048 C 69'	
REMOVE MACHINE 1C FROM BUS 247534	// PMAX=9.6 MW / PGEN=9.3 MW
END	
CONTINGENCY '247535 R-076 138'	
REMOVE MACHINE 1 FROM BUS 247535	// PMAX=100.0 MW / PGEN=96.8 MW
END	
CONTINGENCY '247537 S-072 C 345'	
REMOVE MACHINE 1C FROM BUS 247537	// PMAX=60.0 MW / PGEN=58.1 MW
END	
CONTINGENCY '247604 X1-042 12'	
REMOVE MACHINE 1 FROM BUS 247604	// PMAX=3.2 MW / PGEN=3.1 MW
END	
CONTINGENCY '294740 P44 138'	
REMOVE MACHINE 1 FROM BUS 294740	// PMAX=7.0 MW / PGEN=6.8 MW
END	
CONTINGENCY '270000 20FOOTHL 345'	
REMOVE MACHINE 1 FROM BUS 270000	// PMAX=170.5 MW / PGEN=165.0 MW
REMOVE MACHINE 2 FROM BUS 270000	// PMAX=170.5 MW / PGEN=165.0 MW
END	
CONTINGENCY '270001 20ZELDA 345'	
REMOVE MACHINE 1 FROM BUS 270001	// PMAX=171.0 MW / PGEN=165.5 MW
REMOVE MACHINE 2 FROM BUS 270001	// PMAX=171.0 MW / PGEN=165.5 MW
REMOVE MACHINE 3 FROM BUS 270001	// PMAX=171.0 MW / PGEN=165.5 MW
END	
CONTINGENCY '05RICHCT'	
REMOVE MACHINE 1 FROM BUS 243407	
END	
CONTINGENCY '05RICHCT2'	
REMOVE MACHINE 2 FROM BUS 243407	
END	
CONTINGENCY 'Y1-049'	
REMOVE MACHINE 1 FROM BUS 913213	
END	
CONTINGENCY 'V2-006 C-05E.LPSC'	
DISCONNECT BRANCH FROM BUS 893021 TO BUS 242993 CKT 1	
END	
CONTINGENCY 'V2-006 C-V2-006 E'	
DISCONNECT BRANCH FROM BUS 893021 TO BUS 893022 CKT 1	

END
CONTINGENCY 'W3-128 TAP-W3-128'
DISCONNECT BRANCH FROM BUS 903780 TO BUS 903781 CKT 1
END
CONTINGENCY '05SALTV1-05SALTV2'
DISCONNECT BRANCH FROM BUS 242788 TO BUS 242789 CKT Z1
END
CONTINGENCY '05ROB PK-05ALLEN'
DISCONNECT BRANCH FROM BUS 243231 TO BUS 243211 CKT 2
END
CONTINGENCY 'HLSTN1EQ-05HOLST2'
DISCONNECT BRANCH FROM BUS 244193 TO BUS 242670 CKT 1
END
CONTINGENCY 'HLSTN5EQ-05HOLST1'
DISCONNECT BRANCH FROM BUS 244194 TO BUS 242669 CKT 1
END
CONTINGENCY 'JIMBREQ-05J.BRAN'
DISCONNECT BRANCH FROM BUS 244352 TO BUS 242682 CKT 1
END
CONTINGENCY 'PEMBREQ-05PEMBRT'
DISCONNECT BRANCH FROM BUS 244438 TO BUS 242747 CKT 1
END
CONTINGENCY 'TAMSMTEQ-05TAMSM1'
DISCONNECT BRANCH FROM BUS 244451 TO BUS 242824 CKT 1
END
CONTINGENCY '05TEBERN-05SUMMER'
DISCONNECT BRANCH FROM BUS 245023 TO BUS 243118 CKT 1
END
CONTINGENCY 'STEUB EQ-05STEUBN'
DISCONNECT BRANCH FROM BUS 245074 TO BUS 243109 CKT 1
END
CONTINGENCY 'NEWLIBEQ-05NEWLIB'
DISCONNECT BRANCH FROM BUS 245808 TO BUS 243057 CKT 4
END
CONTINGENCY 'STERLNEQ-05STRLN1'
DISCONNECT BRANCH FROM BUS 245850 TO BUS 243108 CKT 1
END
CONTINGENCY 'RANDOLEQ-05RANDOL'
DISCONNECT BRANCH FROM BUS 246086 TO BUS 243362 CKT 1
END
CONTINGENCY 'WALLENEQ-05WALLEN'
DISCONNECT BRANCH FROM BUS 246116 TO BUS 243389 CKT 2
END
CONTINGENCY 'Y1-006 E-Y1-006 C'
DISCONNECT BRANCH FROM BUS 913032 TO BUS 913031 CKT 1
END
CONTINGENCY 'RIVER5EQ-05RIVRS'D'
DISCONNECT BRANCH FROM BUS 246485 TO BUS 243365 CKT 1
END
CONTINGENCY 'BEXLYEQ2-05BEXLEY'
DISCONNECT BRANCH FROM BUS 246695 TO BUS 243472 CKT 1
END
CONTINGENCY '05SELWDZ-05SELWOO'
DISCONNECT BRANCH FROM BUS 246771 TO BUS 243374 CKT 1
END
CONTINGENCY 'X2-052 TAP-X2-052'
DISCONNECT BRANCH FROM BUS 909144 TO BUS 909145 CKT 1
END
CONTINGENCY '05PINNCK-05TRAILF'
DISCONNECT BRANCH FROM BUS 247048 TO BUS 242833 CKT Z1
END

```
CONTINGENCY '05HARIS8-05HARRIS'
  DISCONNECT BRANCH FROM BUS 247233 TO BUS 243522 CKT 1
END
CONTINGENCY 'Y2-067 E-05CLNCHR'
  DISCONNECT BRANCH FROM BUS 914192 TO BUS 242605 CKT 1
END
CONTINGENCY 'Y1-006 TAP-Y1-006 C'
  DISCONNECT BRANCH FROM BUS 913030 TO BUS 913031 CKT 1
END
CONTINGENCY 'X3-051-05FLTCLK'
  DISCONNECT BRANCH FROM BUS 910701 TO BUS 242922 CKT 1
END
CONTINGENCY 'CLAYTREQ-05CLYTR2'
  DISCONNECT BRANCH FROM BUS 244132 TO BUS 242609 CKT 1
END
CONTINGENCY 'V1-011-05HAVILN'
  DISCONNECT BRANCH FROM BUS 892023 TO BUS 243017 CKT 1
END
CONTINGENCY 'V1-012-05HAVILN'
  DISCONNECT BRANCH FROM BUS 892033 TO BUS 243017 CKT 1
END
CONTINGENCY '05CRG3EQ-05CLNCHR'
  DISCONNECT BRANCH FROM BUS 242503 TO BUS 242605 CKT 3
END
CONTINGENCY 'ELYNCHQ-05E.LYNC'
  DISCONNECT BRANCH FROM BUS 242504 TO BUS 242627 CKT 1
END
CONTINGENCY 'PEAKS EQ-05PEAKVI'
  DISCONNECT BRANCH FROM BUS 242506 TO BUS 242746 CKT 1
END
CONTINGENCY '05KANAWH-05KANAWZ'
  DISCONNECT BRANCH FROM BUS 242525 TO BUS 242526 CKT 10
END
CONTINGENCY '05KANAWH-05KANAWZA'
  DISCONNECT BRANCH FROM BUS 242525 TO BUS 242526 CKT 20
END
CONTINGENCY '05KANAWH-05KANAWZB'
  DISCONNECT BRANCH FROM BUS 242525 TO BUS 242526 CKT 30
END
CONTINGENCY '05KANAWH-05KANAWZCD'
  DISCONNECT BRANCH FROM BUS 242525 TO BUS 242526 CKT 40
END
CONTINGENCY '05KANAWH-05KANAWZD_50'
  DISCONNECT BRANCH FROM BUS 242525 TO BUS 242526 CKT 50
END
CONTINGENCY '05KANAWH-05KANAWZD_60'
  DISCONNECT BRANCH FROM BUS 242525 TO BUS 242526 CKT 60
END
CONTINGENCY '05SPORN-05MOUNTN'
  DISCONNECT BRANCH FROM BUS 242528 TO BUS 247183 CKT Z1
END
CONTINGENCY '05APPLE1-05APPLE2'
  DISCONNECT BRANCH FROM BUS 242540 TO BUS 242541 CKT Z1
END
CONTINGENCY '05BAILS1-05BAILS2'
  DISCONNECT BRANCH FROM BUS 242546 TO BUS 242547 CKT 1
END
CONTINGENCY '05BRADL1-BRDLEYEQ'
  DISCONNECT BRANCH FROM BUS 242564 TO BUS 244877 CKT 1
END
CONTINGENCY '05CABINC-05CHESTR'
```

DISCONNECT BRANCH FROM BUS 242574 TO BUS 242596 CKT 1
END
CONTINGENCY '05CABINC-CABNC8EQ'
DISCONNECT BRANCH FROM BUS 242574 TO BUS 244839 CKT 1
END
CONTINGENCY '05CABINC-CABNC9EQ'
DISCONNECT BRANCH FROM BUS 242574 TO BUS 244840 CKT 1
END
CONTINGENCY '05CAPITO-CAPTLHEQ'
DISCONNECT BRANCH FROM BUS 242576 TO BUS 244778 CKT 1
END
CONTINGENCY '05CENTCR-05CENTER'
DISCONNECT BRANCH FROM BUS 242589 TO BUS 242590 CKT Z1
END
CONTINGENCY '05CENTER-CENTEREQ'
DISCONNECT BRANCH FROM BUS 242590 TO BUS 243907 CKT 1
END
CONTINGENCY '05CHEM 1-05CHEM 2'
DISCONNECT BRANCH FROM BUS 242592 TO BUS 242593 CKT Z1
END
CONTINGENCY '05CHESTR-CHESAVEQ'
DISCONNECT BRANCH FROM BUS 242596 TO BUS 244786 CKT 1
END
CONTINGENCY '05CLENDE-05THORSS'
DISCONNECT BRANCH FROM BUS 242602 TO BUS 243885 CKT 1
END
CONTINGENCY '05CLOVRD-CLOV1 EQ'
DISCONNECT BRANCH FROM BUS 242607 TO BUS 244042 CKT 1
END
CONTINGENCY '05CLOVRD-CLOV4 EQ'
DISCONNECT BRANCH FROM BUS 242607 TO BUS 244044 CKT 1
END
CONTINGENCY '05CLYTR1-05CLYTR3'
DISCONNECT BRANCH FROM BUS 242608 TO BUS 242610 CKT Z1
END
CONTINGENCY '05CLYTR2-05CLYTR3'
DISCONNECT BRANCH FROM BUS 242609 TO BUS 242610 CKT Z1
END
CONTINGENCY '05DANVL1-05DANVL2'
DISCONNECT BRANCH FROM BUS 242619 TO BUS 242620 CKT Z1
END
CONTINGENCY '05DANVL1-DANVL1EQ'
DISCONNECT BRANCH FROM BUS 242619 TO BUS 243957 CKT 1
END
CONTINGENCY '05DANVL2-05EDAN 1'
DISCONNECT BRANCH FROM BUS 242620 TO BUS 242631 CKT 1
END
CONTINGENCY '05DANVL2-DANVL2EQ'
DISCONNECT BRANCH FROM BUS 242620 TO BUS 243958 CKT 1
END
CONTINGENCY '05DARRH1-05DARRH2'
DISCONNECT BRANCH FROM BUS 242621 TO BUS 242622 CKT Z1
END
CONTINGENCY '05DARRH2-DARAH2EQ'
DISCONNECT BRANCH FROM BUS 242622 TO BUS 244699 CKT 1
END
CONTINGENCY '05EDAN 1-05EDAN 2'
DISCONNECT BRANCH FROM BUS 242631 TO BUS 242632 CKT Z1
END
CONTINGENCY '05EDAN 1-EDANV1EQ'
DISCONNECT BRANCH FROM BUS 242631 TO BUS 243962 CKT 1

```
END
CONTINGENCY '05EDAN 1-05ROCKSP'
  DISCONNECT BRANCH FROM BUS 242631 TO BUS 246972 CKT 1
END
CONTINGENCY '05FLDAL1-FIELD EQ'
  DISCONNECT BRANCH FROM BUS 242638 TO BUS 243963 CKT 1
END
CONTINGENCY '05GLENL1-05GLENL2'
  DISCONNECT BRANCH FROM BUS 242650 TO BUS 242651 CKT 1
END
CONTINGENCY '05GLENL1-05GLENL2A'
  DISCONNECT BRANCH FROM BUS 242650 TO BUS 242651 CKT 2
END
CONTINGENCY '05HALES1-HALESBEQ'
  DISCONNECT BRANCH FROM BUS 242661 TO BUS 244290 CKT 1
END
CONTINGENCY '05HANCK2-HANCK1EQ'
  DISCONNECT BRANCH FROM BUS 242664 TO BUS 244049 CKT 1
END
CONTINGENCY '05HANCK2-HANCK2EQ'
  DISCONNECT BRANCH FROM BUS 242664 TO BUS 244050 CKT 1
END
CONTINGENCY '05HOLST1-05HOLST2'
  DISCONNECT BRANCH FROM BUS 242669 TO BUS 242670 CKT Z1
END
CONTINGENCY '05LOGAN1-05LOGAN2'
  DISCONNECT BRANCH FROM BUS 242704 TO BUS 242705 CKT 1
END
CONTINGENCY '05MOSEL1-05MOSEL2'
  DISCONNECT BRANCH FROM BUS 242723 TO BUS 242724 CKT Z1
END
CONTINGENCY '05ROANO1-05ROANO2'
  DISCONNECT BRANCH FROM BUS 242773 TO BUS 242774 CKT 1
END
CONTINGENCY '05S.PRI1-05S.PRI2'
  DISCONNECT BRANCH FROM BUS 242786 TO BUS 242787 CKT Z1
END
CONTINGENCY '05SPORN-05SPORNS'
  DISCONNECT BRANCH FROM BUS 242807 TO BUS 242808 CKT Z1
END
CONTINGENCY '05SPORN-05MOUNTNA'
  DISCONNECT BRANCH FROM BUS 242807 TO BUS 247040 CKT 1
END
CONTINGENCY '05SPORN-05MOUNTNB'
  DISCONNECT BRANCH FROM BUS 242807 TO BUS 247040 CKT 2
END
CONTINGENCY '05SPORN-05CLINE'
  DISCONNECT BRANCH FROM BUS 242807 TO BUS 247050 CKT Z1
END
CONTINGENCY '05SPRIG1-05SPRIG2'
  DISCONNECT BRANCH FROM BUS 242809 TO BUS 242810 CKT Z1
END
CONTINGENCY '05SPRIG1-SPRIGGEQ'
  DISCONNECT BRANCH FROM BUS 242809 TO BUS 244561 CKT 1
END
CONTINGENCY '05TAZEWE-TAZEWELEQ'
  DISCONNECT BRANCH FROM BUS 242827 TO BUS 244313 CKT 1
END
CONTINGENCY '05TENNE1-05TENNE2'
  DISCONNECT BRANCH FROM BUS 242829 TO BUS 242830 CKT Z1
END
```

CONTINGENCY '05W HUNT-W.HUNTEQ'
DISCONNECT BRANCH FROM BUS 242842 TO BUS 244736 CKT 1
END
CONTINGENCY '05WYTHE1-05WYTHE2'
DISCONNECT BRANCH FROM BUS 242858 TO BUS 242859 CKT Z1
END
CONTINGENCY '05WYTHE1-WYTHE1EQ'
DISCONNECT BRANCH FROM BUS 242858 TO BUS 244179 CKT 1
END
CONTINGENCY '05KMG1EQ-05KAMMR1'
DISCONNECT BRANCH FROM BUS 242911 TO BUS 243026 CKT 1
END
CONTINGENCY '05KMG2EQ-05KAMMR1'
DISCONNECT BRANCH FROM BUS 242912 TO BUS 243026 CKT 2
END
CONTINGENCY '05KMG3EQ-05KAMMR1'
DISCONNECT BRANCH FROM BUS 242913 TO BUS 243026 CKT 3
END
CONTINGENCY 'SBERW EQ-05SBERWI'
DISCONNECT BRANCH FROM BUS 242917 TO BUS 242942 CKT 1
END
CONTINGENCY 'SPOIN4EQ-05S POIN'
DISCONNECT BRANCH FROM BUS 242918 TO BUS 243088 CKT 1
END
CONTINGENCY '05CANTNC-05CANTNC'
DISCONNECT BRANCH FROM BUS 242932 TO BUS 242980 CKT 3
END
CONTINGENCY '05OHIOCT-05OHIOCX'
DISCONNECT BRANCH FROM BUS 242941 TO BUS 243071 CKT 1
END
CONTINGENCY '05BRUES-05BRUES2'
DISCONNECT BRANCH FROM BUS 242968 TO BUS 242969 CKT Z1
END
CONTINGENCY '05BRUES-05WBELLA'
DISCONNECT BRANCH FROM BUS 242968 TO BUS 243143 CKT 2
END
CONTINGENCY '05CROOKS-05SPENCR'
DISCONNECT BRANCH FROM BUS 242986 TO BUS 243107 CKT 1
END
CONTINGENCY '05E WHEE-05TEXEAS'
DISCONNECT BRANCH FROM BUS 242992 TO BUS 243124 CKT 1
END
CONTINGENCY '05GAVIN1-05GAVINL'
DISCONNECT BRANCH FROM BUS 243013 TO BUS 243766 CKT Z1
END
CONTINGENCY '05HOWARD-HOWRD1EQ'
DISCONNECT BRANCH FROM BUS 243024 TO BUS 245666 CKT 1
END
CONTINGENCY '05MILLBR-X4-025'
DISCONNECT BRANCH FROM BUS 243042 TO BUS 912151 CKT 1
END
CONTINGENCY '05MILLWO-05MILL2Z'
DISCONNECT BRANCH FROM BUS 243044 TO BUS 246941 CKT Z1
END
CONTINGENCY '05MUSKNG-05GLOBE'
DISCONNECT BRANCH FROM BUS 243045 TO BUS 243767 CKT 1
END
CONTINGENCY '05NATRIU-05PITTPPL'
DISCONNECT BRANCH FROM BUS 243049 TO BUS 243775 CKT 1
END
CONTINGENCY '05NATRIU-05DOMIN'

DISCONNECT BRANCH FROM BUS 243049 TO BUS 247058 CKT 1
END
CONTINGENCY '05NEWCOM-NEWCMTEQ'
DISCONNECT BRANCH FROM BUS 243056 TO BUS 245252 CKT 1
END
CONTINGENCY '05NEWLIB-05EBERSO'
DISCONNECT BRANCH FROM BUS 243057 TO BUS 247172 CKT 1
END
CONTINGENCY '05NZANEV-05POWELS'
DISCONNECT BRANCH FROM BUS 243068 TO BUS 243075 CKT 1
END
CONTINGENCY '05NZANEV-05ZANESV'
DISCONNECT BRANCH FROM BUS 243068 TO BUS 243161 CKT 1
END
CONTINGENCY '05OHIOCT-05OHIOCXA'
DISCONNECT BRANCH FROM BUS 243070 TO BUS 243071 CKT SR
END
CONTINGENCY '05OHIOCT-05OHIOCB'
DISCONNECT BRANCH FROM BUS 243070 TO BUS 243071 CKT ZB
END
CONTINGENCY '05SCANTE-05SCANTW'
DISCONNECT BRANCH FROM BUS 243092 TO BUS 243093 CKT Z1
END
CONTINGENCY '05SHELGH-05SHELNS'
DISCONNECT BRANCH FROM BUS 243100 TO BUS 243101 CKT 1
END
CONTINGENCY '05SPENCR-05STRODZ'
DISCONNECT BRANCH FROM BUS 243107 TO BUS 243578 CKT 1
END
CONTINGENCY '05TIDD-05TIDD B'
DISCONNECT BRANCH FROM BUS 243127 TO BUS 243128 CKT 1
END
CONTINGENCY '05TORREY-TORREYEQ'
DISCONNECT BRANCH FROM BUS 243132 TO BUS 245186 CKT 1
END
CONTINGENCY '05W LIMA-05SOHIOW'
DISCONNECT BRANCH FROM BUS 243136 TO BUS 243777 CKT 1
END
CONTINGENCY '05WAGENH-05LTV2'
DISCONNECT BRANCH FROM BUS 243139 TO BUS 243772 CKT 2
END
CONTINGENCY '05WAGENH-05LTV1'
DISCONNECT BRANCH FROM BUS 243139 TO BUS 243773 CKT 1
END
CONTINGENCY '05WAGENH-WAGNL2EQ'
DISCONNECT BRANCH FROM BUS 243139 TO BUS 245195 CKT 1
END
CONTINGENCY '05WOOSTE-WOOSTREQ'
DISCONNECT BRANCH FROM BUS 243158 TO BUS 245306 CKT 1
END
CONTINGENCY 'COREY EQ-05COREY'
DISCONNECT BRANCH FROM BUS 243201 TO BUS 243265 CKT 1
END
CONTINGENCY '05ROCKPT-05AKSTL1'
DISCONNECT BRANCH FROM BUS 243209 TO BUS 243239 CKT 7
END
CONTINGENCY '05ROCKPT-05AKSTL2'
DISCONNECT BRANCH FROM BUS 243209 TO BUS 243240 CKT 8
END
CONTINGENCY '05BREED-05SULVN3'
DISCONNECT BRANCH FROM BUS 243213 TO BUS 247158 CKT Z3

```
END
CONTINGENCY '05DARWIN-05EUGENE'
  DISCONNECT BRANCH FROM BUS 243216 TO BUS 243221 CKT 1
END
CONTINGENCY '05LAWBG1-05LAWBG2'
  DISCONNECT BRANCH FROM BUS 243226 TO BUS 243227 CKT Z1
END
CONTINGENCY '05TANNER-U2-090 C'
  DISCONNECT BRANCH FROM BUS 243233 TO BUS 247508 CKT 1
END
CONTINGENCY '05AKSTL1-05AKSTL'
  DISCONNECT BRANCH FROM BUS 243239 TO BUS 243785 CKT 1
END
CONTINGENCY '05AKSTL2-05AKSTL'
  DISCONNECT BRANCH FROM BUS 243240 TO BUS 243785 CKT 1
END
CONTINGENCY '05ALBION-ALBIONEQ'
  DISCONNECT BRANCH FROM BUS 243241 TO BUS 246180 CKT 1
END
CONTINGENCY '05COREY-05POKAGO'
  DISCONNECT BRANCH FROM BUS 243265 TO BUS 243360 CKT 1
END
CONTINGENCY '05COUNTR-Y3-023'
  DISCONNECT BRANCH FROM BUS 243266 TO BUS 915041 CKT 1
END
CONTINGENCY '05DEERCR-DEERC1EQ'
  DISCONNECT BRANCH FROM BUS 243274 TO BUS 245963 CKT 1
END
CONTINGENCY '05EELKHA-E ELK EQ'
  DISCONNECT BRANCH FROM BUS 243287 TO BUS 246394 CKT 1
END
CONTINGENCY '05GMPLAN-05MOORPK'
  DISCONNECT BRANCH FROM BUS 243299 TO BUS 243345 CKT 1
END
CONTINGENCY '05HARTFO-HARTFDEQ'
  DISCONNECT BRANCH FROM BUS 243307 TO BUS 246455 CKT 1
END
CONTINGENCY '05HICKOR-HICKRYEQ'
  DISCONNECT BRANCH FROM BUS 243308 TO BUS 246461 CKT 1
END
CONTINGENCY '05HUMMEL-HUMMELEQ'
  DISCONNECT BRANCH FROM BUS 243312 TO BUS 245978 CKT 1
END
CONTINGENCY '05INDUSP-IND PKEQ'
  DISCONNECT BRANCH FROM BUS 243316 TO BUS 246127 CKT 1
END
CONTINGENCY '05JAY-JAY EQ'
  DISCONNECT BRANCH FROM BUS 243319 TO BUS 246018 CKT 1
END
CONTINGENCY '05KLINE-05TWIN B'
  DISCONNECT BRANCH FROM BUS 243323 TO BUS 243385 CKT 1
END
CONTINGENCY '05LINCOL-LINCO1EQ'
  DISCONNECT BRANCH FROM BUS 243330 TO BUS 246138 CKT 1
END
CONTINGENCY '05MCKINL-MCKIN5EQ'
  DISCONNECT BRANCH FROM BUS 243338 TO BUS 246146 CKT 1
END
CONTINGENCY '05MILAN-05MICHN1'
  DISCONNECT BRANCH FROM BUS 243342 TO BUS 247166 CKT 1
END
```


CONTINGENCY '05MILAN-05MICHN2'
DISCONNECT BRANCH FROM BUS 243342 TO BUS 247167 CKT 1
END
CONTINGENCY '05MILAN-05MICHN3'
DISCONNECT BRANCH FROM BUS 243342 TO BUS 247168 CKT 1
END
CONTINGENCY '05RIVRSD-RIVERSEQ'
DISCONNECT BRANCH FROM BUS 243365 TO BUS 246482 CKT 1
END
CONTINGENCY '05ROB PK-ROBPK4EQ'
DISCONNECT BRANCH FROM BUS 243366 TO BUS 246157 CKT 1
END
CONTINGENCY '05S BEND-S BENDEQ'
DISCONNECT BRANCH FROM BUS 243370 TO BUS 246353 CKT 1
END
CONTINGENCY '05WESTH1-05WESTH2'
DISCONNECT BRANCH FROM BUS 243394 TO BUS 243395 CKT 1
END
CONTINGENCY 'LICK EQ1-05LICK'
DISCONNECT BRANCH FROM BUS 243445 TO BUS 243534 CKT 1
END
CONTINGENCY 'LICK EQ2-05LICK'
DISCONNECT BRANCH FROM BUS 243446 TO BUS 243534 CKT 1
END
CONTINGENCY 'LICK EQ3-05LICK'
DISCONNECT BRANCH FROM BUS 243447 TO BUS 243534 CKT 1
END
CONTINGENCY 'POSTNEQ1-05POSTON'
DISCONNECT BRANCH FROM BUS 243448 TO BUS 243555 CKT 1
END
CONTINGENCY 'POSTNEQ2-05POSTON'
DISCONNECT BRANCH FROM BUS 243449 TO BUS 243555 CKT 1
END
CONTINGENCY 'ROSS EQ3-05ROSS'
DISCONNECT BRANCH FROM BUS 243450 TO BUS 243562 CKT 1
END
CONTINGENCY 'WVRLYEQ1-05WAVERL'
DISCONNECT BRANCH FROM BUS 243451 TO BUS 243585 CKT 1
END
CONTINGENCY 'WVRLYEQ2-05WAVERL'
DISCONNECT BRANCH FROM BUS 243452 TO BUS 243585 CKT 1
END
CONTINGENCY '05BEATTY-BEATYEQ1'
DISCONNECT BRANCH FROM BUS 243469 TO BUS 246650 CKT 1
END
CONTINGENCY '05BEATTY-BEATYEQ2'
DISCONNECT BRANCH FROM BUS 243469 TO BUS 246651 CKT 1
END
CONTINGENCY '05BEXLEY-BEXLYEQ1'
DISCONNECT BRANCH FROM BUS 243472 TO BUS 246694 CKT 1
END
CONTINGENCY '05BEXLEY-BEXLYEQ3'
DISCONNECT BRANCH FROM BUS 243472 TO BUS 246729 CKT 1
END
CONTINGENCY '05CRCLVS-05HARRIS'
DISCONNECT BRANCH FROM BUS 243483 TO BUS 243522 CKT 2
END
CONTINGENCY '05CITYCO-05CTYPLN'
DISCONNECT BRANCH FROM BUS 243484 TO BUS 243494 CKT 1
END
CONTINGENCY '05CONESE-05CONESW'

DISCONNECT BRANCH FROM BUS 243488 TO BUS 243489 CKT Z1
END
CONTINGENCY '05DELANO-05ROSS'
DISCONNECT BRANCH FROM BUS 243497 TO BUS 243562 CKT 2
END
CONTINGENCY '05E.BROA-E.BRDEQ1'
DISCONNECT BRANCH FROM BUS 243502 TO BUS 246699 CKT 1
END
CONTINGENCY '05E.BROA-E.BRDEQ2'
DISCONNECT BRANCH FROM BUS 243502 TO BUS 246700 CKT 1
END
CONTINGENCY '05ELLIOT-ELLIOTEQ'
DISCONNECT BRANCH FROM BUS 243506 TO BUS 243834 CKT 1
END
CONTINGENCY '05GENOA-GENOAEQ1'
DISCONNECT BRANCH FROM BUS 243513 TO BUS 246615 CKT 1
END
CONTINGENCY '05GROVES-GROVEQ3'
DISCONNECT BRANCH FROM BUS 243518 TO BUS 246882 CKT 8
END
CONTINGENCY '05GROVES-GROVEQ2'
DISCONNECT BRANCH FROM BUS 243518 TO BUS 246884 CKT 7
END
CONTINGENCY '05KIRK-05JUG ST'
DISCONNECT BRANCH FROM BUS 243532 TO BUS 243856 CKT 1
END
CONTINGENCY '05MARION-MARN EQ5'
DISCONNECT BRANCH FROM BUS 243539 TO BUS 246713 CKT 1
END
CONTINGENCY '05MARION-MARN EQ6'
DISCONNECT BRANCH FROM BUS 243539 TO BUS 246714 CKT 1
END
CONTINGENCY '05MCOMBS-MCCMBEQ1'
DISCONNECT BRANCH FROM BUS 243540 TO BUS 246661 CKT 1
END
CONTINGENCY '05POSTON-05STRODZ'
DISCONNECT BRANCH FROM BUS 243555 TO BUS 243578 CKT 1
END
CONTINGENCY '05ROSS-ROSS EQ1'
DISCONNECT BRANCH FROM BUS 243562 TO BUS 243837 CKT 1
END
CONTINGENCY '05ROSS-ROSS EQ2'
DISCONNECT BRANCH FROM BUS 243562 TO BUS 243838 CKT 1
END
CONTINGENCY '05RVRVW1-05RVRVW2'
DISCONNECT BRANCH FROM BUS 243564 TO BUS 243565 CKT Z1
END
CONTINGENCY '05SAWMIL-SAWMLEQ1'
DISCONNECT BRANCH FROM BUS 243566 TO BUS 246598 CKT 1
END
CONTINGENCY '05SAWMIL-SAWMLEQ2'
DISCONNECT BRANCH FROM BUS 243566 TO BUS 246599 CKT 1
END
CONTINGENCY '05STRODZ-05STROUD'
DISCONNECT BRANCH FROM BUS 243578 TO BUS 243579 CKT 1
END
CONTINGENCY '05STROUD-STRDREQ1'
DISCONNECT BRANCH FROM BUS 243579 TO BUS 243831 CKT 1
END
CONTINGENCY '05STROUD-STRDREQ2'
DISCONNECT BRANCH FROM BUS 243579 TO BUS 243835 CKT 1

```
END
CONTINGENCY '05WILSON-WILSNEQ1'
  DISCONNECT BRANCH FROM BUS 243588 TO BUS 246670 CKT 1
END
CONTINGENCY '05WILSON-WILSNEQ2'
  DISCONNECT BRANCH FROM BUS 243588 TO BUS 246671 CKT 1
END
CONTINGENCY '05WILSON-WILSNEQ3'
  DISCONNECT BRANCH FROM BUS 243588 TO BUS 246672 CKT 1
END
CONTINGENCY 'BEAVC1EQ-05BEAVR1'
  DISCONNECT BRANCH FROM BUS 243656 TO BUS 243671 CKT 1
END
CONTINGENCY 'BEAVC2EQ-05BEAVR1'
  DISCONNECT BRANCH FROM BUS 243657 TO BUS 243671 CKT 1
END
CONTINGENCY 'BELFN2EQ-05BELLF1'
  DISCONNECT BRANCH FROM BUS 243658 TO BUS 243675 CKT 1
END
CONTINGENCY 'CEDARCEQ-05CEDARC'
  DISCONNECT BRANCH FROM BUS 243661 TO BUS 243680 CKT 1
END
CONTINGENCY 'JOHNCREQ-05JOHNSC'
  DISCONNECT BRANCH FROM BUS 243662 TO BUS 243695 CKT 1
END
CONTINGENCY 'THELMAEQ-05THELMA'
  DISCONNECT BRANCH FROM BUS 243663 TO BUS 243702 CKT 1
END
CONTINGENCY '05HAZRD1-05HAZRD2'
  DISCONNECT BRANCH FROM BUS 243692 TO BUS 243693 CKT Z1
END
CONTINGENCY '05STONE-STONE EQ'
  DISCONNECT BRANCH FROM BUS 243701 TO BUS 243805 CKT 1
END
CONTINGENCY '05CENTRP-05CENT33'
  DISCONNECT BRANCH FROM BUS 243849 TO BUS 243850 CKT 3
END
CONTINGENCY '05CENTRP-05CENT27'
  DISCONNECT BRANCH FROM BUS 243849 TO BUS 243852 CKT 1
END
CONTINGENCY '05CENT33-05CENTRM'
  DISCONNECT BRANCH FROM BUS 243850 TO BUS 243851 CKT 1
END
CONTINGENCY '05CENTRM-05CENT27'
  DISCONNECT BRANCH FROM BUS 243851 TO BUS 243852 CKT 1
END
CONTINGENCY '05SOFTSH-05BONNYM'
  DISCONNECT BRANCH FROM BUS 243875 TO BUS 246918 CKT 1
END
CONTINGENCY '05MORISB-05THORSS'
  DISCONNECT BRANCH FROM BUS 243884 TO BUS 243885 CKT 1
END
CONTINGENCY '05THORSS-05COBB'
  DISCONNECT BRANCH FROM BUS 243885 TO BUS 243886 CKT 1
END
CONTINGENCY '05WARTNH-05CALISS'
  DISCONNECT BRANCH FROM BUS 246928 TO BUS 247251 CKT 1
END
CONTINGENCY '05WAYMSS-05ASTNSS'
  DISCONNECT BRANCH FROM BUS 247002 TO BUS 247128 CKT 1
END
```

```

/*=====AEP TIES=====
CONTINGENCY 'APS_B_G448B' / 235340 01GRASSY 138 242713 05MCLUN1 138 1
  OPEN BRANCH FROM BUS 235340 TO BUS 242713 CKT 1
END
CONTINGENCY 'AP_WASHMP_TIE' / 243490 05CORNER 138 235418 01WASHMP 138 1
  OPEN BRANCH FROM BUS 243490 TO BUS 235418 CKT 1
END
CONTINGENCY 'AP_WINDSOR_TIE' / 243131 05TILTON 138 235428 01WINDSR 138 1
  OPEN BRANCH FROM BUS 243131 TO BUS 235428 CKT 1
END
CONTINGENCY 'AP_CARNEG_TIE'
  OPEN BRANCH FROM BUS 235311 TO BUS 243127 CKT 1 / 235311 01CARNEG 138 243127 05TIDD 138 1
END
CONTINGENCY 'AP_B2_508' / WILLOW ISLAND-MILL CREEK
  OPEN BRANCH FROM BUS 235126 TO BUS 235291 CKT 1 /* WILLOW-CYTEC 642
  OPEN BRANCH FROM BUS 235291 TO BUS 243557 CKT 1 /* CYTEC-RENO 642
  OPEN BRANCH FROM BUS 243557 TO BUS 243500 CKT 1 /* RENO-DUCKCRK 642
  OPEN BRANCH FROM BUS 243500 TO BUS 243543 CKT 1 /* DUCKCR-MILLCRK 642
END
CONTINGENCY 'APS_B_23A' / WEIRTON-WYLIE RIDGE-SOUTH TORONTO
  OPEN BUS 235406
  OPEN BUS 243113
END
CONTINGENCY '5264_B2_TOR46'
  OPEN BRANCH FROM BUS 235340 TO BUS 242713 CKT 1 / 235340 01GRASSY 138 242713 05MCLUN1 138 1
  OPEN BRANCH FROM BUS 242713 TO BUS 244428 CKT 1 / 242713 05MCLUN1 138 244428 MCCLUNG 69.0 1
END
CONTINGENCY '5128_B2_TOR617'
  OPEN BRANCH FROM BUS 235428 TO BUS 243131 CKT 1 / 235428 01WINDSR 138 243131 05TILTON 138 1
  OPEN BRANCH FROM BUS 243131 TO BUS 243143 CKT 1 / 243131 05TILTON 138 243143 05WBELLA 138 1
  OPEN BRANCH FROM BUS 243131 TO BUS 245100 CKT 1 / 243131 05TILTON 138 245100 TILTONVL 69.0 1
END
CONTINGENCY '5235_B2_TOR2364'
  OPEN BRANCH FROM BUS 235378 TO BUS 243049 CKT 1 / 235378 01NMARTN 138 243049 05NATRIU 138 1
END
CONTINGENCY '5341_B2_TOR2371_WOMOAB'
  OPEN BRANCH FROM BUS 244878 TO BUS 242580 CKT 1 / 244878 CARBNDEQ 999 242580 05CARBND 138 1
  OPEN BRANCH FROM BUS 244878 TO BUS 244387 CKT 1 / 244878 CARBNDEQ 999 244387 CARBONDL 69.0 1
  OPEN BRANCH FROM BUS 244878 TO BUS 244879 CKT 1 / 244878 CARBNDEQ 999 244879 CARBONDL 46.0 1
  OPEN BRANCH FROM BUS 235333 TO BUS 235626 CKT 1 / 235333 01GILBOA 138 235626 01JONESB 138 1
  OPEN BRANCH FROM BUS 235626 TO BUS 242551 CKT 1 / 235626 01JONESB 138 242551 05BELVA 138 1
  OPEN BRANCH FROM BUS 242551 TO BUS 242580 CKT 1 / 242551 05BELVA 138 242580 05CARBND 138 1
  OPEN BRANCH FROM BUS 242580 TO BUS 242689 CKT 1 / 242580 05CARBND 138 242689 05KANAWH 138 1
  OPEN BRANCH FROM BUS 242551 TO BUS 244824 CKT 1A / 242551 05BELVA 138 244824 BELVA 46.0 1A
  OPEN BRANCH FROM BUS 244824 TO BUS 244826 CKT 1 / 244824 BELVA 46.0 244826 LILLYBRH 46.0 1
END
CONTINGENCY '5350_B2_TOR2441_WOMOAB'
  OPEN BRANCH FROM BUS 235346 TO BUS 242777 CKT ZB / 235346 01RONCVRT 138 242777 05RONCVR 138 ZB
  OPEN BRANCH FROM BUS 242658 TO BUS 242777 CKT 1 / 242658 05GREENB 138 242777 05RONCVR 138 1
  OPEN BRANCH FROM BUS 242658 TO BUS 314847 CKT 1 / 242658 05GREENB 138 314847 4FUDGE H 138 1
  OPEN BRANCH FROM BUS 242668 TO BUS 242777 CKT 1 / 242668 05HINTON 138 242777 05RONCVR 138 1
  OPEN BRANCH FROM BUS 235346 TO BUS 237227 CKT 3 / 235346 01RONCVRT 138 237227 01RONCEV3 46.0 3
  OPEN BRANCH FROM BUS 235346 TO BUS 237233 CKT 5 / 235346 01RONCVRT 138 237233 01RONCEV5 46.0 5
  OPEN BRANCH FROM BUS 242658 TO BUS 237219 CKT 2 / 242658 05GREENB 138 237219 01GREENB 46.0 2
END
CONTINGENCY '5748_B2_TOR11541B_MOAB'
  OPEN BRANCH FROM BUS 235383 TO BUS 243470 CKT 1 / 235383 01PARKER 138 243470 05BELPRE 138 1
END
CONTINGENCY '5752_B2_TOR11546'
  OPEN BRANCH FROM BUS 235291 TO BUS 243557 CKT 1 / 235291 01CYTEC 138 243557 05RENO 138 1
  OPEN BRANCH FROM BUS 243500 TO BUS 243543 CKT 1 / 243500 05DUCKCR 138 243543 05MILLCR 138 1

```

```

OPEN BRANCH FROM BUS 243500 TO BUS 243557 CKT 1          / 243500 05DUCKCR 138 243557 05RENO 138 1
END
CONTINGENCY '1284_B3_05BELMON 765-1_MOAB_WOMOP'
OPEN BRANCH FROM BUS 242920 TO BUS 235102 CKT 5          / 242920 05BELMON 765 235102 01BELMNT 500 5
END
CONTINGENCY 'B_LINE1_ER_063B'                          /* HARMON-HOLLOWAY 138KV
DISCONNECT BRANCH FROM BUS 239354 TO BUS 247131 CKT 1F    /* 02HARMON 138.00 05HOLLOW 138.00
END
CONTINGENCY 'B_LINE1_ER_063G'                          /* HARMON-HOLLOWAY NO.2 138KV
DISCONNECT BRANCH FROM BUS 239354 TO BUS 247131 CKT 3     /* 02HARMON 138.00 05HOLLOW 138.00
END
CONTINGENCY '775_B2_AA2'                               /*HARMON-S.CANTON 345KV
OPEN BRANCH FROM BUS 242943 TO BUS 239353 CKT 1          / 242943 05SCANTO 239353 02HARMON 345 1
END
CONTINGENCY 'B_LINE1_SR_054C'                          /* BROOKSIDE - HOLLOWAY 138KV LINE OUTAGE
DISCONNECT BRANCH FROM BUS 238586 TO BUS 247131 CKT 1     /* 02BRKSID 138.00 05GHOSTT 138.00
END
CONTINGENCY 'B_LINE1_CR_036CC'                        /* LINE 02CLVRDL TO HOLLOWAY 138 CK 1
DISCONNECT BRANCH FROM BUS 238629 TO BUS 247131 CKT 1     /* 02CLVRDL 138.00 05GHOSTT 138.00
END
CONTINGENCY 'B_LINE1_ER_063D'                          /* HOLLOWAY-BURGER #1 138KV
DISCONNECT BRANCH FROM BUS 238583 TO BUS 247131 CKT 1F    /* 02BRGR E 138.00 05HOLLOW 138.00
END
CONTINGENCY 'B_LINE1_ER_063E'                          /* HOLLOWAY-BURGER #2 138KV
DISCONNECT BRANCH FROM BUS 238583 TO BUS 247131 CKT 2F    /* 02BRGR E 138.00 05HOLLOW 138.00
END
CONTINGENCY 'ATSI-AEP_TIE_NEW1A'                      /238745 02GALION 345.00 - 247606 W3-005 TAP 345.00
OPEN BRANCH FROM BUS 238745 TO BUS 247606 CKT 1          / 238745 02GALION 345.00 247606 W3-005 TAP 345
END
CONTINGENCY '770_B2'
OPEN BRANCH FROM BUS 238889 TO BUS 242936 CKT 1          / 238889 02LEMOYN 345 242936 05FOSTOR 345 1
END
CONTINGENCY '8691_B2'
OPEN BRANCH FROM BUS 239217 TO BUS 247131 CKT 1          / 239217 02REEDSB 138 247131 05HOLLOW 138 1
END
CONTINGENCY '768_B2'
OPEN BRANCH FROM BUS 242936 TO BUS 241901 CKT 1F          / 242936 05FOSTOR 345 913445 Y1-069 JNT 345 1
END
CONTINGENCY '1286_B2_TOR556A_WOMOP'
OPEN BRANCH FROM BUS 238745 TO BUS 242941 CKT 1          / 238745 02GALION 345 242941 05OHIOCT 345 1
END
CONTINGENCY '774_B2_TOR564'
OPEN BRANCH FROM BUS 239092 TO BUS 242943 CKT 1          / 239092 02SAMMIS 345 242943 05SCANTO 345 1
END
CONTINGENCY '773_B2_TOR565'
OPEN BRANCH FROM BUS 239133 TO BUS 243458 CKT 1          / 239133 02TANGY 345 243458 05HYATT 345 1
END
CONTINGENCY '6146_B2_TOR566'
OPEN BRANCH FROM BUS 239133 TO BUS 242939 CKT 1          / 239133 02TANGY 345 242939 05MARYSV 345 1
END
CONTINGENCY '5118_B2_TOR600'
OPEN BRANCH FROM BUS 238575 TO BUS 242980 CKT 1          / 238575 02BLUBEL 138 242980 05CANTNC 138 1
END
CONTINGENCY '5119_B2_TOR601'
OPEN BRANCH FROM BUS 239237 TO BUS 242980 CKT 1          / 239237 02CLVR-S 138 242980 05CANTNC 138 1
END
CONTINGENCY '5120_B2_TOR602'
OPEN BRANCH FROM BUS 239237 TO BUS 243000 CKT 1          / 239237 02CLVR-S 138 243000 05EWOOST 138 1
END
CONTINGENCY '5121_B2_TOR608'
OPEN BRANCH FROM BUS 238586 TO BUS 243024 CKT 1          / 238586 02BRKSID 138 243024 05HOWARD 138 1

```

```

END
CONTINGENCY '5123_B2_TOR610_WOMOAB'
  OPEN BRANCH FROM BUS 239070 TO BUS 243029 CKT 1      / 239070 02RICHLD 138 243029 05LCKWRD 138 1
  OPEN BRANCH FROM BUS 242971 TO BUS 243029 CKT 1      / 242971 05BRYAN 138 243029 05LCKWRD 138 1
  OPEN BRANCH FROM BUS 243029 TO BUS 243086 CKT 1      / 243029 05LCKWRD 138 243086 05S HICK 138 1
  OPEN BRANCH FROM BUS 242971 TO BUS 245865 CKT 1      / 242971 05BRYAN 138 245865 BRYAN 69.0 1
END
CONTINGENCY '5124_B2_TOR610A_MOAB'
  OPEN BRANCH FROM BUS 239070 TO BUS 243029 CKT 1      / 239070 02RICHLD 138 243029 05LCKWRD 138 1
END
CONTINGENCY '5790_B2_TOR660'
  OPEN BRANCH FROM BUS 239134 TO BUS 243498 CKT 1      / 239134 02TANGY 138 243498 05DLAWAR 138 1
END
CONTINGENCY '5809_B2_TOR1984'
  OPEN BRANCH FROM BUS 238908 TO BUS 243469 CKT 1      / 238908 02LONDON 138 243469 05BEATTY 138 1
END
CONTINGENCY '5230_B2_TOR2185'
  OPEN BRANCH FROM BUS 239237 TO BUS 243132 CKT 1      / 239237 02CLVR-S 138 243132 05TORREY 138 1
END
CONTINGENCY '5239_B2_TOR3864'
  OPEN BRANCH FROM BUS 238649 TO BUS 243134 CKT 1      / 238649 02DALE 138 243134 05W CANT 138 1
END
CONTINGENCY '5246_B2_TOR4883'
  OPEN BRANCH FROM BUS 239269 TO BUS 242993 CKT 1      / 239269 02RICHLJ 138 242993 05E.LPSC 138 1
END
CONTINGENCY '767_B2_TOR6402'
  OPEN BRANCH FROM BUS 238781 TO BUS 242932 CKT 1      / 238781 02HANNA 345 242932 05CANTNC 345 1
END
CONTINGENCY '5249_B2_TOR11579_WOMOAB'
  OPEN BRANCH FROM BUS 245616 TO BUS 243009 CKT 1      / 245616 FREMNTEQ 999 243009 05FRMNT 138 1
  OPEN BRANCH FROM BUS 245616 TO BUS 245617 CKT 1      / 245616 FREMNTEQ 999 245617 FREMONT 69.0 1
  OPEN BRANCH FROM BUS 245616 TO BUS 245618 CKT 1      / 245616 FREMNTEQ 999 245618 FREMONT- 12.0 1
  OPEN BRANCH FROM BUS 239154 TO BUS 243009 CKT 1      / 239154 02W.FREM 138 243009 05FRMNT 138 1
  OPEN BRANCH FROM BUS 243008 TO BUS 243009 CKT 1      / 243008 05FREMCT 138 243009 05FRMNT 138 1
  OPEN BRANCH FROM BUS 245645 TO BUS 245617 CKT 1      / 245645 CLYDE 69.0 245617 FREMONT 69.0 1
  OPEN BRANCH FROM BUS 245617 TO BUS 245627 CKT 1      / 245617 FREMONT 69.0 245627 N FREMON 69.0 1
  OPEN BRANCH FROM BUS 245617 TO BUS 245631 CKT 1      / 245617 FREMONT 69.0 245631 SBC CONT 69.0 1
END
CONTINGENCY '5251_B2_TOR11579B_MOAB'
  OPEN BRANCH FROM BUS 239154 TO BUS 243009 CKT 1      / 239154 02W.FREM 138 243009 05FRMNT 138 1
END
CONTINGENCY '6993_B1_05U4-039 138-1'
  OPEN BRANCH FROM BUS 249742 TO BUS 247523 CKT Z1      / 249742 08GRTOWN 138 247523 U4-039 C 138 Z1
  OPEN BRANCH FROM BUS 247523 TO BUS 247927 CKT 1      / 247523 U4-039 C 138 247927 U4-039 E 138 1
  REMOVE UNIT 1C FROM BUS 247523                      / 247523 U4-039 C 138
  REMOVE UNIT 1E FROM BUS 247927                      / 247927 U4-039 E 138
END
CONTINGENCY '1377_B2_TOR20_WOMOP'
  OPEN BRANCH FROM BUS 242514 TO BUS 242520 CKT 1      / 242514 05J.FERR 765 242520 05J.FERR 500 1
  OPEN BRANCH FROM BUS 242520 TO BUS 306719 CKT 1      / 242520 05J.FERR 500 306719 8ANTIOCH 500 1
END
CONTINGENCY '1240_B2_TOR38'
  OPEN BRANCH FROM BUS 242767 TO BUS 242768 CKT SR      / 242767 05RIDGWA 138 242768 05RIDGWX 138 SR
  OPEN BRANCH FROM BUS 242767 TO BUS 242768 CKT ZB      / 242767 05RIDGWA 138 242768 05RIDGWX 138 ZB
  OPEN BRANCH FROM BUS 242768 TO BUS 242769 CKT SR      / 242768 05RIDGWX 138 242769 05RIDGWY 138 SR
  OPEN BRANCH FROM BUS 242768 TO BUS 242769 CKT ZB      / 242768 05RIDGWX 138 242769 05RIDGWY 138 ZB
  OPEN BRANCH FROM BUS 242769 TO BUS 306711 CKT 1      / 242769 05RIDGWY 138 306711 4DAN RIV 138 1
  OPEN BRANCH FROM BUS 306711 TO BUS 309360 CKT 1      / 306711 4DAN RIV 138 309360 DANRVR 100 1
  OPEN BRANCH FROM BUS 306711 TO BUS 309360 CKT 2      / 306711 4DAN RIV 138 309360 DANRVR 100 2
END
CONTINGENCY '5662_B2_TOR39_WOMOAB'

```

OPEN BRANCH FROM BUS 242670 TO BUS 242819 CKT 1	/ 242670 05HOLST2 138 242819 05SULVN 138 1
OPEN BRANCH FROM BUS 242819 TO BUS 304740 CKT 1	/ 242819 05SULVN 138 304740 4WALTERS138 138 1
OPEN BRANCH FROM BUS 304740 TO BUS 304741 CKT 1	/ 304740 4WALTERS138 138 304741 3WALTERS115T
115 1	
OPEN BRANCH FROM BUS 242819 TO BUS 244215 CKT Z1	/ 242819 05SULVN 138 244215 SLLVNG L 12.0 Z1
END	
CONTINGENCY '5366_B2_TOR42'	
OPEN BRANCH FROM BUS 242549 TO BUS 242550 CKT 1	/ 242549 05BANSTR 138 242550 05BEARSK 138 1
OPEN BRANCH FROM BUS 242549 TO BUS 242632 CKT 1	/ 242549 05BANSTR 138 242632 05EDAN 2 138 1
OPEN BRANCH FROM BUS 242549 TO BUS 314668 CKT Z1	/ 242549 05BANSTR 138 314668 4BANISTR 138 Z1
OPEN BRANCH FROM BUS 242550 TO BUS 242802 CKT 1	/ 242550 05BEARSK 138 242802 05SMITHM 138 1
OPEN BRANCH FROM BUS 242550 TO BUS 314671 CKT Z1	/ 242550 05BEARSK 138 314671 4BEARSKN 138 Z1
OPEN BRANCH FROM BUS 314671 TO BUS 314789 CKT 1	/ 314671 4BEARSKN 138 314789 2BEARSKN 69.0 1
END	
CONTINGENCY '5489_B2_TOR604_WOMOAB'	
OPEN BRANCH FROM BUS 246085 TO BUS 243344 CKT 1	/ 246085 MODOC EQ 999 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 246085 TO BUS 246083 CKT 1	/ 246085 MODOC EQ 999 246083 MODOC 69.0 1
OPEN BRANCH FROM BUS 246085 TO BUS 246084 CKT 1	/ 246085 MODOC EQ 999 246084 MODOC L 12.0 1
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1	/ 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 243344 CKT 1	/ 243259 05CNTRVL 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243344 CKT 1	/ 243275 05DELAWR 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 250345 CKT 1	/ 243259 05CNTRVL 138 250345 08CENTVL 69.0 1
OPEN BRANCH FROM BUS 246080 TO BUS 246083 CKT 1	/ 246080 HUNTSVIL 69.0 246083 MODOC 69.0 1
END	
CONTINGENCY '5491_B2_TOR604B_MOAB'	
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1	/ 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 243344 CKT 1	/ 243259 05CNTRVL 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 250345 CKT 1	/ 243259 05CNTRVL 138 250345 08CENTVL 69.0 1
END	
CONTINGENCY '5892_B2_TOR612'	
OPEN BRANCH FROM BUS 243688 TO BUS 243042 CKT 1	/ 243688 05FULLER 138 243042 05MILLBR 138 1
OPEN BRANCH FROM BUS 243688 TO BUS 342538 CKT 1	/ 243688 05FULLER 138 342538 4ARGENTUM 138 1
OPEN BRANCH FROM BUS 243688 TO BUS 244686 CKT 1	/ 243688 05FULLER 138 244686 VANCEBRG 12.0 1
END	
CONTINGENCY '30_B2_TOR1694'	
OPEN BRANCH FROM BUS 243218 TO BUS 243222 CKT 1	/ 243218 05DESOTO 345 243222 05FALL C 345 1
OPEN BRANCH FROM BUS 243222 TO BUS 254535 CKT 1	/ 243222 05FALL C 345 254535 16SUNNYS 345 1
END	
CONTINGENCY '24_B2_TOR1708_WOMOAB'	
OPEN BRANCH FROM BUS 243214 TO BUS 243231 CKT 1	/ 243214 05COLNGW 345 243231 05ROB PK 345 1
OPEN BRANCH FROM BUS 243214 TO BUS 243784 CKT 1	/ 243214 05COLNGW 345 243784 05S.BTLR 345 1
OPEN BRANCH FROM BUS 243214 TO BUS 255105 CKT 1	/ 243214 05COLNGW 345 255105 17HIPLE 345 1
END	
CONTINGENCY '5498_B2_TOR1722'	
OPEN BRANCH FROM BUS 246276 TO BUS 243263 CKT 1	/ 246276 COLMB2EQ 999 243263 05COLUMB 138 1
OPEN BRANCH FROM BUS 246276 TO BUS 246274 CKT 1	/ 246276 COLMB2EQ 999 246274 COLMBIA1 69.0 1
OPEN BRANCH FROM BUS 246276 TO BUS 246275 CKT 1	/ 246276 COLMB2EQ 999 246275 COLMBIA2 34.5 1
OPEN BRANCH FROM BUS 243263 TO BUS 255163 CKT 1	/ 243263 05COLUMB 138 255163 17NORTHEAST 138 1
OPEN BRANCH FROM BUS 246271 TO BUS 246274 CKT 1	/ 246271 CLEVLND8 69.0 246274 COLMBIA1 69.0 1
OPEN BRANCH FROM BUS 246274 TO BUS 246279 CKT 1	/ 246274 COLMBIA1 69.0 246279 GATWY P8 69.0 1
OPEN BRANCH FROM BUS 246275 TO BUS 246285 CKT 1	/ 246275 COLMBIA2 34.5 246285 LAUD 34.5 1
END	
CONTINGENCY '5602_B2_TOR2642_WOMOAB'	
OPEN BRANCH FROM BUS 243312 TO BUS 243367 CKT 1	/ 243312 05HUMMEL 138 243367 05ROCKCR 138 1
OPEN BRANCH FROM BUS 243313 TO BUS 243367 CKT 1	/ 243313 05HUNT J 138 243367 05ROCKCR 138 1
OPEN BRANCH FROM BUS 243313 TO BUS 243377 CKT 1	/ 243313 05HUNT J 138 243377 05SORENS 138 1
OPEN BRANCH FROM BUS 243313 TO BUS 249759 CKT 1	/ 243313 05HUNT J 138 249759 08HNTNGT 138 1
OPEN BRANCH FROM BUS 243367 TO BUS 245993 CKT 1	/ 243367 05ROCKCR 138 245993 ROCKCR L 34.5 1
END	
CONTINGENCY '5974_B2_TOR2884_WOMOAB'	
OPEN BRANCH FROM BUS 243665 TO BUS 243667 CKT 1	/ 243665 05LESLIE 161 243667 05STINNE 161 1

OPEN BRANCH FROM BUS 243667 TO BUS 360452 CKT 1	/ 243667 05STINNE 161 360452 5PINEVILL KY 161 1
OPEN BRANCH FROM BUS 243667 TO BUS 244649 CKT 1	/ 243667 05STINNE 161 244649 STINNT L 34.5 1
END	
CONTINGENCY '5479_B2_TOR5201_WOMOAB'	
OPEN BRANCH FROM BUS 242569 TO BUS 242734 CKT 1	/ 242569 05BRUSHT 138 242734 05NEWLDN 138 1
OPEN BRANCH FROM BUS 242687 TO BUS 242734 CKT 1	/ 242687 05JOHNMT 138 242734 05NEWLDN 138 1
OPEN BRANCH FROM BUS 242687 TO BUS 242741 CKT 1	/ 242687 05JOHNMT 138 242741 05OTTER 138 1
OPEN BRANCH FROM BUS 242741 TO BUS 314667 CKT 1	/ 242741 05OTTER 138 314667 4ALTVSTA 138 1
OPEN BRANCH FROM BUS 242687 TO BUS 243945 CKT 1	/ 242687 05JOHNMT 138 243945 JOHNMT L 25.0 1
OPEN BRANCH FROM BUS 242741 TO BUS 243940 CKT 1	/ 242741 05OTTER 138 243940 OTTER L 12.0 1
END	
CONTINGENCY '5704_B2_TOR13259'	
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242732 TO BUS 242851 CKT 1	/ 242732 05NBRSTL 138 242851 05WOLF2 138 1
OPEN BRANCH FROM BUS 242732 TO BUS 360490 CKT Z1	/ 242732 05NBRSTL 138 360490 4NBRISTOL VA 138
Z1	
END	
CONTINGENCY '7389_B2_TOR17037_WOMOAB'	
OPEN BRANCH FROM BUS 243669 TO BUS 243678 CKT SR	/ 243669 05B SAND 138 243678 05BSANDX 138 SR
OPEN BRANCH FROM BUS 243669 TO BUS 243678 CKT ZB	/ 243669 05B SAND 138 243678 05BSANDX 138 ZB
OPEN BRANCH FROM BUS 243678 TO BUS 243679 CKT 1	/ 243678 05BSANDX 138 243679 05BUSSYV 138 1
OPEN BRANCH FROM BUS 243679 TO BUS 243702 CKT 1	/ 243679 05BUSSYV 138 243702 05THELMA 138 1
OPEN BRANCH FROM BUS 243702 TO BUS 246971 CKT 1	/ 243702 05THELMA 138 246971 05THELM2 69.0 1
OPEN BRANCH FROM BUS 243679 TO BUS 244663 CKT Z1	/ 243679 05BUSSYV 138 244663 BUSEYV L 34.5 Z1
OPEN BRANCH FROM BUS 246971 TO BUS 342343 CKT 1	/ 246971 05THELM2 69.0 342343 2THELMA 69.0 1
OPEN BRANCH FROM BUS 246971 TO BUS 246970 CKT 1	/ 246971 05THELM2 69.0 246970 MAYOTRL 69.0 1
END	
CONTINGENCY '8309_B2_TOR18078_WOMOAB'	
OPEN BRANCH FROM BUS 242996 TO BUS 247034 CKT 1	/ 242996 05EMERA8 138 247034 05EMERSS 138 1
OPEN BRANCH FROM BUS 247034 TO BUS 246946 CKT 1	/ 247034 05EMERSS 138 246946 05WLDCA 138 1
OPEN BRANCH FROM BUS 247034 TO BUS 324267 CKT 1	/ 247034 05EMERSS 138 324267 4KENTON 138 1
OPEN BRANCH FROM BUS 242996 TO BUS 244935 CKT 1	/ 242996 05EMERA8 138 244935 EMERA8 L 12.0 1
END	
CONTINGENCY '1375_B3'	
OPEN BRANCH FROM BUS 242511 TO BUS 242518 CKT 4	/ 242511 05BROADF 765 242518 05BROADF 500 4
OPEN BRANCH FROM BUS 242518 TO BUS 360106 CKT 1	/ 242518 05BROADF 500 360106 8SULLIVAN TN 500 1
END	
CONTINGENCY '1383_B3'	
OPEN BRANCH FROM BUS 242521 TO BUS 242532 CKT 5	/ 242521 05NAGEL 500 242532 05NAGEL 230 5
OPEN BRANCH FROM BUS 242532 TO BUS 304781 CKT 1	/ 242532 05NAGEL 230 304781 6CANERV230 T 230 1
END	
CONTINGENCY '48_B3_05CORRID 345-1'	
OPEN BRANCH FROM BUS 243456 TO BUS 243462 CKT 1	/ 243456 05CORRID 345 243462 05CORRBR 242 1
OPEN BRANCH FROM BUS 243456 TO BUS 243491 CKT 1	/ 243456 05CORRID 345 243491 05CORRID 138 1
OPEN BRANCH FROM BUS 243462 TO BUS 243491 CKT 1	/ 243462 05CORRBR 242 243491 05CORRID 138 1
END	
CONTINGENCY '6990_B3_05GRNTWN 765-1'	
OPEN BRANCH FROM BUS 243207 TO BUS 249742 CKT 1	/ 243207 05GRNTWN 765 249742 08GRTOWN 138 1
OPEN BRANCH FROM BUS 243312 TO BUS 249742 CKT 1	/ 243312 05HUMMEL 138 249742 08GRTOWN 138 1
OPEN BRANCH FROM BUS 249742 TO BUS 247523 CKT Z1	/ 249742 08GRTOWN 138 247523 U4-039 C 138 Z1
OPEN BRANCH FROM BUS 247523 TO BUS 247927 CKT 1	/ 247523 U4-039 C 138 247927 U4-039 E 138 1
REMOVE UNIT 1C FROM BUS 247523	/ 247523 U4-039 C 138
REMOVE UNIT 1E FROM BUS 247927	/ 247927 U4-039 E 138
END	
CONTINGENCY '702_B3_05JEFRSO 765-1'	
OPEN BRANCH FROM BUS 243208 TO BUS 242865 CKT 1	/ 243208 05JEFRSO 765 242865 05JEFRSO 345 1
OPEN BRANCH FROM BUS 242865 TO BUS 248000 CKT Z1	/ 242865 05JEFRSO 345 248000 06CLIFTY 345 Z1
END	
CONTINGENCY '7262_B3_05LAPRT2 138-1'	
OPEN BRANCH FROM BUS 246336 TO BUS 243881 CKT 1	/ 246336 LAPORTEQ 999 243881 05LAPRT2 138 1
OPEN BRANCH FROM BUS 246336 TO BUS 246335 CKT 1	/ 246336 LAPORTEQ 999 246335 LAPORTE 69.0 1


```

OPEN BRANCH FROM BUS 246336 TO BUS 246337 CKT 1 / 246336 LAPORTEQ 999 246337 LAPRTEJC 34.5 1
OPEN BRANCH FROM BUS 243881 TO BUS 243882 CKT Z1 / 243881 05LAPRT2 138 243882 05LAPRT3 138 Z1
OPEN BRANCH FROM BUS 243881 TO BUS 255153 CKT 1 / 243881 05LAPRT2 138 255153 17MICH_CITY 138 1
OPEN BRANCH FROM BUS 246335 TO BUS 246472 CKT 1 / 246335 LAPORTE 69.0 246472 N.BUFFAL 69.0 1
OPEN BRANCH FROM BUS 246335 TO BUS 246359 CKT 1 / 246335 LAPORTE 69.0 246359 SPRINGVL 69.0 1
OPEN BRANCH FROM BUS 246358 TO BUS 246359 CKT 1 / 246358 SPRINGVI 69.0 246359 SPRINGVL 69.0 1
OPEN BRANCH FROM BUS 246337 TO BUS 246350 CKT 1 / 246337 LAPRTEJC 34.5 246350 ROLLINGP 34.5 1
END
CONTINGENCY '6109_B3_05MARQUI 345-2_WOMOAB'
OPEN BRANCH FROM BUS 242938 TO BUS 248005 CKT 1 / 242938 05MARQUI 345 248005 06KYGER 345 1
OPEN BRANCH FROM BUS 242938 TO BUS 243034 CKT 2 / 242938 05MARQUI 345 243034 05MARQUI 138 2
END
CONTINGENCY '6103_B3_05MARQUI 345-3_WOMOAB'
OPEN BRANCH FROM BUS 242938 TO BUS 248003 CKT 1 / 242938 05MARQUI 345 248003 06DOE530 345 1
OPEN BRANCH FROM BUS 242938 TO BUS 243034 CKT 3 / 242938 05MARQUI 345 243034 05MARQUI 138 3
END
CONTINGENCY '6190_B3_05SPORN 345-4_WOMOAB'
OPEN BRANCH FROM BUS 242528 TO BUS 248005 CKT 1 / 242528 05SPORN 345 248005 06KYGER 345 1
OPEN BRANCH FROM BUS 242528 TO BUS 242808 CKT 4 / 242528 05SPORN 345 242808 05SPORNS 138 4
END
CONTINGENCY 'LN 190'
/*OPEN BRANCH FROM BUS 243215 TO BUS 256019 CKT 2 /* 05COOK 345.00 - 18PALISD 345.00
OPEN BRANCH FROM BUS 243215 TO BUS 247502 CKT 2
OPEN BRANCH FROM BUS 247502 TO BUS 256019 CKT 1
OPEN BRANCH FROM BUS 247502 TO BUS 256019 CKT 2
OPEN BRANCH FROM BUS 314642 TO BUS 314643 CKT 1 /* 3NAGS HD 115.00 - 3O INLET 115.00
OPEN BUS 314643 /* ISLAND
END
CONTINGENCY '01HINTON-05HINTON'
DISCONNECT BRANCH FROM BUS 235345 TO BUS 242668 CKT ZB
END
CONTINGENCY '01WYLIE R-05TIDD'
DISCONNECT BRANCH FROM BUS 235707 TO BUS 242946 CKT 1
END
/*=====OVEC=====
CONTINGENCY '5103_B1_06CLIFTY 345-1'
REMOVE UNIT 1 FROM BUS 248000 / 248000 06CLIFTY 345
END
CONTINGENCY '5104_B1_06CLIFTY 345-2'
REMOVE UNIT 2 FROM BUS 248000 / 248000 06CLIFTY 345
END
CONTINGENCY '5105_B1_06CLIFTY 345-3'
REMOVE UNIT 3 FROM BUS 248000 / 248000 06CLIFTY 345
END
CONTINGENCY '5106_B1_06CLIFTY 345-4'
REMOVE UNIT 4 FROM BUS 248000 / 248000 06CLIFTY 345
END
CONTINGENCY '5107_B1_06CLIFTY 345-5'
REMOVE UNIT 5 FROM BUS 248000 / 248000 06CLIFTY 345
END
CONTINGENCY '5108_B1_06CLIFTY 345-6'
REMOVE UNIT 6 FROM BUS 248000 / 248000 06CLIFTY 345
END
CONTINGENCY '5098_B1_06KYGER 345-1'
REMOVE UNIT 1 FROM BUS 248005 / 248005 06KYGER 345
END
CONTINGENCY '5099_B1_06KYGER 345-2'
REMOVE UNIT 2 FROM BUS 248005 / 248005 06KYGER 345
END
CONTINGENCY '5100_B1_06KYGER 345-3'
REMOVE UNIT 3 FROM BUS 248005 / 248005 06KYGER 345

```

```

END
CONTINGENCY '5101_B1_06KYGER 345-4'
  REMOVE UNIT 4 FROM BUS 248005                / 248005 06KYGER 345
END
CONTINGENCY '5102_B1_06KYGER 345-5'
  REMOVE UNIT 5 FROM BUS 248005                / 248005 06KYGER 345
END
CONTINGENCY '1356_B2'
  OPEN BRANCH FROM BUS 248000 TO BUS 248001 CKT 1      / 248000 06CLIFTY 345 248001 06DEARB1 345 1
END
CONTINGENCY '1357_B2'
  OPEN BRANCH FROM BUS 248000 TO BUS 248002 CKT 2      / 248000 06CLIFTY 345 248002 06DEARB2 345 2
END
CONTINGENCY '4824_B2'
  OPEN BRANCH FROM BUS 248000 TO BUS 248013 CKT 1      / 248000 06CLIFTY 345 248013 06PIERCE 345 1
END
CONTINGENCY '4825_B2'
  OPEN BRANCH FROM BUS 248000 TO BUS 248013 CKT 2      / 248000 06CLIFTY 345 248013 06PIERCE 345 2
END
CONTINGENCY '1358_B2'
  OPEN BRANCH FROM BUS 248001 TO BUS 248013 CKT 1      / 248001 06DEARB1 345 248013 06PIERCE 345 1
END
CONTINGENCY '4820_B2'
  OPEN BRANCH FROM BUS 248003 TO BUS 248005 CKT 1      / 248003 06DOE530 345 248005 06KYGER 345 1
END
CONTINGENCY '4821_B2'
  OPEN BRANCH FROM BUS 248003 TO BUS 248005 CKT 2      / 248003 06DOE530 345 248005 06KYGER 345 2
END
CONTINGENCY '4826_B2'
  OPEN BRANCH FROM BUS 248003 TO BUS 248013 CKT 1      / 248003 06DOE530 345 248013 06PIERCE 345 1
END
CONTINGENCY '4827_B2'
  OPEN BRANCH FROM BUS 248003 TO BUS 248013 CKT 2      / 248003 06DOE530 345 248013 06PIERCE 345 2
END
CONTINGENCY '6113_B2'
  OPEN BRANCH FROM BUS 248005 TO BUS 248013 CKT 1      / 248005 06KYGER 345 248013 06PIERCE 345 1
END
CONTINGENCY '248000 06CLIFTY 345'
  REMOVE MACHINE 1 FROM BUS 248000                // PMAX=198.0 MW / PGEN=227.6 MW
  REMOVE MACHINE 2 FROM BUS 248000                // PMAX=198.0 MW / PGEN=227.6 MW
  REMOVE MACHINE 3 FROM BUS 248000                // PMAX=198.0 MW / PGEN=227.6 MW
  REMOVE MACHINE 4 FROM BUS 248000                // PMAX=198.0 MW / PGEN=227.6 MW
  REMOVE MACHINE 5 FROM BUS 248000                // PMAX=198.0 MW / PGEN=227.6 MW
  REMOVE MACHINE 6 FROM BUS 248000                // PMAX=198.0 MW / PGEN=227.6 MW
END
CONTINGENCY '248005 06KYGER 345'
  REMOVE MACHINE 1 FROM BUS 248005                // PMAX=197.0 MW / PGEN=228.1 MW
  REMOVE MACHINE 2 FROM BUS 248005                // PMAX=196.0 MW / PGEN=227.0 MW
  REMOVE MACHINE 3 FROM BUS 248005                // PMAX=196.0 MW / PGEN=227.0 MW
  REMOVE MACHINE 4 FROM BUS 248005                // PMAX=196.0 MW / PGEN=227.0 MW
  REMOVE MACHINE 5 FROM BUS 248005                // PMAX=196.0 MW / PGEN=227.0 MW
END
/*=====OVEC TIES=====
CONTINGENCY '8468_B2'
  OPEN BRANCH FROM BUS 242528 TO BUS 248005 CKT 2      / 242528 05SPORN 345 248005 06KYGER 345 2
END
CONTINGENCY '349_B2_TOR21'
  OPEN BRANCH FROM BUS 242528 TO BUS 248005 CKT 1      / 242528 05SPORN 345 248005 06KYGER 345 1
END
CONTINGENCY '782_B2_TOR560'
  OPEN BRANCH FROM BUS 242938 TO BUS 248003 CKT 1      / 242938 05MARQUI 345 248003 06DOE530 345 1

```

```
END
CONTINGENCY '6114_B2_TOR561'
  OPEN BRANCH FROM BUS 242938 TO BUS 248005 CKT 1          / 242938 05MARQUI 345 248005 06KYGER 345 1
END
CONTINGENCY '2811_B2_TOR2531'
  OPEN BRANCH FROM BUS 243233 TO BUS 248001 CKT Z1        / 243233 05TANNER 345 248001 06DEARB1 345 Z1
  OPEN BRANCH FROM BUS 243233 TO BUS 249565 CKT 1        / 243233 05TANNER 345 249565 08EBEND 345 1
  OPEN BRANCH FROM BUS 248000 TO BUS 248001 CKT 1        / 248000 06CLIFTY 345 248001 06DEARB1 345 1
  OPEN BRANCH FROM BUS 248001 TO BUS 248013 CKT 1        / 248001 06DEARB1 345 248013 06PIERCE 345 1
END
CONTINGENCY '247_B3_06CLIFTY 345-1A'
  OPEN BRANCH FROM BUS 248000 TO BUS 248008 CKT 1A      / 248000 06CLIFTY 345 248008 06CLIFTX 138 1A
  OPEN BRANCH FROM BUS 248000 TO BUS 248008 CKT 1B      / 248000 06CLIFTY 345 248008 06CLIFTX 138 1B
  OPEN BRANCH FROM BUS 248008 TO BUS 248009 CKT SR      / 248008 06CLIFTX 138 248009 06CLIFTY 138 SR
  OPEN BRANCH FROM BUS 248008 TO BUS 248009 CKT ZB      / 248008 06CLIFTX 138 248009 06CLIFTY 138 ZB
  OPEN BRANCH FROM BUS 248009 TO BUS 250057 CKT 1      / 248009 06CLIFTY 138 250057 08M.FORT 138 1
  OPEN BRANCH FROM BUS 248009 TO BUS 324227 CKT 1      / 248009 06CLIFTY 138 324227 4CARROLT 138 1
  OPEN BRANCH FROM BUS 248009 TO BUS 324289 CKT 1      / 248009 06CLIFTY 138 324289 4NORTHSD 138 1
END
CONTINGENCY 'B2 BUFFINGTON-DEARBORN-CLIFTY 4519'
  OPEN BRANCH FROM BUS 248002 TO BUS 249564 CKT 1      / 248002 06DEARB2 345 249564 08BUFTN1 345 1
  OPEN BRANCH FROM BUS 248000 TO BUS 248002 CKT 2      / 248000 06CLIFTY 345 248002 06DEARB2 345 2
END
/*=====DAY=====
CONTINGENCY 'DAY_1'
  OPEN BRANCH FROM BUS 253251 TO BUS 253249 CKT 1
END
CONTINGENCY 'DAY_2'
  OPEN BRANCH FROM BUS 253006 TO BUS 253005 CKT 2
END
CONTINGENCY 'DAY_3'
  OPEN BRANCH FROM BUS 253089 TO BUS 253139 CKT 1
END
CONTINGENCY 'DAY_4'
  OPEN BRANCH FROM BUS 253083 TO BUS 253082 CKT 2
END
CONTINGENCY 'DAY_5'
  OPEN BRANCH FROM BUS 253089 TO BUS 253090 CKT 2
END
CONTINGENCY 'DAY_6'
  OPEN BRANCH FROM BUS 253089 TO BUS 253088 CKT 2
END
CONTINGENCY 'DAY_7'
  OPEN BRANCH FROM BUS 253248 TO BUS 253027 CKT 1
END
CONTINGENCY 'DAY_8'
  OPEN BRANCH FROM BUS 253248 TO BUS 253252 CKT 1
END
CONTINGENCY 'DAY_9'
  OPEN BRANCH FROM BUS 253014 TO BUS 253013 CKT 2
END
CONTINGENCY 'DAY_10'
  OPEN BRANCH FROM BUS 253250 TO BUS 253142 CKT 1
END
CONTINGENCY 'DAY_11'
  OPEN BRANCH FROM BUS 253055 TO BUS 253054 CKT 1
END
CONTINGENCY '889_B2'
  OPEN BRANCH FROM BUS 253100 TO BUS 253077 CKT 1      / 253100 09ATLNTA 345 253077 09STUART 345 1
END
CONTINGENCY '890_B2'
```

OPEN BRANCH FROM BUS 253006 TO BUS 253027 CKT 1 END	/ 253006 09BATH 345 253027 09GREENE 345 1
CONTINGENCY '891_B2'	
OPEN BRANCH FROM BUS 253006 TO BUS 253047 CKT 1 END	/ 253006 09BATH 345 253047 09MIAMI 345 1
CONTINGENCY '892_B2'	
OPEN BRANCH FROM BUS 253014 TO BUS 253077 CKT 1 END	/ 253014 09CLINTO 345 253077 09STUART 345 1
CONTINGENCY '893_B2'	
OPEN BRANCH FROM BUS 253027 TO BUS 253079 CKT 1 END	/ 253027 09GREENE 345 253079 09SUGRCK 345 1
CONTINGENCY '894_B2'	
OPEN BRANCH FROM BUS 253038 TO BUS 253077 CKT 1 END	/ 253038 09KILLEN 345 253077 09STUART 345 1
CONTINGENCY '895_B2'	
OPEN BRANCH FROM BUS 253047 TO BUS 253069 CKT 1 END	/ 253047 09MIAMI 345 253069 09SHELBY 345 1
CONTINGENCY '1339_B3'	
OPEN BRANCH FROM BUS 253100 TO BUS 253099 CKT 1 END	/ 253100 09ATLNTA 345 253099 09ATLNTA 69.0 1
CONTINGENCY '1340_B3'	
OPEN BRANCH FROM BUS 253014 TO BUS 253013 CKT 1 END	/ 253014 09CLINTO 345 253013 09CLINTO 69.0 1
CONTINGENCY '160_B3'	
OPEN BRANCH FROM BUS 253110 TO BUS 253100 CKT 1	/ 253110 09ADKINS 345 253100 09ATLNTA 345 1
OPEN BRANCH FROM BUS 253100 TO BUS 253099 CKT 1 END	/ 253100 09ATLNTA 345 253099 09ATLNTA 69.0 1
CONTINGENCY '161_B3'	
OPEN BRANCH FROM BUS 253014 TO BUS 253027 CKT 1	/ 253014 09CLINTO 345 253027 09GREENE 345 1
OPEN BRANCH FROM BUS 253014 TO BUS 253013 CKT 1 END	/ 253014 09CLINTO 345 253013 09CLINTO 69.0 1
CONTINGENCY '896_B3'	
OPEN BRANCH FROM BUS 253027 TO BUS 253026 CKT 1 END	/ 253027 09GREENE 345 253026 09GREENE 138 1
CONTINGENCY '897_B3'	
OPEN BRANCH FROM BUS 253027 TO BUS 253026 CKT 2 END	/ 253027 09GREENE 345 253026 09GREENE 138 2
CONTINGENCY '898_B3'	
OPEN BRANCH FROM BUS 253069 TO BUS 253068 CKT 1 END	/ 253069 09SHELBY 345 253068 09SHELBY 138 1
CONTINGENCY '1338_B3'	
OPEN BRANCH FROM BUS 253090 TO BUS 253089 CKT 1 END	/ 253090 09WMILT N 345 253089 09WMILT N 138 1
CONTINGENCY '899_B3'	
OPEN BRANCH FROM BUS 253029 TO BUS 253028 CKT 1 END	/ 253029 09GRNVIL 138 253028 09GRNVIL 69.0 1
CONTINGENCY '898_B3_2ND_XFMR'	
OPEN BRANCH FROM BUS 253069 TO BUS 253068 CKT 2 END	/ 253069 09SHELBY 345 253068 09SHELBY 138 1
CONTINGENCY 'OUTAGE_17'	
DISCONNECT BRANCH FROM BUS 253047 TO BUS 253090 CKT 1	
DISCONNECT BRANCH FROM BUS 253090 TO BUS 253089 CKT 1 END	
CONTINGENCY 'OUTAGE_20'	
DISCONNECT BRANCH FROM BUS 253047 TO BUS 253090 CKT 1 END	
CONTINGENCY 'OUTAGE_22'	
DISCONNECT BRANCH FROM BUS 253006 TO BUS 253005 CKT 1 END	
CONTINGENCY 'OUTAGE_26'	
DISCONNECT BRANCH FROM BUS 253047 TO BUS 253046 CKT 1	

```
/*DECREASE BUS 253046 SHUNT BY 100 PERCENT
/*DISCONNECT BRANCH FROM BUS 253046 TO BUS 26003 CKT 2      /* 26003 CKT 2 MAYBE 253045 CKT 1 (09MIAMI)
  DISCONNECT BRANCH FROM BUS 253046 TO BUS 253045 CKT 1
END
CONTINGENCY 'OUTAGE_28'
  DISCONNECT BRANCH FROM BUS 253077 TO BUS 253076 CKT 1
END
CONTINGENCY 'OUTAGE_29'
  DISCONNECT BRANCH FROM BUS 253079 TO BUS 253078 CKT 1
END
CONTINGENCY 'OUTAGE_30'
  DISCONNECT BRANCH FROM BUS 253079 TO BUS 253078 CKT 2
END
CONTINGENCY 'OUTAGE_03A'
  DISCONNECT BRANCH FROM BUS 253057 TO BUS 253078 CKT 1
END
CONTINGENCY 'OUTAGE_04A'
  DISCONNECT BRANCH FROM BUS 253078 TO BUS 253007 CKT 1
END
CONTINGENCY 'OUTAGE_05A'
  DISCONNECT BRANCH FROM BUS 253046 TO BUS 253089 CKT 1
END
CONTINGENCY 'OUTAGE_06A'
  DISCONNECT BRANCH FROM BUS 253057 TO BUS 253017 CKT 1
  DISCONNECT BRANCH FROM BUS 253017 TO BUS 253133 CKT 1
END
CONTINGENCY 'OUTAGE_08A'
  DISCONNECT BRANCH FROM BUS 253005 TO BUS 253083 CKT 1
END
CONTINGENCY 'OUTAGE_09A_A'
  DISCONNECT BRANCH FROM BUS 253021 TO BUS 253245 CKT 1
  DISCONNECT BRANCH FROM BUS 253245 TO BUS 253044 CKT 1
  DISCONNECT BRANCH FROM BUS 253044 TO BUS 296486 CKT 1      / BUS 253025 -> 296486. R52.
/*DISCONNECT BRANCH FROM BUS 253025 TO BUS 253085 CKT 1
END
CONTINGENCY 'OUTAGE_09A_B'
/*DISCONNECT BRANCH FROM BUS 253021 TO BUS 253044 CKT 1
  DISCONNECT BRANCH FROM BUS 296486 TO BUS 253025 CKT 1      / BUS 253044 -> 296486. R52.
  DISCONNECT BRANCH FROM BUS 253025 TO BUS 253085 CKT 1
END
CONTINGENCY 'OUTAGE_11A'
  DISCONNECT BRANCH FROM BUS 253026 TO BUS 253083 CKT 1
END
CONTINGENCY 'OUTAGE_12A'
  DISCONNECT BRANCH FROM BUS 253026 TO BUS 253002 CKT 1
  DISCONNECT BRANCH FROM BUS 253002 TO BUS 253001 CKT 1
END
CONTINGENCY 'OUTAGE_13A'
  DISCONNECT BRANCH FROM BUS 253026 TO BUS 253062 CKT 1
  DISCONNECT BRANCH FROM BUS 253062 TO BUS 253049 CKT 1
END
CONTINGENCY 'OUTAGE_16A'
  DISCONNECT BRANCH FROM BUS 253049 TO BUS 253095 CKT 1
END
CONTINGENCY 'OUTAGE_17A'
  DISCONNECT BRANCH FROM BUS 253049 TO BUS 253093 CKT 1
END
CONTINGENCY 'OUTAGE_18A'
  DISCONNECT BRANCH FROM BUS 253046 TO BUS 253056 CKT 1
END
CONTINGENCY 'OUTAGE_19A'
```

```
DISCONNECT BRANCH FROM BUS 253026 TO BUS 253107 CKT 1
END
CONTINGENCY 'OUTAGE_20A' /REPLACEMENT FOR OUTAGE 20A, WITH DETAILED TOPOLOGY.
DISCONNECT BRANCH FROM BUS 253112 TO BUS 253078 CKT 1
DISCONNECT BRANCH FROM BUS 253112 TO BUS 253055 CKT 1
DISCONNECT BRANCH FROM BUS 253112 TO BUS 253012 CKT 1
DECREASE BUS 253078 SHUNT BY 100 PERCENT
END
CONTINGENCY 'OUTAGE_21A'
DISCONNECT BRANCH FROM BUS 253012 TO BUS 253034 CKT 1
DISCONNECT BRANCH FROM BUS 253034 TO BUS 253033 CKT 1
END
CONTINGENCY 'OUTAGE_22C'
DISCONNECT BRANCH FROM BUS 253139 TO BUS 253031 CKT 1
DISCONNECT BRANCH FROM BUS 253031 TO BUS 253072 CKT 1
DISCONNECT BRANCH FROM BUS 253072 TO BUS 253071 CKT 1
END
CONTINGENCY 'OUTAGE_23A'
DISCONNECT BRANCH FROM BUS 253093 TO BUS 253010 CKT 1
DISCONNECT BRANCH FROM BUS 253010 TO BUS 253053 CKT 1
END
CONTINGENCY 'OUTAGE_24A'
DISCONNECT BRANCH FROM BUS 253068 TO BUS 253071 CKT 1
DECREASE BUS 253068 SHUNT BY 50 PERCENT
END
CONTINGENCY 'OUTAGE_25A'
DISCONNECT BRANCH FROM BUS 253068 TO BUS 253150 CKT 1
DISCONNECT BRANCH FROM BUS 253150 TO BUS 253004 CKT 1
DISCONNECT BRANCH FROM BUS 253004 TO BUS 253003 CKT 1
END
CONTINGENCY 'OUTAGE_28A'
DISCONNECT BRANCH FROM BUS 253068 TO BUS 253024 CKT 1
DISCONNECT BRANCH FROM BUS 253024 TO BUS 253065 CKT 1
DISCONNECT BRANCH FROM BUS 253065 TO BUS 253042 CKT 1
DISCONNECT BRANCH FROM BUS 253042 TO BUS 253041 CKT 1
END
CONTINGENCY 'OUTAGE_29A'
DISCONNECT BRANCH FROM BUS 253005 TO BUS 253106 CKT 1
END
CONTINGENCY 'OUTAGE_31AA'
DISCONNECT BRANCH FROM BUS 253107 TO BUS 253007 CKT 1
END
CONTINGENCY 'OUTAGE_32A_B'
DISCONNECT BRANCH FROM BUS 253089 TO BUS 253029 CKT 1
DISCONNECT BRANCH FROM BUS 253029 TO BUS 253028 CKT 1
END
CONTINGENCY 'OUTAGE_34A'
DISCONNECT BRANCH FROM BUS 253046 TO BUS 253074 CKT 1
DISCONNECT BRANCH FROM BUS 253074 TO BUS 253139 CKT 1
DISCONNECT BRANCH FROM BUS 253074 TO BUS 253098 CKT 1
DISCONNECT BRANCH FROM BUS 253098 TO BUS 253075 CKT 1
END
CONTINGENCY 'OUTAGE_36A'
DISCONNECT BRANCH FROM BUS 253046 TO BUS 253106 CKT 1
END
CONTINGENCY 'OUTAGE_37A'
DISCONNECT BRANCH FROM BUS 253053 TO BUS 253011 CKT 1
DISCONNECT BRANCH FROM BUS 253011 TO BUS 253056 CKT 1
END
CONTINGENCY 'OUTAGE_38A'
DISCONNECT BRANCH FROM BUS 253040 TO BUS 253063 CKT 1
```

```
DISCONNECT BRANCH FROM BUS 253063 TO BUS 253050 CKT 1
DISCONNECT BRANCH FROM BUS 253063 TO BUS 253061 CKT 1
END
CONTINGENCY 'OUTAGE_39A'
DISCONNECT BRANCH FROM BUS 253026 TO BUS 253040 CKT 1
END
CONTINGENCY 'OUTAGE_40A'
DISCONNECT BRANCH FROM BUS 253050 TO BUS 253093 CKT 1
END
CONTINGENCY 'OUTAGE_41A'
DISCONNECT BRANCH FROM BUS 253005 TO BUS 253085 CKT 1
END
CONTINGENCY 'OUTAGE_42A'
DISCONNECT BRANCH FROM BUS 253050 TO BUS 253096 CKT 1
END
CONTINGENCY 'OUTAGE_45A'
DISCONNECT BRANCH FROM BUS 253002 TO BUS 253001 CKT 1
END
CONTINGENCY 'OUTAGE_48A'
DISCONNECT BRANCH FROM BUS 253005 TO BUS 253103 CKT 1
END
CONTINGENCY 'OUTAGE_49A'
DISCONNECT BRANCH FROM BUS 253101 TO BUS 253009 CKT 1
DECREASE BUS 253009 SHUNT BY 100 PERCENT
END
CONTINGENCY 'OUTAGE_50A'
DISCONNECT BRANCH FROM BUS 253057 TO BUS 253017 CKT 1
/*DECREASE BUS 253017 SHUNT BY 100 PERCENT          /NO SHUNT AT BUS 253017.
END
CONTINGENCY 'OUTAGE_51A'
DISCONNECT BRANCH FROM BUS 253021 TO BUS 253020 CKT 1
DECREASE BUS 253020 SHUNT BY 100 PERCENT
END
CONTINGENCY 'OUTAGE_52A'
DISCONNECT BRANCH FROM BUS 253032 TO BUS 253139 CKT 1
END
CONTINGENCY 'OUTAGE_55A'
DISCONNECT BRANCH FROM BUS 253057 TO BUS 253058 CKT 1
END
CONTINGENCY 'OUTAGE_56A'
DISCONNECT BRANCH FROM BUS 253042 TO BUS 253041 CKT 1
END
CONTINGENCY 'OUTAGE_57A'
DISCONNECT BRANCH FROM BUS 253046 TO BUS 253045 CKT 1
END
CONTINGENCY 'OUTAGE_58A'
DISCONNECT BRANCH FROM BUS 253106 TO BUS 253052 CKT 1
END
CONTINGENCY 'OUTAGE_59A'
DISCONNECT BRANCH FROM BUS 253063 TO BUS 253061 CKT 1
END
CONTINGENCY 'OUTAGE_60A'
DISCONNECT BRANCH FROM BUS 253071 TO BUS 253070 CKT 1
END
CONTINGENCY 'OUTAGE_61A'
DISCONNECT BRANCH FROM BUS 253098 TO BUS 253075 CKT 1
END
CONTINGENCY 'OUTAGE_63A'
DISCONNECT BRANCH FROM BUS 253083 TO BUS 253005 CKT 1
DISCONNECT BRANCH FROM BUS 253083 TO BUS 253026 CKT 1
DISCONNECT BRANCH FROM BUS 253083 TO BUS 253082 CKT 1
```

```

END
CONTINGENCY 'OUTAGE_64A'
  DISCONNECT BRANCH FROM BUS 253085 TO BUS 253084 CKT 1
END
CONTINGENCY 'OUTAGE_02AB'
  DISCONNECT BRANCH FROM BUS 253111 TO BUS 253057 CKT 1
END
CONTINGENCY '09KILLEN'
  REMOVE MACHINE 2 FROM BUS 253038
END
CONTINGENCY '09STUART_1'
  REMOVE MACHINE 1 FROM BUS 253077
END
CONTINGENCY '09STUART_2'
  REMOVE MACHINE 2 FROM BUS 253077
END
CONTINGENCY '09STUART_3'
  REMOVE MACHINE 3 FROM BUS 253077
END
CONTINGENCY '09STUART_4'
  REMOVE MACHINE 4 FROM BUS 253077
END
CONTINGENCY '253028 09GRNVIL 69'
  REMOVE MACHINE 1 FROM BUS 253028          // PMAX=51.4 MW / PGEN=49.7 MW
  REMOVE MACHINE 2 FROM BUS 253028          // PMAX=50.5 MW / PGEN=48.9 MW
  REMOVE MACHINE 3 FROM BUS 253028          // PMAX=50.5 MW / PGEN=48.9 MW
  REMOVE MACHINE 4 FROM BUS 253028          // PMAX=50.5 MW / PGEN=48.9 MW
END
CONTINGENCY '253097 09YANKEE 69'
  REMOVE MACHINE 1 FROM BUS 253097          // PMAX=16.0 MW / PGEN=15.5 MW
  REMOVE MACHINE 2 FROM BUS 253097          // PMAX=16.5 MW / PGEN=16.0 MW
  REMOVE MACHINE 3 FROM BUS 253097          // PMAX=16.0 MW / PGEN=15.5 MW
  REMOVE MACHINE 4 FROM BUS 253097          // PMAX=13.0 MW / PGEN=12.6 MW
  REMOVE MACHINE 5 FROM BUS 253097          // PMAX=13.0 MW / PGEN=12.6 MW
  REMOVE MACHINE 6 FROM BUS 253097          // PMAX=13.0 MW / PGEN=12.6 MW
  REMOVE MACHINE 7 FROM BUS 253097          // PMAX=13.0 MW / PGEN=12.6 MW
END
CONTINGENCY '253222 09TAIT E 69'
  REMOVE MACHINE 1 FROM BUS 253222          // PMAX=87.0 MW / PGEN=84.2 MW
  REMOVE MACHINE 2 FROM BUS 253222          // PMAX=89.0 MW / PGEN=86.1 MW
  REMOVE MACHINE 4 FROM BUS 253222          // PMAX=79.0 MW / PGEN=76.4 MW
  REMOVE MACHINE 6 FROM BUS 253222          // PMAX=80.0 MW / PGEN=77.4 MW
END
CONTINGENCY '253223 09TAIT W 69'
  REMOVE MACHINE 3 FROM BUS 253223          // PMAX=80.0 MW / PGEN=77.4 MW
  REMOVE MACHINE 5 FROM BUS 253223          // PMAX=80.0 MW / PGEN=77.4 MW
  REMOVE MACHINE 7 FROM BUS 253223          // PMAX=81.0 MW / PGEN=78.4 MW
END
CONTINGENCY '292544 T-154 69'
  REMOVE MACHINE 1 FROM BUS 292544          // PMAX=10.0 MW / PGEN=9.7 MW
END
CONTINGENCY '894753 V3-045 34.5'
  REMOVE MACHINE 1 FROM BUS 894753          // PMAX=37.3 MW / PGEN=36.1 MW
END
CONTINGENCY '894754 V3-045 34.5'
  REMOVE MACHINE 1 FROM BUS 894754          // PMAX=37.3 MW / PGEN=36.1 MW
END
CONTINGENCY '894755 V3-045 34.5'
  REMOVE MACHINE 1 FROM BUS 894755          // PMAX=37.4 MW / PGEN=36.2 MW
END
CONTINGENCY '902531 W2-040C 69'

```



```

REMOVE MACHINE 1 FROM BUS 902531          // PMA=7.6 MW / PGEN=7.4 MW
END
CONTINGENCY '904721 V4-073C 69'
REMOVE MACHINE 1 FROM BUS 904721          // PMA=0.9 MW / PGEN=0.9 MW
END
CONTINGENCY '910511 X3-002 C 69'
REMOVE MACHINE 1 FROM BUS 910511          // PMA=1.3 MW / PGEN=1.2 MW
END
CONTINGENCY '253038 09KILLEN 345'
REMOVE MACHINE 2 FROM BUS 253038          // PMA=612.0 MW / PGEN=592.2 MW
REMOVE MACHINE 3 FROM BUS 253038          // PMA=18.0 MW / PGEN=17.4 MW
END
CONTINGENCY '253060 09OHH W. 69'
REMOVE MACHINE 5 FROM BUS 253060          // PMA=58.0 MW / PGEN=0.0 MW
REMOVE MACHINE 6 FROM BUS 253060          // PMA=58.0 MW / PGEN=0.0 MW
REMOVE MACHINE 7 FROM BUS 253060          // PMA=23.0 MW / PGEN=22.3 MW
END
CONTINGENCY '253110 09ADKINS 345'
REMOVE MACHINE 1 FROM BUS 253110          // PMA=77.0 MW / PGEN=74.5 MW
REMOVE MACHINE 2 FROM BUS 253110          // PMA=76.0 MW / PGEN=73.5 MW
REMOVE MACHINE 3 FROM BUS 253110          // PMA=76.0 MW / PGEN=73.5 MW
REMOVE MACHINE 4 FROM BUS 253110          // PMA=75.0 MW / PGEN=72.6 MW
REMOVE MACHINE 5 FROM BUS 253110          // PMA=77.0 MW / PGEN=74.5 MW
REMOVE MACHINE 6 FROM BUS 253110          // PMA=75.0 MW / PGEN=72.6 MW
END
CONTINGENCY '09STUART'
REMOVE MACHINE 5 FROM BUS 253077
END
CONTINGENCY '09MON D'
REMOVE MACHINE 1 FROM BUS 253261
END
CONTINGENCY '09TAIT D'
REMOVE MACHINE 8 FROM BUS 253263
END
CONTINGENCY '09SID D'
REMOVE MACHINE 1 FROM BUS 253265
END
/*=====DAY TIES=====
CONTINGENCY 'OUTAGE_25'
DISCONNECT BRANCH FROM BUS 253027 TO BUS 253026 CKT 2
/*DECREASE BUS 253026 SHUNT BY 100 PERCENT
/*DISCONNECT BRANCH FROM BUS 253026 TO BUS 26002 CKT 1      /* 26002 MAYBE 02CLARK (238623).
DISCONNECT BRANCH FROM BUS 253026 TO BUS 238623 CKT 1
END
CONTINGENCY 'OUTAGE_07A'
DISCONNECT BRANCH FROM BUS 253026 TO BUS 238623 CKT 1
END
CONTINGENCY 'OUTAGE_26A'
DISCONNECT BRANCH FROM BUS 253085 TO BUS 238623 CKT 1
END
CONTINGENCY 'OUTAGE_27B'
DISCONNECT BRANCH FROM BUS 238861 TO BUS 253101 CKT 1
DISCONNECT BRANCH FROM BUS 253101 TO BUS 253009 CKT 1
END
CONTINGENCY '8080_B2'
OPEN BRANCH FROM BUS 242939 TO BUS 253251 CKT 1          / 242939 05MARYSV 345 253251 09DAYMRY 345 1
END
CONTINGENCY '765_B2'
OPEN BRANCH FROM BUS 242945 TO BUS 253069 CKT 1          / 242945 05SW LIM 345 253069 09SHELBY 345 1
END
CONTINGENCY '8092_B2'

```

```

OPEN BRANCH FROM BUS 243319 TO BUS 253250 CKT 1      / 243319 05JAY 138 253250 09FTRECV 138 1
END
CONTINGENCY '5891_B2_TOR607'
OPEN BRANCH FROM BUS 243019 TO BUS 253111 CKT 1      / 243019 05HILLSB 138 253111 09MIDDLE 138 1
OPEN BRANCH FROM BUS 253111 TO BUS 253057 CKT 1      / 253111 09MIDDLE 138 253057 09OHH 138 1
END
CONTINGENCY '5784_B2_TOR654'
OPEN BRANCH FROM BUS 243498 TO BUS 253021 CKT 1      / 243498 05DLAWAR 138 253021 09DARBY 138 1
END
CONTINGENCY '762_B2_TOR8072'
OPEN BRANCH FROM BUS 243453 TO BUS 253110 CKT 1      / 243453 05BEATTY 345 253110 09ADKINS 345 1
END
CONTINGENCY '764_B2_TOR9237'
OPEN BRANCH FROM BUS 242938 TO BUS 253038 CKT 1      / 242938 05MARQUI 345 253038 09KILLEN 345 1
END
CONTINGENCY '8091_B2_TOR13800553'
OPEN BRANCH FROM BUS 243453 TO BUS 253248 CKT 1      / 243453 05BEATTY 345 253248 09SCHARL 345 1
END
CONTINGENCY 'B2 MELDAHL 345-AMP MELDAHL 138 LINE-A'
/*INSERTED DUE TO MELDAHL GENERATION
OPEN BRANCH FROM BUS 250145 TO BUS 894752 CKT 1      / 250145 08MELDAL 138 250154 08MELDLS 138 1
OPEN BRANCH FROM BUS 249581 TO BUS 250145 CKT 1      / 249581 08MELDAL 345 250145 08MELDAL 138 1
OPEN BRANCH FROM BUS 894752 TO BUS 894753 CKT 1      / 250154 08MELDLS 138 251970 08MELDL1 13.8 1
OPEN BRANCH FROM BUS 894752 TO BUS 894754 CKT 2      / 250154 08MELDLS 138 251971 08MELDL2 13.8 1
OPEN BRANCH FROM BUS 894752 TO BUS 894755 CKT 3      / 250154 08MELDLS 138 251972 08MELDL3 13.8 1
END
/*=====DEO&K=====
CONTINGENCY 'B2 FOSTER-HILLCREST 34569'
OPEN BRANCH FROM BUS 249566 TO BUS 249578 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 FOSTER-PORT UNION 4508'
OPEN BRANCH FROM BUS 249566 TO BUS 249570 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 PORT UNION-ZIMMER 4544'
OPEN BRANCH FROM BUS 249570 TO BUS 249577 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 RED BANK-SG-ZIMMER 4545'
OPEN BRANCH FROM BUS 249573 TO BUS 249577 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249573 TO BUS 250097 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249571 TO BUS 249573 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 ZIMMER-SPURLOCK 4541-A'
OPEN BRANCH FROM BUS 249577 TO BUS 249581 CKT 1
END
CONTINGENCY 'B2 MELDAHL 345-AMP MELDAHL 138 LINE'
OPEN BUS 250145
/*OPEN BUS 250154 - REPLACED BY DAYTON BUS - SUPERFLUOUS EITHER WAY
END
CONTINGENCY 'B2 RED BANK-TERMINAL 4546'
OPEN BRANCH FROM BUS 249571 TO BUS 249575 CKT 1      /* -CKT ID FIXED
/*OPEN BRANCH FROM BUS 249571 TO BUS 250092 CKT 1      /* -CKT ID FIXED
/*OPEN BRANCH FROM BUS 249571 TO BUS 249573 CKT 1
END
CONTINGENCY 'B2 TERMINAL-PORT UNION 4513'
OPEN BRANCH FROM BUS 249575 TO BUS 249570 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 FOSTER-TODHUNTER 4515'
OPEN BRANCH FROM BUS 249566 TO BUS 249574 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 TODHUNTER-WOODSDALE CKT1 4561'
OPEN BRANCH FROM BUS 249574 TO BUS 249576 CKT 1

```

```
END
CONTINGENCY 'B2 TODHUNTER-WOODSDALE CKT2 4562'
  OPEN BRANCH FROM BUS 249574 TO BUS 249576 CKT 2
END
CONTINGENCY 'B2 WOODSDALE-MIAMI FORT 4592'
  OPEN BRANCH FROM BUS 249576 TO BUS 249567 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B2 MIAMI FORT-TERMINAL 4514'
  OPEN BRANCH FROM BUS 249567 TO BUS 249575 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B2 TERMINAL-EAST BEND 4516'
  OPEN BRANCH FROM BUS 249575 TO BUS 249565 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 ZIMMER 345 TB1 HP/LP'
  OPEN BUS 251968
  OPEN BUS 251969
  OPEN BRANCH FROM BUS 249580 TO BUS 249577 CKT Z1
END
CONTINGENCY 'B3 WOODSDALE 345/13/13 TB39'
  OPEN BRANCH FROM BUS 249576 TO BUS 251962 TO BUS 251963 CKT 1
END
CONTINGENCY 'B3 WOODSDALE 345/13/13 TB40'
  OPEN BRANCH FROM BUS 249576 TO BUS 251964 TO BUS 251965 CKT 1
END
CONTINGENCY 'B3 WOODSDALE 345/13/13 TB41'
  OPEN BRANCH FROM BUS 249576 TO BUS 251966 TO BUS 251967 CKT 1
END
CONTINGENCY 'B3 MIAMI FORT 345/22 TB8'
  OPEN BUS 251951
END
CONTINGENCY 'B3 MIAMI FORT 345/22 TB7'
  OPEN BUS 251950
END
CONTINGENCY 'B3 EAST BEND 345/20 TB2'
  OPEN BUS 251947
END
CONTINGENCY 'B3 BECKJORD 345/24 TB6'
  OPEN BUS 251938
END
CONTINGENCY 'B3 FOSTER 345/138 TB11'
  OPEN BUS 250035
END
CONTINGENCY 'B3 TODHUNTER 345/138 TB15'
  OPEN BUS 250107
END
CONTINGENCY 'B3 TODHUNTER 345/138 TB16'
  OPEN BUS 250108
END
CONTINGENCY 'B3 TODHUNTER 345/138 TB17'
  OPEN BUS 250109
END
CONTINGENCY 'B3 PORT UNION 345/138 TB19'
  OPEN BRANCH FROM BUS 250083 TO BUS 249570 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 PORT UNION 345/138 TB20'
  OPEN BRANCH FROM BUS 249570 TO BUS 250082 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 TERMINAL 345/138 TB11'
  OPEN BRANCH FROM BUS 250118 TO BUS 249575 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 TERMINAL 345/138 TB12'
```

```

OPEN BRANCH FROM BUS 250117 TO BUS 249575 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 BUFFINGTON 345-A'                  /138 TB45'
  OPEN BRANCH FROM BUS 249991 TO BUS 249564 CKT 1
END
CONTINGENCY 'B3 BUFFINGTON 345-B'                  /138 TB45'
  OPEN BRANCH FROM BUS 249991 TO BUS 249564 CKT 46
END
CONTINGENCY 'B3 RED BANK 345/138 TB27'
  OPEN BRANCH FROM BUS 250092 TO BUS 249571 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 WCB PIERCE 345/138 TB17'
  OPEN BUS 250086
END
CONTINGENCY 'B3 PIERCE 345/138 TB18'
  OPEN BUS 250143
END
CONTINGENCY 'B3 HILLCREST 345/138 TB21'
  OPEN BRANCH FROM BUS 249578 TO BUS 250136 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 CEDARVILLE-FORD BATAVIA 2986'
  OPEN BRANCH FROM BUS 250030 TO BUS 250031 CKT Z1
  OPEN BRANCH FROM BUS 250030 TO BUS 249993 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 EASTWOOD-FORD BATAVIA 8481'
  OPEN BRANCH FROM BUS 250020 TO BUS 250031 CKT 1
  OPEN BRANCH FROM BUS 250031 TO BUS 250030 CKT Z1
END
CONTINGENCY 'B2 BROWN-EASTWOOD 5884'
  OPEN BRANCH FROM BUS 249990 TO BUS 250021 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 TERMINAL-FINNEYTOWN-MT HEALTHY 9787'
  OPEN BUS 250024
  OPEN BUS 250064
END
CONTINGENCY 'B2 WILLEY-MAPLEKNLL-MT HEALTHY 9787'
  OPEN BUS 250131
  OPEN BRANCH FROM BUS 250131 TO BUS 250068 CKT 1      /* -CKT ID FIXED
  OPEN BUS 250068
  OPEN BUS 250069
  OPEN BUS 250063
END
CONTINGENCY 'B2 TERMINAL-WILLEY 9787'
  OPEN BRANCH FROM BUS 250024 TO BUS 250117 CKT 1      / 250024 08FINTWN 138 250117 08TRMNL1 138 1
  OPEN BRANCH FROM BUS 250024 TO BUS 250064 CKT 1      / 250024 08FINTWN 138 250064 08MHLTY2 138 1
  OPEN BRANCH FROM BUS 250063 TO BUS 250064 CKT Z1
  OPEN BRANCH FROM BUS 250063 TO BUS 250069 CKT 1      / 250063 08MHLTY1 138 250069 08MPLKL2 138 1
  OPEN BRANCH FROM BUS 250068 TO BUS 250069 CKT Z1      / 250068 08MPLKL1 138 250069 08MPLKL2 138 Z1
  OPEN BRANCH FROM BUS 250068 TO BUS 250131 CKT 1      / 250068 08MPLKL1 138 250131 08WILEY2 138 1
END
CONTINGENCY 'B2 WILLEY-MIAMI FORT 9784'
  OPEN BRANCH FROM BUS 250131 TO BUS 250057 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 BECKJRD-FELD-WC-REMGINGTN 9482 W/O TLS'
  OPEN BUS 250025
  OPEN BUS 250026
  OPEN BUS 250095
  OPEN BUS 250142
END
CONTINGENCY 'B2 BECKJORD-FELDMAN 9482 W TLS'
  OPEN BRANCH FROM BUS 250025 TO BUS 249989 CKT 1      /* -CKT ID FIXED

```

```
END
CONTINGENCY 'B2 FELDMAN-WARDS CORNER 9482 W TLS'
  OPEN BRANCH FROM BUS 250026 TO BUS 250142 CKT 1      /* -CKT ID FIXED
  OPEN BUS 250095
END
CONTINGENCY 'B2 FELDMAN 9482 W TLS'
  OPEN BUS 250025
  OPEN BUS 250026
END
CONTINGENCY 'B2 TERMINAL-ROCHELLE 8286'
  OPEN BRANCH FROM BUS 250091 TO BUS 250118 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 CHARLES-ROCHELLE 8283'
  OPEN BRANCH FROM BUS 250091 TO BUS 249994 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 RED BANK-TOBASCO 7489'
  OPEN BRANCH FROM BUS 250093 TO BUS 250103 CKT 1      /* -CKT ID FIXED
  DECREASE BUS 250103 LOAD BY 100.0 PERCENT
END
CONTINGENCY 'B2 RED BANK-ASHLAND 7484'
  OPEN BRANCH FROM BUS 250093 TO BUS 249984 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 RED BK-GOLF MNR-TERM-DEER PK-COOPR 7481'
  OPEN BUS 250114
  OPEN BUS 250038
  OPEN BUS 250012
  OPEN BUS 250011
  OPEN BUS 250115
  OPEN BUS 250002
END
CONTINGENCY 'B2 MIAMI FT-GLENVIEW 7284 W/O TLS'
  OPEN BUS 250060
  OPEN BUS 250048
  OPEN BUS 250049
END
CONTINGENCY 'B2 MIAMI FT-MIDWAY-KLEEMAN 7284 W TLS'
/*KLEEMAN TLS - FAULT TOWARD MIDWAY
  OPEN BUS 250060
END
CONTINGENCY 'B2 MIAMI FT-HEBRON 1683'
  OPEN BUS 250151
  OPEN BUS 250045
END
CONTINGENCY 'B2 BECKJORD-CLERMONT-SUMMERSIDE 6984'
  OPEN BUS 249997
  OPEN BUS 249996
END
CONTINGENCY 'B2 MIAMI FT-EBENEZER 6885'
  OPEN BRANCH FROM BUS 250016 TO BUS 250057 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 BUFFNGTN-MT ZION-LONGBRCH-BOONE 6785'
  OPEN BUS 250077
  OPEN BUS 250054
END
CONTINGENCY 'B2 BUFFNGTN-FLORNCE-DONLDSN-CRESNT 6782'
  OPEN BUS 250028
  OPEN BUS 250027
  OPEN BUS 250015
  OPEN BUS 250014
END
CONTINGENCY 'B2 EKWEBSTER-HANDS-SILVER GROVE-KENTON 6282'
```

```
OPEN BUS 250043
OPEN BUS 250042
OPEN BUS 250047
END
CONTINGENCY 'B2 BECKJORD-COLD SPRING-WILDER 5988'
  OPEN BUS 250000
END
CONTINGENCY 'B2 SILVERGROVE-KY UNIV-WILDER 5987'
  OPEN BUS 250052
  OPEN BUS 250153
END
CONTINGENCY 'B2 WILDER-AUGUSTINE-WEST END 5985'
  OPEN BUS 249980
END
CONTINGENCY 'B2 SILVER GROVE-WILDE 5983 W/O TLS'
  OPEN BUS 250134
  OPEN BUS 249986
  OPEN BUS 250140
  OPEN BUS 250053
END
CONTINGENCY 'B2 WILDER-YORK-BELLEVUE 5983 W TLS'
  OPEN BUS 250140
  OPEN BUS 249986
  OPEN BUS 250134
END
CONTINGENCY 'B2 SILVERGROVE-LA FARGE 5983 W TLS'
  OPEN BUS 250053
END
CONTINGENCY 'B2 DAYTON 5983 W TLS'
/*DAYTON TLS
  OPEN BUS 250140
END
CONTINGENCY 'B2 FAIRFIELD-MORGAN 5783'
  OPEN BUS 250032
  OPEN BUS 250070
END
CONTINGENCY 'B2 TODHUNTER-DICKS CREEK-AK STEEL 5686'
  OPEN BUS 250112
  OPEN BUS 250010
END
CONTINGENCY 'B2 TODHUNTER-AK STEEL 5682'
  OPEN BRANCH FROM BUS 250105 TO BUS 249981 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 TODHUNTER-NICKEL-WARREN 5680'
  OPEN BUS 250138
END
CONTINGENCY 'B2 FOSTER-OBANNONVILLE 5489 W TLS'
  OPEN BRANCH FROM BUS 250029 TO BUS 250137 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 OBANNONVILLE-CEDARVILLE 5489 W TLS'
  OPEN BRANCH FROM BUS 250137 TO BUS 249992 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 FOSTER-OBAN-CEDARVILLE 5489 W/O TLS'
  OPEN BRANCH FROM BUS 250029 TO BUS 250137 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250137 TO BUS 249992 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 FOSTER-MONTGMRY-REMGTON 5487 W/O TLS'
  OPEN BUS 250075
  OPEN BUS 250076
END
CONTINGENCY 'B2 FOSTER-MONTGOMERY 5487 W TLS'
```

```
OPEN BRANCH FROM BUS 250029 TO BUS 250075 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 FOSTER-PARK-BETHNY-SHAKER RUN 5485'
OPEN BUS 250085
OPEN BUS 250084
OPEN BUS 249987
END
CONTINGENCY 'B2 TODHUNTER-ROCKIES EXPRESS 5689'
OPEN BRANCH FROM BUS 250105 TO BUS 250139 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 FOSTER-MAINEVILLE-WARREN 5484'
OPEN BUS 250059
OPEN BUS 250147
END
CONTINGENCY 'B2 FOSTER-PORT UNION 5483'
OPEN BUS 250119
OPEN BUS 250120
OPEN BUS 250099
OPEN BUS 250102
OPEN BUS 250111
OPEN BUS 250013
END
CONTINGENCY 'B2 TERMINAL-EVENDALE 4685'
OPEN BRANCH FROM BUS 250118 TO BUS 250023 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 PORT UNION-KEMPER-EVENDALE 4683'
OPEN BUS 250050
OPEN BUS 250051
END
CONTINGENCY 'B2 RED BANK-LATERAL 4187'
OPEN BUS 250055
END
CONTINGENCY 'B2 PORT UNION-SEWARD-HAMILTON 3889'
OPEN BUS 250096
END
CONTINGENCY 'B2 TODHUNTER-BECKETT-PORT UNION 3888'
OPEN BUS 249985
END
CONTINGENCY 'B2 TODHUNTER-MILLIKIN-PORT UNION 3887'
OPEN BUS 250065
END
CONTINGENCY 'B2 PORT UNION-MULHAUSER-WILLEY 3886'
OPEN BUS 250067
OPEN BUS 250066
END
CONTINGENCY 'B2 PORT UNION-MULHAUSER-FAIRFIELD 3886'
OPEN BUS 250067
OPEN BUS 250066
OPEN BUS 252150
END
CONTINGENCY 'B2 FAIRFIELD-WILLEY 9782'
OPEN BRANCH FROM BUS 250032 TO BUS 250131 CKT 1      /* -CKT ID FIXED
OPEN BUS 252149
END
CONTINGENCY 'B2 FAIRFIELD-HALL-PORT UNION 3885'
OPEN BUS 250039
OPEN BUS 250040
OPEN BUS 252151
END
CONTINGENCY 'B2 SUMMERSIDE-PORT UNION 3881'
OPEN BUS 250157
```

```

OPEN BUS 250004
OPEN BUS 250005
OPEN BUS 252346
END
CONTINGENCY 'B2 BECKJORD-TOBASCO 1885'
  OPEN BRANCH FROM BUS 249988 TO BUS 250103 CKT 1      /* -CKT ID FIXED
  OPEN BUS 252357
END
CONTINGENCY 'B2 BECKJRD-NEWTWN-RED BK 1883 W/O TLS'
  OPEN BUS 250080
  OPEN BUS 250079
END
CONTINGENCY 'B2 NEWTOWN-RED BANK 1883 W TLS'
/*NEWTOWN TLS
/*FAULT TOWARD RED BANK
  OPEN BRANCH FROM BUS 250079 TO BUS 250092 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 BECKJORD-NEWTOWN 1883 W TLS'
/*NEWTOWN TLS
/*FAULT TOWARD BECKJORD
  OPEN BRANCH FROM BUS 250080 TO BUS 249989 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 BECKJORD-WILDER 1881'
  OPEN BRANCH FROM BUS 249988 TO BUS 250133 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 BECKJORD-SILVERGROVE 1880'
  OPEN BRANCH FROM BUS 249988 TO BUS 250097 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 TERMINAL-MIDWAY-EBENEZER 1783'
  OPEN BUS 250061
END
CONTINGENCY 'B2 TERMINAL-GLENVIEW 1782'
  OPEN BRANCH FROM BUS 250117 TO BUS 250036 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 MIAMI FORT-MORGAN 1689'
  OPEN BUS 250071
END
CONTINGENCY 'B2 CHARLES-WEST END 1389'
  OPEN BUS 250124
  OPEN BRANCH FROM BUS 249994 TO BUS 250124 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 OAKLEY-ASHLAND-MITCHELL 1288'
  OPEN BUS 250110
END
CONTINGENCY 'B2 CENTRAL-MITCHELL 1288'
  OPEN BRANCH FROM BUS 250110 TO BUS 250073 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 CENTRAL-ASHLAND 3985'
  OPEN BRANCH FROM BUS 250110 TO BUS 249984 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 CENTRAL-OAKLEY 3981'
  OPEN BRANCH FROM BUS 250110 TO BUS 250081 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 ASHLAND-WHITTIER 1180'
  OPEN BRANCH FROM BUS 249984 TO BUS 250146 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B2 ROCHELLE-WHITTIER 8281'
  OPEN BRANCH FROM BUS 250091 TO BUS 250146 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 CENTRAL 138/69/13 TB3'
  OPEN BRANCH FROM BUS 250110 TO BUS 251293 TO BUS 252401 CKT 1 /* -CKT ID FIXED

```


END
CONTINGENCY 'B2 WEST END-MITCHELL 1286'
OPEN BUS 250087
OPEN BUS 250088
OPEN BUS 250062
OPEN BUS 249998
OPEN BUS 250072
END
CONTINGENCY 'B2 TERMINAL-HENKEL-MITCHELL 1284'
OPEN BUS 250046
END
CONTINGENCY 'B2 BECKJORD-SUMMERSIDE-OAKLEY 886'
OPEN BRANCH FROM BUS 249989 TO BUS 250158 CKT 1 /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250158 TO BUS 250081 CKT 1 /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250158 TO BUS 250100 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B2 RED BANK-OAKLEY 885'
OPEN BRANCH FROM BUS 250092 TO BUS 250081 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B2 LATERAL-ELMWOOD 684'
OPEN BUS 250018
END
CONTINGENCY 'B2 TODHUNTER-TRENTON 3284'
OPEN BRANCH FROM BUS 250105 TO BUS 250116 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B2 WARREN-CLINTONCO-HILLSBORO 2381'
OPEN BUS 249995
END
CONTINGENCY 'B2 HILLCREST-EASTWOOD 8887'
/*FAULT TOWARD SCP EASTWOOD
/*EASTWOOD BUS RECLOSSES
OPEN BUS 250141
END
CONTINGENCY 'B2 SHAKER RUN-ROCKIES-CARLISLE 5381'
OPEN BUS 250149
OPEN BUS 250121
END
CONTINGENCY 'B2 TRENTON-COLLEGE CORNER 3281'
OPEN BUS 250001
OPEN BUS 250144
END
CONTINGENCY 'B2 EKWEBSTER-BUFFINGTON 6789'
OPEN BRANCH FROM BUS 249991 TO BUS 250148 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B2 HEBRON-CONSTCE-CRESNT 7086'
OPEN BUS 250044
OPEN BUS 249999
OPEN BUS 250007
END
CONTINGENCY 'B3 REMINGTON 138 TB1&3'
OPEN BUS 250094
END
CONTINGENCY 'B1 BECKJORD UNIT 2 GSU'
OPEN BUS 251934
END
CONTINGENCY 'B1 BECKJORD UNIT 5 GSU'
OPEN BUS 251937
END
CONTINGENCY 'B1 BECKJORD UNIT 3 GSU'
OPEN BUS 251935
END

```
CONTINGENCY 'B1 BECKJORD UNIT 4 GSU'
  OPEN BUS 251936
END
CONTINGENCY 'B3 BECKJORD 138/13 TB21'
  OPEN BRANCH FROM BUS 249988 TO BUS 251940 TO BUS 251941 CKT 21
  OPEN BRANCH FROM BUS 249988 TO BUS 251942 TO BUS 251943 CKT 22
END
CONTINGENCY 'B1 MIAMI FORT UNIT 6 GSU'
  OPEN BUS 251949
END
CONTINGENCY 'B3 MIAMI FORT GT 138/13'
  OPEN BUS 250058
END
CONTINGENCY 'B1 DICKS CREEK UNIT 1 GSU'
  OPEN BUS 251944
END
CONTINGENCY 'B1 DICKS CREEK UNIT 3 GSU'
  OPEN BUS 251945
END
CONTINGENCY 'B1 DICKS CREEK UNITS 4 OR 5'
  SET BUS 251946 GENERATION TO 15 MW
END
CONTINGENCY 'B1 DICKS CREEK UNITS 4 & 5 GSU'
  OPEN BUS 251946
END
CONTINGENCY 'B3 BROWN 138/69/34 TB1*'
/*138 AND 69 RECLOSE
  OPEN BRANCH FROM BUS 249990 TO BUS 251277 TO BUS 251792 CKT 1  /* -CKT ID FIXED
END
CONTINGENCY 'B3 CARLISLE 138/69/13 TB2'
  OPEN BRANCH FROM BUS 250003 TO BUS 251299 TO BUS 252040 CKT 1  /* -CKT ID FIXED
END
CONTINGENCY 'B3 TODHUNTER 138/69 TB1'
  OPEN BRANCH FROM BUS 250105 TO BUS 251510 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 TODHUNTER 138/69 TB2'
  OPEN BRANCH FROM BUS 250105 TO BUS 251511 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 PORT UNION 138/69/34 TB3'
  OPEN BRANCH FROM BUS 250082 TO BUS 251428 TO BUS 251798 CKT 1  /* -CKT ID FIXED
END
CONTINGENCY 'B3 PORT UNION 138/69/13 TB2'
  OPEN BRANCH FROM BUS 250083 TO BUS 251428 TO BUS 252045 CKT 1  /* -CKT ID FIXED
END
CONTINGENCY 'B3 PORT UNION 138/69/34 TB1'
  OPEN BRANCH FROM BUS 250083 TO BUS 251429 TO BUS 251797 CKT 1  /* -CKT ID FIXED
END
CONTINGENCY 'B3 COLLINSVILLE 138/69 TB1'
  OPEN BRANCH FROM BUS 250001 TO BUS 251296 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 EVENDALE 138/69/34 TB1'
  OPEN BRANCH FROM BUS 250022 TO BUS 251321 TO BUS 251794 CKT 1  /* -CKT ID FIXED
  OPEN BUS 250022
END
CONTINGENCY 'B3 EVENDALE 138/69 TB2'
  OPEN BRANCH FROM BUS 250023 TO BUS 251322 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 TERMINAL 138/69/13 TB1'
  OPEN BRANCH FROM BUS 251531 TO BUS 252047 TO BUS 250117 CKT 1  /* -CKT ID FIXED
END
CONTINGENCY 'B3 TERMINAL 138/69 TB2'
```

```

OPEN BRANCH FROM BUS 251532 TO BUS 250118 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 ELMWOOD 138/69/13 TB6 & 689'
OPEN BUS 250019
END
CONTINGENCY 'B3 EBENEZER 138/69/34 TB6'
OPEN BUS 250017
END
CONTINGENCY 'B3 EBENEZER 138/69 TB5'
OPEN BUS 250016
END
CONTINGENCY 'B3 BUFFINGTON 138/69/13 TB1'
OPEN BRANCH FROM BUS 249991 TO BUS 251278 TO BUS 252039 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B3 BUFFINGTON 138/69 TB2'
OPEN BRANCH FROM BUS 249991 TO BUS 251279 CKT 2
END
CONTINGENCY 'B3 MITCHELL 138/69/13 TB3'
OPEN BRANCH FROM BUS 250073 TO BUS 251412 TO BUS 252042 CKT 1 /* -CKT ID FIXED
OPEN BUS 250073
END
CONTINGENCY 'B3 MITCHELL 138/69 TB4'
OPEN BUS 250074
END
CONTINGENCY 'B3 OAKLEY 138/69/13 TB10'
OPEN BRANCH FROM BUS 250081 TO BUS 251424 TO BUS 252043 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B3 OAKLEY 138/69/13 TB9'
OPEN BRANCH FROM BUS 250081 TO BUS 251424 TO BUS 252044 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B3 WILDER 138/69/13 TB1'
OPEN BRANCH FROM BUS 250132 TO BUS 251551 TO BUS 252058 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B3 WILDER 138/69/13 TB2'
OPEN BRANCH FROM BUS 250133 TO BUS 251552 TO BUS 252057 CKT 1 /* -CKT ID FIXED
/*THIS IS TWO WINDINGS OF A
/*THREE WINDING TRANSFORMER.
END
CONTINGENCY 'B3 KENTON 138/69/34 TB4'
OPEN BRANCH FROM BUS 250047 TO BUS 251357 TO BUS 251796 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'B3 TOBASCO 138/69/13 TB5'
OPEN BRANCH FROM BUS 250103 TO BUS 251509 TO BUS 252046 CKT 5
END
CONTINGENCY 'B3 BECKJORD TB9 & BUS6'
OPEN BRANCH FROM BUS 251271 TO BUS 251518 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249989 TO BUS 251271 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249989 TO BUS 250000 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249989 TO BUS 251937 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249989 TO BUS 250143 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 WARREN 138/69 TB1'
OPEN BRANCH FROM BUS 250122 TO BUS 251546 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 SHAKER RUN 138/69 TB1'
OPEN BRANCH FROM BUS 250098 TO BUS 251453 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'B3 TRENTON 138/69 TB8'
OPEN BRANCH FROM BUS 250116 TO BUS 251533 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'LOE TIE BRKR 970 OPEN AT CEDARVILLE'

```

OPEN BRANCH FROM BUS 249992 TO BUS 249993 CKT Z1	
END	
CONTINGENCY 'LOE TIE BRKR OPEN AT CEDARVILLE 2986'	
OPEN BRANCH FROM BUS 249993 TO BUS 250030 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 920 OPEN AT FORD BATAVIA'	
OPEN BRANCH FROM BUS 250030 TO BUS 250031 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT FOSTER 5485'	
OPEN BRANCH FROM BUS 250029 TO BUS 250085 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT FOSTER 5484'	
OPEN BRANCH FROM BUS 250029 TO BUS 250059 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT WARREN 5484'	
OPEN BRANCH FROM BUS 250147 TO BUS 250123 CKT 1	
END	
CONTINGENCY 'LOE TIE BRKR 870 OPEN AT WARREN'	
OPEN BRANCH FROM BUS 250122 TO BUS 250123 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT WARREN 2381'	
OPEN BRANCH FROM BUS 250122 TO BUS 249995 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT WARREN 5680'	
OPEN BRANCH FROM BUS 250122 TO BUS 250138 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT TERMINAL 9787'	
OPEN BRANCH FROM BUS 250117 TO BUS 250024 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN 830 AT REMINGTON'	
OPEN BRANCH FROM BUS 250094 TO BUS 250095 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT RED BANK 7489'	
OPEN BRANCH FROM BUS 250093 TO BUS 250103 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT TERMINAL 7481'	
OPEN BRANCH FROM BUS 250118 TO BUS 250038 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT RED BANK 7481'	
OPEN BRANCH FROM BUS 250114 TO BUS 250092 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT MIAMI FORT 7284'	
OPEN BRANCH FROM BUS 250057 TO BUS 250060 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT MIAMI FORT 1683'	
OPEN BRANCH FROM BUS 250057 TO BUS 250151 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT BECKJORD 6984'	
OPEN BRANCH FROM BUS 249988 TO BUS 249997 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT BUFFINGTON 6785'	
OPEN BRANCH FROM BUS 249991 TO BUS 250077 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT BUFFINGTON 6782'	
OPEN BRANCH FROM BUS 249991 TO BUS 250028 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT KENTON 6282'	
OPEN BRANCH FROM BUS 250047 TO BUS 250043 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT SILVERGROVE 6282'	
OPEN BRANCH FROM BUS 250097 TO BUS 250042 CKT 1	/* -CKT ID FIXED

END	
CONTINGENCY 'LOE BRKR OPEN AT BECKJORD 5988'	
OPEN BRANCH FROM BUS 249989 TO BUS 250000 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT WILDER 5988'	
OPEN BRANCH FROM BUS 250000 TO BUS 250132 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT WILDER 5987'	
OPEN BRANCH FROM BUS 250133 TO BUS 250153 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT SILVERGROVE 5987'	
OPEN BRANCH FROM BUS 250097 TO BUS 250052 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT WILDER 5985'	
OPEN BRANCH FROM BUS 250133 TO BUS 249980 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT SILVERGROVE 5983'	
OPEN BRANCH FROM BUS 250097 TO BUS 250053 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT WILDER 5983'	
OPEN BRANCH FROM BUS 250132 TO BUS 250134 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 3885'	
OPEN BRANCH FROM BUS 250039 TO BUS 250083 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT AK STEEL 5686'	
OPEN BRANCH FROM BUS 249982 TO BUS 250112 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 623 OPEN AT AK STEEL'	
OPEN BRANCH FROM BUS 249981 TO BUS 249982 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 5483'	
OPEN BRANCH FROM BUS 250083 TO BUS 250013 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT FOSTER 5483'	
OPEN BRANCH FROM BUS 250029 TO BUS 250119 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 4683'	
OPEN BRANCH FROM BUS 250082 TO BUS 250050 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT EVENDALE 4683'	
OPEN BRANCH FROM BUS 250051 TO BUS 250022 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT RED BANK 4187'	
OPEN BRANCH FROM BUS 250093 TO BUS 250055 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 840 OPEN AT LATERAL'	
OPEN BRANCH FROM BUS 250055 TO BUS 250056 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT HAMILTON 3889'	
OPEN BRANCH FROM BUS 250041 TO BUS 250096 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 3889'	
OPEN BRANCH FROM BUS 250096 TO BUS 250082 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 3888'	
OPEN BRANCH FROM BUS 249985 TO BUS 250082 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 3887'	
OPEN BRANCH FROM BUS 250083 TO BUS 250065 CKT 1	/* -CKT ID FIXED
END	

CONTINGENCY 'LOE BRKR OPEN AT PORT UNION 3886'	
OPEN BRANCH FROM BUS 250082 TO BUS 250067 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT TERMINAL 1783'	
OPEN BRANCH FROM BUS 250118 TO BUS 250061 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT EBENEZER 1783'	
OPEN BRANCH FROM BUS 250061 TO BUS 250017 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 950 OPEN AT EBENEZER'	
OPEN BRANCH FROM BUS 250017 TO BUS 250016 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT MIAMI FORT 1689'	
OPEN BRANCH FROM BUS 250057 TO BUS 250071 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 950 OPEN AT MORGAN'	
OPEN BRANCH FROM BUS 250071 TO BUS 250070 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT TERMINAL 1284'	
OPEN BRANCH FROM BUS 250117 TO BUS 250046 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT MITCHELL 1284'	
OPEN BRANCH FROM BUS 250046 TO BUS 250074 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 835 OPEN AT MITCHELL'	
OPEN BRANCH FROM BUS 250074 TO BUS 250072 CKT Z1	
END	
CONTINGENCY 'LOE TIE BRKR 833 OPEN AT MITCHELL'	
OPEN BRANCH FROM BUS 250072 TO BUS 250073 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT LATERAL 684'	
OPEN BRANCH FROM BUS 250056 TO BUS 250018 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 810 OPEN AT ELMWOOD'	
OPEN BRANCH FROM BUS 250018 TO BUS 250019 CKT Z1	
END	
CONTINGENCY 'LOE BRKR OPEN AT TERMINAL 689'	
OPEN BRANCH FROM BUS 250117 TO BUS 250019 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT MIAMI FORT 1688'	
OPEN BRANCH FROM BUS 250058 TO BUS 250057 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE BRKR OPEN AT TRENTON 3281'	
OPEN BRANCH FROM BUS 250116 TO BUS 250144 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'LOE TIE BRKR 830 OPEN AT WILDER'	
OPEN BRANCH FROM BUS 250132 TO BUS 250133 CKT Z1	
END	
CONTINGENCY 'LOE TIE BRKR 937 OPEN AT WEST END'	
OPEN BRANCH FROM BUS 250124 TO BUS 250126 CKT Z1	
END	
CONTINGENCY 'LOE BRKR 860 OPEN AT EASTWOOD'	
OPEN BRANCH FROM BUS 250021 TO BUS 250020 CKT Z1	
END	
CONTINGENCY 'LOE TIE BRKR 850 OPEN AT GLENVIEW'	
OPEN BRANCH FROM BUS 250037 TO BUS 250036 CKT Z1	
END	
CONTINGENCY 'LOE TIE BRKR 963 OPEN AT DICKS CREEK'	
OPEN BRANCH FROM BUS 250112 TO BUS 250010 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250010 TO BUS 251944 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250010 TO BUS 251946 CKT 3	

```

OPEN BRANCH FROM BUS 250010 TO BUS 251945 CKT 2
END
CONTINGENCY 'P1-4 CEDARVILLE 138 CAP BK'
  OPEN BUS 250155
END
CONTINGENCY 'LOE BRKR OPEN AT GLENVIEW 7284'
  OPEN BRANCH FROM BUS 250037 TO BUS 250049 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'LOE BRKR OPEN AT REMINGTON 5487'
  OPEN BRANCH FROM BUS 250094 TO BUS 250076 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B3 RED BANK 345/138 TB28'
  OPEN BRANCH FROM BUS 250093 TO BUS 249571 CKT 1
END
CONTINGENCY 'B2 FAIRFIELD-HAMILTON 5781'
  OPEN BRANCH FROM BUS 250041 TO BUS 250032 CKT 1
END
CONTINGENCY 'B2 CRESCENT-WEST END 1587'
  OPEN BRANCH FROM BUS 250007 TO BUS 250124 CKT 1
END
CONTINGENCY 'B2 CHARLES-WEST END 1385'
  OPEN BRANCH FROM BUS 249994 TO BUS 250126 CKT 1
END
CONTINGENCY 'B3 FAIRFIELD 138/69/34 TB2'
  OPEN BRANCH FROM BUS 250032 TO BUS 251328 TO BUS 251795 CKT 1
END
CONTINGENCY 'B3 SUMMERSIDE 138/69/34 TB2*'
  OPEN BRANCH FROM BUS 250100 TO BUS 251457 TO BUS 251799 CKT 1
END
CONTINGENCY 'LOE BRKR 805 OPEN AT BECKJORD 1885'
  OPEN BRANCH FROM BUS 249988 TO BUS 250103 CKT 1
END
CONTINGENCY '251940 08BKJGT1 13.8'
  REMOVE MACHINE 1 FROM BUS 251940                        // PMAX=47.0 MW / PGEN=45.5 MW
END
CONTINGENCY '251941 08BKJGT2 13.8'
  REMOVE MACHINE 2 FROM BUS 251941                        // PMAX=47.0 MW / PGEN=45.5 MW
END
CONTINGENCY '251942 08BKJGT3 13.8'
  REMOVE MACHINE 3 FROM BUS 251942                        // PMAX=47.0 MW / PGEN=45.5 MW
END
CONTINGENCY '251943 08BKJGT4 13.8'
  REMOVE MACHINE 4 FROM BUS 251943                        // PMAX=47.0 MW / PGEN=45.5 MW
END
CONTINGENCY '251944 08D.CRK1 10'
  REMOVE MACHINE 1 FROM BUS 251944                        // PMAX=92.0 MW / PGEN=89.0 MW
END
CONTINGENCY '251945 08D.CRK3 13'
  REMOVE MACHINE 3 FROM BUS 251945                        // PMAX=14.0 MW / PGEN=13.5 MW
END
CONTINGENCY '251946 08D.CRK4 13'
  REMOVE MACHINE 4 FROM BUS 251946                        // PMAX=15.0 MW / PGEN=14.5 MW
  REMOVE MACHINE 5 FROM BUS 251946                        // PMAX=15.0 MW / PGEN=14.5 MW
END
CONTINGENCY '251947 08EBND2 20'
  REMOVE MACHINE 2 FROM BUS 251947                        // PMAX=600.0 MW / PGEN=580.6 MW
END
CONTINGENCY '251949 08M.FRT6 18'
  REMOVE MACHINE 6 FROM BUS 251949                        // PMAX=163.0 MW / PGEN=157.7 MW
END
CONTINGENCY '251950 08M.FRT7 22'

```

```

REMOVE MACHINE 7 FROM BUS 251950                // PMAX=510.0 MW / PGEN=493.5 MW
END
CONTINGENCY '251951 08M.FRT8 22'
REMOVE MACHINE 8 FROM BUS 251951                // PMAX=510.0 MW / PGEN=493.5 MW
END
CONTINGENCY '251960 08MFTGT1 13.8'
REMOVE MACHINE 3 FROM BUS 251960                // PMAX=14.0 MW / PGEN=13.5 MW
REMOVE MACHINE 4 FROM BUS 251960                // PMAX=14.0 MW / PGEN=13.5 MW
END
CONTINGENCY '251961 08MFTGT2 13.8'
REMOVE MACHINE 5 FROM BUS 251961                // PMAX=14.0 MW / PGEN=13.5 MW
REMOVE MACHINE 6 FROM BUS 251961                // PMAX=14.0 MW / PGEN=13.5 MW
END
CONTINGENCY '251962 08WSDLE1 13.8'
REMOVE MACHINE G FROM BUS 251962                // PMAX=81.6 MW / PGEN=79.0 MW
END
CONTINGENCY '251963 08WSDLE2 13.8'
REMOVE MACHINE G FROM BUS 251963                // PMAX=81.6 MW / PGEN=79.0 MW
END
CONTINGENCY '251964 08WSDLE3 13.8'
REMOVE MACHINE G FROM BUS 251964                // PMAX=81.6 MW / PGEN=79.0 MW
END
CONTINGENCY '251965 08WSDLE4 13.8'
REMOVE MACHINE G FROM BUS 251965                // PMAX=81.6 MW / PGEN=79.0 MW
END
CONTINGENCY '251966 08WSDLE5 13.8'
REMOVE MACHINE G FROM BUS 251966                // PMAX=81.6 MW / PGEN=79.0 MW
END
CONTINGENCY '251967 08WSDLE6 13.8'
REMOVE MACHINE G FROM BUS 251967                // PMAX=81.6 MW / PGEN=79.0 MW
END
CONTINGENCY '251968 08ZIMRHP 26'
REMOVE MACHINE 1 FROM BUS 251968                // PMAX=840.0 MW / PGEN=812.8 MW
END
CONTINGENCY '251969 08ZIMRLP 22'
REMOVE MACHINE 1 FROM BUS 251969                // PMAX=460.0 MW / PGEN=445.1 MW
END
CONTINGENCY '251973 08YANKGE 13.8'
REMOVE MACHINE 1 FROM BUS 251973                // PMAX=63.0 MW / PGEN=61.0 MW
END
CONTINGENCY 'Y1-054 E-08RCHLE3'
DISCONNECT BRANCH FROM BUS 913222 TO BUS 250091 CKT 1
END
CONTINGENCY '08BKJ135-08BKJ246'
DISCONNECT BRANCH FROM BUS 249988 TO BUS 249989 CKT Z1
END
CONTINGENCY '08REDBK1-08REDBK2'
DISCONNECT BRANCH FROM BUS 250092 TO BUS 250093 CKT Z1
END
CONTINGENCY '08TRMNL1-08TRMNL2'
DISCONNECT BRANCH FROM BUS 250117 TO BUS 250118 CKT Z1
END
/*=====DEO&K TIES=====
CONTINGENCY '683_B2'
OPEN BRANCH FROM BUS 243233 TO BUS 249565 CKT 1          / 243233 05TANNER 345 249565 08EBEND 345 1
END
CONTINGENCY '5497_B2_TOR1720'
OPEN BRANCH FROM BUS 243262 TO BUS 250001 CKT 1          / 243262 05COLLCO 138 250001 08COLINV 138 1
END
CONTINGENCY '6372_B2_TOR12497'
OPEN BRANCH FROM BUS 243262 TO BUS 250106 CKT 1          / 243262 05COLLCO 138 250106 08TODHJT 138 1

```


OPEN BRANCH FROM BUS 250106 TO BUS 253057 CKT 1	/ 250106 08TODHJT 138 253057 09OHH 138 1
END	
CONTINGENCY '7353_B2_TOR12737'	
OPEN BRANCH FROM BUS 243019 TO BUS 249995 CKT 1	/ 243019 05HILLSB 138 249995 08CLINCO 138 1
OPEN BRANCH FROM BUS 249995 TO BUS 250122 CKT 1	/ 249995 08CLINCO 138 250122 08WARRN1 138 1
END	
CONTINGENCY '144_B3'	
OPEN BRANCH FROM BUS 243233 TO BUS 249568 CKT 1	/ 243233 05TANNER 345 249568 08M.FTHS 345 1
OPEN BRANCH FROM BUS 249568 TO BUS 250057 CKT 10	/ 249568 08M.FTHS 345 250057 08M.FORT 138 10
OPEN BRANCH FROM BUS 249568 TO BUS 250057 CKT 9	/ 249568 08M.FTHS 345 250057 08M.FORT 138 9
END	
CONTINGENCY 'LOE BRKR OPEN AT HILLSBORO AEP 2381'	
OPEN BRANCH FROM BUS 249995 TO BUS 243019 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'B2 MIAMI FORT-WEST MILTON 4591'	
OPEN BRANCH FROM BUS 249567 TO BUS 253090 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'B2 HILLCREST-STUART 4511'	
OPEN BRANCH FROM BUS 249578 TO BUS 253077 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'B2 FOSTER-BATH 34598'	
OPEN BRANCH FROM BUS 249566 TO BUS 253006 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'B2 FOSTER-SUGARCREEK 4524'	
OPEN BRANCH FROM BUS 249566 TO BUS 253079 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'B2 BROWN-DPL STUART 5886'	
OPEN BRANCH FROM BUS 249990 TO BUS 253076 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'EKPC+CG&E CIRCUIT BOONE CO TO CG&E BUFFINGTON-1'	/*EKPC+CG&E CIRCUIT BOONE CO TO
CG&E BUFFINGTON 138 KV	
OPEN BRANCH FROM BUS 342559 TO BUS 250054 CKT 1	/341180 4BOONECO 138.00 250054 08LONGBR 138.00
REDUCE BUS 250054 LOAD BY 100 PERCENT	/250054 08LONGBR 138.00
OPEN BRANCH FROM BUS 250054 TO BUS 250077 CKT 1	/250054 08LONGBR 138.00 250077 08MTZION 138.00
REDUCE BUS 250077 LOAD BY 100 PERCENT	
OPEN BRANCH FROM BUS 250077 TO BUS 249991 CKT 1	/250077 08MTZION 138.00 249991 08BUFTN1 138.00
END	
CONTINGENCY '7193_B1_08BCKJD6 24.0-6'	
OPEN BRANCH FROM BUS 248013 TO BUS 251938 CKT 1	/ 248013 06PIERCE 345 251938 08BCKJD6 24.0 1
REMOVE UNIT 6 FROM BUS 251938	/ 251938 08BCKJD6 24.0
END	
CONTINGENCY '7195_B2'	
OPEN BRANCH FROM BUS 248002 TO BUS 249564 CKT 1	/ 248002 06DEARB2 345 249564 08BUFTN1 345 1
END	
CONTINGENCY '7196_B2'	
OPEN BRANCH FROM BUS 248013 TO BUS 249564 CKT 1	/ 248013 06PIERCE 345 249564 08BUFTN1 345 1
END	
CONTINGENCY '876_B2'	
OPEN BRANCH FROM BUS 248013 TO BUS 249566 CKT 1	/ 248013 06PIERCE 345 249566 08FOSTER 345 1
END	
CONTINGENCY '6323_B3_06PIERCE 345-17'	
OPEN BRANCH FROM BUS 248013 TO BUS 250086 CKT 17	/ 248013 06PIERCE 345 250086 08PIERCE 138 17
END	
CONTINGENCY '6334_B3_06PIERCE 345-18'	
OPEN BRANCH FROM BUS 248013 TO BUS 250143 CKT 18	/ 248013 06PIERCE 345 250143 08PRCE18 138 18
END	
CONTINGENCY 'B2 MIAMI FORT-OVEC CLIFTY CREEK 1682'	
OPEN BRANCH FROM BUS 250057 TO BUS 248009 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'B2 MIAMI FORT-GREENDALE 1681'	
OPEN BRANCH FROM BUS 250057 TO BUS 249736 CKT 1	/* -CKT ID FIXED

```

END
/*=====DLCO=====
CONTINGENCY 'B_LINE_SY_062'          /* LINE 15BVRVAL TO 15CRESCN 345 CK 1 (318)
  DISCONNECT BRANCH FROM BUS 253902 TO BUS 253936 CKT 1      /* 15BVRVAL 345.00 15CRESCN 345.00
END
CONTINGENCY 'B_LINE_SY_063'          /* LINE 15BVRVAL TO 15CLINTN 345 CK 1 (314)
  DISCONNECT BRANCH FROM BUS 253902 TO BUS 253931 CKT 1      /* 15BVRVAL 345.00 15CLINTN 345.00
END
CONTINGENCY 'B_LINE_TIE_033'         /* 15COLLIE 345.00 - 15CLINTN 345.00 LINE OUTAGE (324)
  DISCONNECT BRANCH FROM BUS 253965 TO BUS 253931 CKT 1      /* 15COLLIE 345.00 15CLINTN 345.00
END
CONTINGENCY 'B_LINE_TIE_34A'         /* 15CRESCN 345.00 - 15COLLIE 345.00 LINE OUTAGE (304)
  DISCONNECT BRANCH FROM BUS 253936 TO BUS 253963 CKT 1      /* 15CRESCN 345.00 15COLLRT 345.00
END
CONTINGENCY 'B_LINE_TIE_34B'         /* 15CRESCN 345.00 - 15COLLIE 345.00 LINE OUTAGE (331)
  DISCONNECT BRANCH FROM BUS 253963 TO BUS 253975 CKT 1      /* 15COLLRT 345.00 15BI 345.00
END
CONTINGENCY 'B_LINE_TIE_34C'         /* 15CRESCN 345.00 - 15COLLIE 345.00 LINE OUTAGE (331)
  DISCONNECT BRANCH FROM BUS 253975 TO BUS 253965 CKT 1      /* 15BI 345.00 15COLLIE 345.00
END
CONTINGENCY 'DLCO_302'               / 253975 15BI 345.00 253990 15CARSON 345.00 1
  OPEN BRANCH FROM BUS 253975 TO BUS 253990 CKT 1
  OPEN BUS 253992
END
CONTINGENCY 'DLCO_305'               / 253975 15BI 345.00 253999 15ARSENL 345.00 1
  OPEN BRANCH FROM BUS 253975 TO BUS 253999 CKT 1
END
CONTINGENCY 'DLCO_306'               / 253975 15BI 345.00 253999 15ARSENL 345.00 2
  OPEN BRANCH FROM BUS 253975 TO BUS 253999 CKT 2
END
CONTINGENCY 'DLCO_307'               / 253990 15CARSON 345.00 253999 15ARSENL 345.00 1
  OPEN BRANCH FROM BUS 253990 TO BUS 253999 CKT 1
END
CONTINGENCY 'DLCO_308'               / 253999 15ARSENL 345.00 254062 15LOGNFR 345.00 1
  OPEN BRANCH FROM BUS 253999 TO BUS 254062 CKT 1
END
CONTINGENCY 'BVR_VALLEY_J'           / Z- 29
  OPEN BRANCH FROM BUS 253916 TO BUS 253903 CKT 1
  OPEN BRANCH FROM BUS 253914 TO BUS 253916 CKT 1
  OPEN BRANCH FROM BUS 253935 TO BUS 253916 CKT 1
END
CONTINGENCY 'EVERGREEN_J'           / Z- 50
  OPEN BRANCH FROM BUS 254034 TO BUS 254059 CKT 1
  OPEN BRANCH FROM BUS 254064 TO BUS 254059 CKT 1
END
CONTINGENCY 'PORT_PERRY_J'          / Z- 76
  OPEN BRANCH FROM BUS 254028 TO BUS 254032 CKT 1
  OPEN BRANCH FROM BUS 254034 TO BUS 254032 CKT 1
END
CONTINGENCY 'BRENTWOOD_J'           / Z- 70
  OPEN BRANCH FROM BUS 253980 TO BUS 253986 CKT 1
  OPEN BRANCH FROM BUS 253986 TO BUS 254028 CKT 1
END
CONTINGENCY 'BOC_GAS_J'             / Z- 78
  OPEN BRANCH FROM BUS 254028 TO BUS 254041 CKT 1
  OPEN BRANCH FROM BUS 254037 TO BUS 254061 CKT 1
END
CONTINGENCY 'NEVILLE_J'            / Z- 43
  OPEN BRANCH FROM BUS 253974 TO BUS 253967 CKT 1
  OPEN BRANCH FROM BUS 253967 TO BUS 253968 CKT 1
  OPEN BRANCH FROM BUS 253967 TO BUS 253958 CKT 1

```

```
END
CONTINGENCY 'WOLFE_RUN_J' / Z- 84
  OPEN BRANCH FROM BUS 253953 TO BUS 253957 CKT 1
  OPEN BRANCH FROM BUS 253917 TO BUS 253957 CKT 1
END
CONTINGENCY 'PINE_CREEK_J' / Z- 55
  OPEN BRANCH FROM BUS 254046 TO BUS 254051 CKT 1
  OPEN BRANCH FROM BUS 254051 TO BUS 254064 CKT 1
  OPEN BRANCH FROM BUS 254051 TO BUS 254052 CKT Z1
END
CONTINGENCY 'CALIFORNIA_J' / Z- 66
  OPEN BRANCH FROM BUS 254046 TO BUS 254055 CKT 1
  OPEN BRANCH FROM BUS 254055 TO BUS 254056 CKT 1
  OPEN BRANCH FROM BUS 254055 TO BUS 254064 CKT 1
END
CONTINGENCY 'COLLIER_J' / 331
  OPEN BRANCH FROM BUS 253936 TO BUS 253963 CKT 1
  OPEN BRANCH FROM BUS 253963 TO BUS 253965 CKT Z1
  OPEN BRANCH FROM BUS 253963 TO BUS 253975 CKT 1
END
CONTINGENCY 'HOMSTD_J' / Z- 87
  OPEN BRANCH FROM BUS 254002 TO BUS 254028 CKT 1
  OPEN BRANCH FROM BUS 254002 TO BUS 253988 CKT 1
END
CONTINGENCY 'MTNEBO_J' / Z- 20
  OPEN BRANCH FROM BUS 254045 TO BUS 254046 CKT 1
  OPEN BRANCH FROM BUS 254045 TO BUS 253935 CKT 1
END
CONTINGENCY 'KOPLST_J' / Z- 27
  OPEN BRANCH FROM BUS 253946 TO BUS 253953 CKT 1
  OPEN BRANCH FROM BUS 253946 TO BUS 253942 CKT 1
END
CONTINGENCY 'GEN_15AES1'
  REMOVE UNIT 1 FROM BUS 253925
END
CONTINGENCY 'GEN_15AES2'
  REMOVE UNIT 1 FROM BUS 253926
END
CONTINGENCY 'GEN_15BVRVL1'
  REMOVE UNIT 1 FROM BUS 253900
END
CONTINGENCY 'GEN_15BVRVL2'
  REMOVE UNIT 2 FROM BUS 253901
END
CONTINGENCY 'GEN_15CHSWK1'
  REMOVE UNIT 1 FROM BUS 254063
END
CONTINGENCY 'GEN_15BI2'
  REMOVE UNIT 2A FROM BUS 253970
  REMOVE UNIT 2B FROM BUS 253970
END
CONTINGENCY 'GEN_15BI3'
  REMOVE UNIT 3 FROM BUS 253971
END
CONTINGENCY 'GEN_15BI4'
  REMOVE UNIT 4 FROM BUS 253972
END
CONTINGENCY 'GEN_BI234'
  REMOVE UNIT 2A FROM BUS 253970
  REMOVE UNIT 2B FROM BUS 253970
  REMOVE UNIT 3 FROM BUS 253971
```

```
REMOVE UNIT 4 FROM BUS 253972
END
CONTINGENCY 'DRAVO_CAPS'
  OPEN BUS 254029
END
CONTINGENCY 'CHES_CAPS'
  OPEN BUS 254068
END
CONTINGENCY 'WOODVL_CAPS'
  OPEN BUS 253977
END
CONTINGENCY 'BI_REACTOR'
  OPEN BUS 253978
END
CONTINGENCY 'DLCO_Z-14' / 254021 15WMIFN2 138.00 254024 15CLAIRT 138.00 1
  OPEN BRANCH FROM BUS 254021 TO BUS 254024 CKT 1
END
CONTINGENCY 'DLCO_Z-21' / 253935 15CRESCN 138.00 254046 15NORTH 138.00 1
  OPEN BRANCH FROM BUS 253935 TO BUS 254046 CKT 1
END
CONTINGENCY 'DLCO_Z-24' / 253935 15CRESCN 138.00 253961 15MONTOU 138.00 1
  OPEN BRANCH FROM BUS 253935 TO BUS 253961 CKT 1
END
CONTINGENCY 'DLCO_Z-25' / 253935 15CRESCN 138.00 253942 15HOPEWE 138.00 1
  OPEN BRANCH FROM BUS 253935 TO BUS 253942 CKT 1
END
CONTINGENCY 'DLCO_Z-26' / 253935 15CRESCN 138.00 253953 15LEGNVI 138.00 1
  OPEN BRANCH FROM BUS 253935 TO BUS 253953 CKT 1
END
CONTINGENCY 'DLCO_Z-28' / 253903 15BVRVAL 138.00 253935 15CRESCN 138.00 1
  OPEN BRANCH FROM BUS 253903 TO BUS 253935 CKT 1
END
CONTINGENCY 'DLCO_Z-30' / 253903 15BVRVAL 138.00 253906 15MIDLAN 138.00 1
  OPEN BRANCH FROM BUS 253903 TO BUS 253906 CKT 1
END
CONTINGENCY 'DLCO_Z-31' / 253904 15JLFURN 138.00 253905 15JLARC 138.00 1
  OPEN BRANCH FROM BUS 253904 TO BUS 253905 CKT 1
END
CONTINGENCY 'DLCO_Z-32' / 253904 15JLFURN 138.00 253905 15JLARC 138.00 2
  OPEN BRANCH FROM BUS 253904 TO BUS 253905 CKT 2
END
CONTINGENCY 'DLCO_Z-33' / 253903 15BVRVAL 138.00 253913 15JLMID 138.00 1
  OPEN BRANCH FROM BUS 253903 TO BUS 253913 CKT 1
END
CONTINGENCY 'DLCO_Z-34' / 253930 15CLINTN 138.00 253956 15FINDLY 138.00 1
  OPEN BRANCH FROM BUS 253930 TO BUS 253956 CKT 1
END
CONTINGENCY 'DLCO_Z-36' / 253906 15MIDLAN 138.00 253913 15JLMID 138.00 1
  OPEN BRANCH FROM BUS 253906 TO BUS 253913 CKT 1
END
CONTINGENCY 'DLCO_Z-37' / 253903 15BVRVAL 138.00 253914 15RACCOO 138.00 1
  OPEN BRANCH FROM BUS 253903 TO BUS 253914 CKT 1
END
CONTINGENCY 'DLCO_Z-40' / 253964 15COLLIE 138.00 253974 15BI 138.00 1
  OPEN BRANCH FROM BUS 253964 TO BUS 253974 CKT 1
END
CONTINGENCY 'DLCO_Z-41' / 253964 15COLLIE 138.00 253974 15BI 138.00 2
  OPEN BRANCH FROM BUS 253964 TO BUS 253974 CKT 2
END
CONTINGENCY 'DLCO_Z-44' / 253961 15MONTOU 138.00 253974 15BI 138.00 1
  OPEN BRANCH FROM BUS 253961 TO BUS 253974 CKT 1
```

```

END
CONTINGENCY 'DLCO_Z-45' / 253956 15FINDLY 138.00 253961 15MONTOL 138.00 1
  OPEN BRANCH FROM BUS 253956 TO BUS 253961 CKT 1
END
CONTINGENCY 'DLCO_Z-46' / 253976 15BI_12 138.00 254065 15FORBES 138.00 1
  OPEN BRANCH FROM BUS 253976 TO BUS 254065 CKT 1
END
CONTINGENCY 'DLCO_Z-47' / 253988 15CARSON 138.00 253993 15OAKLND 138.00 1
  OPEN BRANCH FROM BUS 253988 TO BUS 253993 CKT 1
END
CONTINGENCY 'DLCO_Z-48' / 253993 15OAKLND 138.00 254065 15FORBES 138.00 1
  OPEN BRANCH FROM BUS 253993 TO BUS 254065 CKT 1
END
CONTINGENCY 'DLCO_Z-51' / 254033 15WILMRD 138.00 254064 15CHESWK 138.00 1
  OPEN BRANCH FROM BUS 254033 TO BUS 254064 CKT 1
END
CONTINGENCY 'DLCO_Z-52' / 254061 15LOGNFR 138.00 254064 15CHESWK 138.00 1
  OPEN BRANCH FROM BUS 254061 TO BUS 254064 CKT 1
END
CONTINGENCY 'DLCO_Z-53' / 254061 15LOGNFR 138.00 254064 15CHESWK 138.00 2
  OPEN BRANCH FROM BUS 254061 TO BUS 254064 CKT 2
END
CONTINGENCY 'DLCO_Z-54' / 254042 15PLUM 138.00 254064 15CHESWK 138.00 1
  OPEN BRANCH FROM BUS 254042 TO BUS 254064 CKT 1
END
CONTINGENCY 'DLCO_Z-56' / 254046 15NORTH 138.00 254064 15CHESWK 138.00 1
  OPEN BRANCH FROM BUS 254046 TO BUS 254064 CKT 1
END
CONTINGENCY 'DLCO_Z-57' / 254026 15USSILL 138.00 254037 15UNIVRS 138.00 1
  OPEN BRANCH FROM BUS 254026 TO BUS 254037 CKT 1
END
CONTINGENCY 'DLCO_Z-59' / 254003 15HIGHLA 138.00 254061 15LOGNFR 138.00 1
  OPEN BRANCH FROM BUS 254003 TO BUS 254061 CKT 1
END
CONTINGENCY 'DLCO_Z-60' / 254003 15HIGHLA 138.00 254061 15LOGNFR 138.00 2
  OPEN BRANCH FROM BUS 254003 TO BUS 254061 CKT 2
END
CONTINGENCY 'DLCO_Z-61' / 254052 15PNECRK 138.00 254064 15CHESWK 138.00 1
  OPEN BRANCH FROM BUS 254052 TO BUS 254064 CKT 1
END
CONTINGENCY 'DLCO_Z-62' / 253964 15COLLIE 138.00 253980 15ELWYN 138.00 1
  OPEN BRANCH FROM BUS 253964 TO BUS 253980 CKT 1
END
CONTINGENCY 'DLCO_Z-63' / 253964 15COLLIE 138.00 253966 15WOODVL 138.00 1
  OPEN BRANCH FROM BUS 253964 TO BUS 253966 CKT 1
END
CONTINGENCY 'DLCO_Z-64' / 253964 15COLLIE 138.00 253966 15WOODVL 138.00 2
  OPEN BRANCH FROM BUS 253964 TO BUS 253966 CKT 2
END
CONTINGENCY 'DLCO_Z-68' / 253998 15ARSENL 138.00 254003 15HIGHLA 138.00 1
  OPEN BRANCH FROM BUS 253998 TO BUS 254003 CKT 1
END
CONTINGENCY 'DLCO_Z-71' / 253988 15CARSON 138.00 254028 15DRAVO 138.00 1
  OPEN BRANCH FROM BUS 253988 TO BUS 254028 CKT 1
END
CONTINGENCY 'DLCO_Z-72' / 254018 15WILSON 138.00 254028 15DRAVO 138.00 1
  OPEN BRANCH FROM BUS 254018 TO BUS 254028 CKT 1
END
CONTINGENCY 'DLCO_Z-73' / 254023 15WMIFFN 138.00 254028 15DRAVO 138.00 1
  OPEN BRANCH FROM BUS 254023 TO BUS 254028 CKT 1
END

```

```

CONTINGENCY 'DLCO_Z-74' / 254021 15WMIFN2 138.00 254028 15DRAVO 138.00 1
  OPEN BRANCH FROM BUS 254021 TO BUS 254028 CKT 1
END
CONTINGENCY 'DLCO_Z-77' / 254028 15DRAVO 138.00 254033 15WILMRD 138.00 1
  OPEN BRANCH FROM BUS 254028 TO BUS 254033 CKT 1
END
CONTINGENCY 'DLCO_Z-79' / 254026 15USSILL 138.00 254028 15DRAVO 138.00 1
  OPEN BRANCH FROM BUS 254026 TO BUS 254028 CKT 1
END
CONTINGENCY 'DLCO_Z-82' / 253917 15VALLEY 138.00 253935 15CRESCN 138.00 1
  OPEN BRANCH FROM BUS 253917 TO BUS 253935 CKT 1
END
CONTINGENCY 'DLCO_Z-83' / 253914 15RACOO 138.00 253920 15POTTER 138.00 2
  OPEN BRANCH FROM BUS 253914 TO BUS 253920 CKT 2
END
CONTINGENCY 'DLCO_Z-183' / 253917 15VALLEY 138.00 253920 15POTTER 138.00 2
  OPEN BRANCH FROM BUS 253917 TO BUS 253920 CKT 2
END
CONTINGENCY 'DLCO_Z-81' / 253914 15RACOO 138.00 253920 15POTTER 138.00 1
  OPEN BRANCH FROM BUS 253914 TO BUS 253920 CKT 1
END
CONTINGENCY 'DLCO_Z-181' / 253917 15VALLEY 138.00 253920 15POTTER 138.00 1
  OPEN BRANCH FROM BUS 253917 TO BUS 253920 CKT 1
END
CONTINGENCY 'DLCO_Z-80' / 253927 15AES 138.00 253920 15POTTER 138.00 Z1
  OPEN BRANCH FROM BUS 253927 TO BUS 253920 CKT Z1
END
CONTINGENCY 'DLCO_Z-92' / 253924 15SHELL 138.00 253920 15POTTER 138.00 Z1
  OPEN BRANCH FROM BUS 253924 TO BUS 253920 CKT Z1
END
CONTINGENCY 'DLCO_Z-192' / 253924 15SHELL 138.00 253920 15POTTER 138.00 Z2
  OPEN BRANCH FROM BUS 253924 TO BUS 253920 CKT Z2
END
CONTINGENCY 'DLCO_Z-86' / 253988 15CARSON 138.00 254065 15FORBES 138.00 1
  OPEN BRANCH FROM BUS 253988 TO BUS 254065 CKT 1
END
CONTINGENCY 'DLCO_Z-88' / 253988 15CARSON 138.00 254025 15BETTIS 138.00 1
  OPEN BRANCH FROM BUS 253988 TO BUS 254025 CKT 1
END
CONTINGENCY 'DLCO_Z-90' / 253942 15HOPEWE 138.00 253953 15LEGNI 138.00 1
  OPEN BRANCH FROM BUS 253942 TO BUS 253953 CKT 1
END
CONTINGENCY 'DLCO_Z-91' / 254028 15DRAVO 138.00 254031 15RANKIN 138.00 1
  OPEN BRANCH FROM BUS 254028 TO BUS 254031 CKT 1
END
CONTINGENCY 'DLCO_Z-101' / 253993 15OAKLND 138.00 253998 15ARSEN 138.00 1
  OPEN BRANCH FROM BUS 253993 TO BUS 253998 CKT 1
END
CONTINGENCY 'DLCO_Z-102' / 254046 15NORTH 138.00 254052 15PNECRK 138.00 1
  OPEN BRANCH FROM BUS 254046 TO BUS 254052 CKT 1
END
CONTINGENCY 'DLCO_Z-103' / 254046 15NORTH 138.00 254049 15WILDWD 138.00 1
  OPEN BRANCH FROM BUS 254046 TO BUS 254049 CKT 1
END
CONTINGENCY 'DLCO_Z-107' / 254025 15BETTIS 138.00 254028 15DRAVO 138.00 1
  OPEN BRANCH FROM BUS 254025 TO BUS 254028 CKT 1
END
CONTINGENCY 'DLCO_Z-143' / 253935 15CRESCN 138.00 253958 15SEWICK 138.00 1
  OPEN BRANCH FROM BUS 253935 TO BUS 253958 CKT 1
END
CONTINGENCY 'DLCO_Z-152' / 254037 15UNIVRS 138.00 254061 15LOGNFR 138.00 1

```

```

OPEN BRANCH FROM BUS 254037 TO BUS 254061 CKT 1
END
CONTINGENCY 'DLCO_Z-154' / 254037 15UNIVRS 138.00 254042 15PLUM 138.00 1
OPEN BRANCH FROM BUS 254037 TO BUS 254042 CKT 1
END
CONTINGENCY 'DLCO_Z-162' / 253964 15COLLIE 138.00 253980 15ELWYN 138.00 2
OPEN BRANCH FROM BUS 253964 TO BUS 253980 CKT 2
END
CONTINGENCY 'DLCO_BVRVAL_1-3_138' / 253902 15BVRVAL 345.00 253903 15BVRVAL 138.00 1
OPEN BRANCH FROM BUS 253902 TO BUS 253903 CKT 1
END
CONTINGENCY 'DLCO_BVRVAL_2-4_138' / 253902 15BVRVAL 345.00 253903 15BVRVAL 138.00 2
OPEN BRANCH FROM BUS 253902 TO BUS 253903 CKT 2
END
CONTINGENCY 'DLCO_BVRVAL_3-8_138' / 253902 15BVRVAL 345.00 253904 15JLFURN 138.00 1
OPEN BRANCH FROM BUS 253902 TO BUS 253904 CKT 1
END
CONTINGENCY 'DLCO_VALLEY_69' / 253915 15VALLEY 69.000 253917 15VALLEY 138.00 1
OPEN BRANCH FROM BUS 253915 TO BUS 253917 CKT 1
END
CONTINGENCY 'DLCO_CLINTN_138' / 253930 15CLINTN 138.00 253931 15CLINTN 345.00 1
OPEN BRANCH FROM BUS 253930 TO BUS 253931 CKT 1
END
CONTINGENCY 'DLCO_CRESCN_1_138' / 253935 15CRESCN 138.00 253936 15CRESCN 345.00 1
OPEN BRANCH FROM BUS 253935 TO BUS 253936 CKT 1
END
CONTINGENCY 'DLCO_CRESCN_2_138' / 253935 15CRESCN 138.00 253936 15CRESCN 345.00 2
OPEN BRANCH FROM BUS 253935 TO BUS 253936 CKT 2
END
CONTINGENCY 'DLCO_CRESCN_3_148' / 253935 15CRESCN 138.00 253936 15CRESCN 345.00 3
OPEN BRANCH FROM BUS 253935 TO BUS 253936 CKT 3
END
CONTINGENCY 'DLCO_HOPEWE_69' / 253941 15HOPEWE 69.000 253942 15HOPEWE 138.00 1
OPEN BRANCH FROM BUS 253941 TO BUS 253942 CKT 1
END
CONTINGENCY 'DLCO_COLLIE_1_138' / 253964 15COLLIE 138.00 253965 15COLLIE 345.00 1
OPEN BRANCH FROM BUS 253964 TO BUS 253965 CKT 1
END
CONTINGENCY 'DLCO_COLLIE_2_138' / 253964 15COLLIE 138.00 253965 15COLLIE 345.00 2
OPEN BRANCH FROM BUS 253964 TO BUS 253965 CKT 2
END
CONTINGENCY 'DLCO_COLLIE_3_138' / 253964 15COLLIE 138.00 253965 15COLLIE 345.00 3
OPEN BRANCH FROM BUS 253964 TO BUS 253965 CKT 3
END
CONTINGENCY 'DLCO_BI_1_69' / 253973 15BI 69.000 253974 15BI 138.00 1
OPEN BRANCH FROM BUS 253973 TO BUS 253974 CKT 1
END
CONTINGENCY 'DLCO_BI_2_69' / 253973 15BI 69.000 253974 15BI 138.00 2
OPEN BRANCH FROM BUS 253973 TO BUS 253974 CKT 2
END
CONTINGENCY 'DLCO_BI_1_138' / 253976 15BI_12 138.00 253975 15BI 345.00 1
OPEN BRANCH FROM BUS 253976 TO BUS 253975 CKT 1
END
CONTINGENCY 'DLCO_CARSON_138' / 253988 15CARSON 138.00 253990 15CARSON 345.00 1
OPEN BRANCH FROM BUS 253988 TO BUS 253990 CKT 1
END
CONTINGENCY 'DLCO_ARSENAL_138' / 253998 15ARSENL 138.00 253999 15ARSENL 345.00 1
OPEN BRANCH FROM BUS 253998 TO BUS 253999 CKT 1
END
CONTINGENCY 'DLCO_DRAVO_1_69' / 254027 15DRAVO 69.000 254028 15DRAVO 138.00 1
OPEN BRANCH FROM BUS 254027 TO BUS 254028 CKT 1

```

```

END
CONTINGENCY 'DLCO_DRAVO_2_69' / 254027 15DRAVO 69.000 254028 15DRAVO 138.00 2
  OPEN BRANCH FROM BUS 254027 TO BUS 254028 CKT 2
END
CONTINGENCY 'DLCO_LOGNFR_138' / 254061 15LOGNFR 138.00 254062 15LOGNFR 345.00 1
  OPEN BRANCH FROM BUS 254061 TO BUS 254062 CKT 1
END
CONTINGENCY '253969 15BI1 13.2'
  REMOVE MACHINE 1A FROM BUS 253969 // PMAX=15.9 MW / PGEN=15.4 MW
END
CONTINGENCY '299983 U3-029 C 21.5'
  REMOVE MACHINE 1 FROM BUS 299983 // PMAX=37.0 MW / PGEN=35.8 MW
END
CONTINGENCY '299988 U3-030 C 21.5'
  REMOVE MACHINE 1 FROM BUS 299988 // PMAX=38.0 MW / PGEN=36.8 MW
END
CONTINGENCY '15BI-15BI_12'
  DISCONNECT BRANCH FROM BUS 253974 TO BUS 253976 CKT Z1
END
CONTINGENCY '15WILSON-15WMIFFN'
  DISCONNECT BRANCH FROM BUS 254018 TO BUS 254023 CKT 1
END
CONTINGENCY '15WMIFN2-15WMIFFN'
  DISCONNECT BRANCH FROM BUS 254021 TO BUS 254023 CKT Z1
END
CONTINGENCY '15BOCGST-15BOCGAS'
  DISCONNECT BRANCH FROM BUS 254041 TO BUS 254043 CKT 1
END
CONTINGENCY '15BOCGST-15LOGNFR'
  DISCONNECT BRANCH FROM BUS 254041 TO BUS 254061 CKT 1
END
CONTINGENCY '15EVRGRT-15EVRGRN'
  DISCONNECT BRANCH FROM BUS 254059 TO BUS 254060 CKT 1
END
/*=====EKPC=====
CONTINGENCY 'B2 HEBRON-EKPC HEBRON 138TIE'
  OPEN BUS 342595
END
CONTINGENCY 'EKPC CIRCUIT AVON TO NORTH CLARK 345 KV'
  OPEN BRANCH FROM BUS 342835 TO BUS 342829 CKT 1 /342835 7N.CLARK 345.00 342829 7AVON 345.00
  OPEN BRANCH FROM BUS 342829 TO BUS 342541 CKT 1 /342829 7AVON 345.00 342541 4AVON 138.00
END
CONTINGENCY 'EKPC CIRCUIT JK SMITH TO NORTH CLARK 345 KV'
  OPEN BRANCH FROM BUS 342835 TO BUS 342832 CKT 1 /342835 7N.CLARK 345.00 342832 7JKSMIT2 345.00
END
CONTINGENCY 'EKPC CIRCUIT JK SMITH TO WEST GARRARD 345 KV'
  OPEN BRANCH FROM BUS 342832 TO BUS 342841 CKT 1 /342832 7JKSMIT2 345.00 342841 7W.GAREK 345.00
END
CONTINGENCY 'EKPC CIRCUIT NORTH CLARK TO SPURLOCK 345 KV'
  OPEN BRANCH FROM BUS 342838 TO BUS 342835 CKT 1 /342838 7SPURLCK 345.00 342835 7N.CLARK 345.00
END
CONTINGENCY 'EKPC TRAN JKSMITH 345-138 KV #1'
  OPEN BRANCH FROM BUS 342610 TO BUS 342832 CKT 1 /342610 4JKSMIT2 138.00 342832 7JKSMIT2 345.00
  OPEN BRANCH FROM BUS 342610 TO BUS 342607 CKT 1 /342610 4JKSMIT2 138.00 342607 4JKSMITH 138.00
END
CONTINGENCY 'EKPC TRAN JKSMITH 345-138 KV #2'
  OPEN BRANCH FROM BUS 342613 TO BUS 342832 CKT 1 /342613 4JKSMIT2 138.00 342832 7JKSMIT2 345.00
  OPEN BRANCH FROM BUS 342613 TO BUS 342607 CKT 1 /342613 4JKSMIT2 138.00 342607 4JKSMITH 138.00
END
CONTINGENCY 'EKPC LINE BULLITT CO TO SUMMER SHADE TAP 161 KV-3-3-2' /*EKPC LINE BULLITT CO TO SUMMER
SHADE TAP 161 KV

```


OPEN BRANCH FROM BUS 342811 TO BUS 342700 CKT 1	/342811 5SUMSHAT 161 342700 5BLIT CO 161 1
END	
CONTINGENCY 'EKPC LINE SUMMER SHADE TO SUMMER SHADE TAP 161 KV-4-3' /*EKPC LINE SUMMER SHADE TO SUMMER SHADE TAP 161 KV	
OPEN BRANCH FROM BUS 342811 TO BUS 342814 CKT 1	/ 342811 5SUMSHAD 161 342814 5SUMSHAT 161 1
END	
CONTINGENCY 'EKPC CIRCUIT BULLITT CO TO SHELBY CO 161 KV'	
OPEN BRANCH FROM BUS 342700 TO BUS 342766 CKT 1	/342700 5BLIT CO 161.00 342766 5LITLMJ 161.00
OPEN BRANCH FROM BUS 342766 TO BUS 342724 CKT 1	/342766 5LITLMJ 161.00 342724 5DARWN J 161.00
OPEN BRANCH FROM BUS 342724 TO BUS 342721 CKT 1	/342724 5DARWN J 161.00 342721 5DARWN T 161.00
OPEN BRANCH FROM BUS 342724 TO BUS 342808 CKT 1	/342724 5DARWN J 161.00 342808 5SHELBYCO 161.00
END	
CONTINGENCY 'EKPC CIRCUIT COOPER TO LIBERTY JCT 161 KV'	
OPEN BRANCH FROM BUS 342760 TO BUS 342790 CKT 1	/342760 5LIBERTJ 161 342790 5PULASKJ 161 1
OPEN BRANCH FROM BUS 342790 TO BUS 342787 CKT 1	/342790 5PULASKJ 161 342787 5PULASKI 161 1
OPEN BRANCH FROM BUS 342790 TO BUS 342715 CKT 1	/342790 5PULASKJ 161 342715 5COOPR-1 161 1
OPEN BRANCH FROM BUS 342787 TO BUS 342115 CKT 1	/342787 5PULASKI 161 342115 2PULASKI 69 1
END	
CONTINGENCY 'EKPC LINE COOPER-PULASKI JCT 161 KV'	
OPEN BRANCH FROM BUS 342790 TO BUS 342715 CKT 1	/342790 5PULASKJ 161 342715 5COOPR-1 161 1
END	
CONTINGENCY 'EKPC LINE LIBERTY JCT-PULASKI JCT 161 KV'	
OPEN BRANCH FROM BUS 342760 TO BUS 342790 CKT 1	/342760 5LIBERTJ 161 342790 5PULASKJ 161 1
END	
CONTINGENCY 'EKPC CIRCUIT COOPER TO LAUREL DAM 161 KV'	
OPEN BRANCH FROM BUS 342718 TO BUS 342757 CKT 1	/342718 5COOPR-2 161 342757 5LAURLDM 161 1
END	
CONTINGENCY 'EKPC LINE COOPER TO SOUTH OAKHILL JCT 161 KV'	
OPEN BRANCH FROM BUS 342715 TO BUS 342799 CKT 1	/342715 5COOPR-1 161 342799 5S.OAKHL 161 1
END	
CONTINGENCY 'EKPC LINE JABEZ JCT-SOUTH OAKHILL JCT 161 KV'	
OPEN BRANCH FROM BUS 342799 TO BUS 342745 CKT 1	/342799 5S.OAKHL 161 342745 5JABEZ J 161 1
END	
CONTINGENCY 'EKPC LINE JAMESTOWN JCT-RUSSELL CO JCT 161 KV-6-6-6-4' /*EKPC LINE JAMESTOWN JCT-RUSSELL CO JCT 161 KV	
OPEN BRANCH FROM BUS 342751 TO BUS 342796 CKT 1	/342751 5JAMESTJ 161 342796 5RUSSCOJ 161 1
END	
CONTINGENCY 'EKPC LINE GREEN CO-TAYLOR CO JCT 161 KV'	
OPEN BRANCH FROM BUS 342817 TO BUS 342733 CKT 1	/342817 5TAYLRCJ 161 342733 5GREENCO 161 1
END	
CONTINGENCY 'EKPC LINE MARION CO-MARION CO JCT 161 KV'	
OPEN BRANCH FROM BUS 342769 TO BUS 342775 CKT 1	/342769 5MARIOEK 161 342775 5MARIONJ 161 1
END	
CONTINGENCY 'EKPC LINE MARION CO-SALOMA 161 KV'	
OPEN BRANCH FROM BUS 342775 TO BUS 342805 CKT 1	/342775 5MARIONJ 161 342805 5SALOMEJ 161 1
END	
CONTINGENCY 'EKPC LINE SALOMA JCT-TAYLOR CO JCT 161 KV'	
OPEN BRANCH FROM BUS 342805 TO BUS 342817 CKT 1	/342805 5SALOMEJ 161 342817 5TAYLRCJ 161 1
END	
CONTINGENCY 'EKPC CIRCUIT GREEN CO TO SUMMER SHADE 161 KV'	
OPEN BRANCH FROM BUS 342733 TO BUS 342814 CKT 1	/342733 5GREENCO 161 342814 5SUMSHAD 161 1
END	
CONTINGENCY 'EKPC CIRCUIT LAUREL CO TO LAUREL DAM 161 KV'	
OPEN BRANCH FROM BUS 342754 TO BUS 342757 CKT 1	/342754 5LAURLCO 161 342757 5LAURLDM 161 1
END	
CONTINGENCY 'EKPC LINE LAUREL CO-PITTSBURG JCT 161 KV'	
OPEN BRANCH FROM BUS 342781 TO BUS 342754 CKT 1	/342781 5PITTSBG 161 342754 5LAURLCO 161 1
END	
CONTINGENCY 'EKPC LINE PITTSBURG JCT-TYNER 161 KV'	
OPEN BRANCH FROM BUS 342820 TO BUS 342781 CKT 1	/342820 5TYNER 161 342781 5PITTSBG 161 1
END	

CONTINGENCY 'EKPC CIRCUIT LIBERTY JCT TO MARION CO 161 KV'	
OPEN BRANCH FROM BUS 342769 TO BUS 342703 CKT 1	/342769 5MARIOEK 161 342703 5CASEYCO 161 1
OPEN BRANCH FROM BUS 342703 TO BUS 341269 CKT 1	/342703 5CASEYCO 161 341269 2CASEYCO 69 1
OPEN BRANCH FROM BUS 342703 TO BUS 342760 CKT 1	/342703 5CASEYCO 161 342760 5LIBERTJ 161 1
END	
CONTINGENCY 'EKPC LINE CASEY CO-LIBERTY JCT 161 KV'	
OPEN BRANCH FROM BUS 342703 TO BUS 342760 CKT 1	/342703 5CASEYCO 161 342760 5LIBERTJ 161 1
END	
CONTINGENCY 'EKPC LINE CASEY CO-MARION CO 161 KV'	
OPEN BRANCH FROM BUS 342769 TO BUS 342703 CKT 1	/342769 5MARIOEK 161 342703 5CASEYCO 161 1
END	
CONTINGENCY 'EKPC LINE BEATTYVILLE JCT TO POWELL CO 161 KV-7-7-7-5' /*EKPC LINE BEATTYVILLE JCT TO POWELL CO 161 KV	
OPEN BRANCH FROM BUS 342784 TO BUS 342697 CKT 1	/342784 5POWELCO 161 342697 5BEATTYV 161 1
END	
CONTINGENCY 'EKPC TRAN POWELL CO 161-138 KV'	
OPEN BRANCH FROM BUS 342784 TO BUS 342637 CKT 1	/342784 5POWELCO 161 342637 4POWELCO 138 1
END	
CONTINGENCY 'EKPC LINE TYNER-GREEN HALL JCT 161 KV'	
OPEN BRANCH FROM BUS 342820 TO BUS 342736 CKT 1	/342820 5TYNER 161 342736 5GRN HLJ 161 1
END	
CONTINGENCY 'EKPC LINE AVON TO BOONESBORO NORTH TAP 138 KV-8-8-8-6' /*EKPC LINE AVON TO BOONESBORO NORTH TAP 138 KV	
OPEN BRANCH FROM BUS 342541 TO BUS 342556 CKT 1	/342541 4AVON 138.00 342556 4BECKNERVILLE T 138.00
END	
CONTINGENCY 'EKPC LINE DALE TO BOONESBORO NORTH TAP 138 KV-9-9-9-7' /*EKPC LINE DALE TO BOONESBORO NORTH TAP 138 KV	
OPEN BRANCH FROM BUS 342574 TO BUS 342565 CKT 1	/342574 4DALE 138.00 342565 4BBORO T 138.00
END	
CONTINGENCY 'EKPC CIRCUIT AVON TO FAYETTE 138-69 KV'	
OPEN BRANCH FROM BUS 342541 TO BUS 342580 CKT 1	/342541 4AVON 138.00 342580 4FAYETTE 138.00
OPEN BRANCH FROM BUS 342580 TO BUS 341467 CKT 1	/342580 4FAYETTE 138.00 341467 2FAYETTE 69.00
END	
CONTINGENCY 'EKPC LINE AVON TO PARIS KU TAP 138 KV'	
OPEN BRANCH FROM BUS 342541 TO BUS 342631 CKT 1	/342541 4AVON 138.00 342631 4PARIS T 138.00
END	
CONTINGENCY 'EKPC LINE RENAHER TO JACKSONVILLE JCT 138 KV'	
OPEN BRANCH FROM BUS 342604 TO BUS 342640 CKT 1	/342604 4JACKSVJ 138.00 342640 4RENAHER 138.00
END	
CONTINGENCY 'EKPC LINE GALLATIN CO TO STERLING JCT 138 KV'	
OPEN BRANCH FROM BUS 342673 TO BUS 342586 CKT 1	/342673 4STERLEJ 138.00 342586 4GALLATN 138.00
END	
CONTINGENCY 'EKPC CIRCUIT BOONE CO TO RENAHER 138 KV'	
OPEN BRANCH FROM BUS 342559 TO BUS 342550 CKT 1	/342559 4BOONECO 138.00 342550 4BAVR LF 138.00
REDUCE BUS 342550 LOAD BY 100 PERCENT	/342550 4BAVR LF 138.00
OPEN BRANCH FROM BUS 342550 TO BUS 342640 CKT 1	/342550 4BAVR LF 138.00 342640 4RENAHER 138.00
END	
CONTINGENCY 'EKPC LINE BOONE CO TO BAVARIAN LANDFILL 138 KV-10-1-8' /*EKPC LINE BOONE CO TO BAVARIAN LANDFILL 138 KV	
OPEN BRANCH FROM BUS 342550 TO BUS 342559 CKT 1	/342550 4BAVR LF 138.00 342559 4BOONECO 138.00
END	
CONTINGENCY 'EKPC LINE RENAHER TO BAVARIAN LANDFILL 138 KV-11-11-9' /*EKPC LINE RENAHER TO BAVARIAN LANDFILL 138 KV	
OPEN BRANCH FROM BUS 342550 TO BUS 342640 CKT 1	/342550 4BAVR LF 138.00 342640 4RENAHER 138.00
END	
CONTINGENCY 'EKPC CIRCUIT BOONE CO TO STANLEY PARKER 138 KV-12-1-10' /*EKPC CIRCUIT BOONE CO TO STANLEY PARKER 138 KV	
OPEN BRANCH FROM BUS 342559 TO BUS 342646 CKT 1	/342559 4BOONECO 138.00 342646 4RICHW J 138.00
OPEN BRANCH FROM BUS 342646 TO BUS 342643 CKT 1	/342646 4RICHW J 138.00 342643 4RICHWOO 138.00
REDUCE BUS 342643 LOAD BY 100 PERCENT	/342643 4RICHWOO 138.00

OPEN BRANCH FROM BUS 342646 TO BUS 342667 CKT 1	/342646 4RICHW J 138.00 342667 4STANPKR 138.00
END	
CONTINGENCY 'EKPC LINE BOONE CO TO RICHWOOD JCT 138 KV'	
OPEN BRANCH FROM BUS 342559 TO BUS 342646 CKT 1	/342559 4BOONECO 138.00 342646 4RICHW J 138.00
END	
CONTINGENCY 'EKPC LINE STANLEY PARKER TO RICHWOOD JCT 138 KV-13--11' /*EKPC LINE STANLEY PARKER TO RICHWOOD JCT 138 KV	
OPEN BRANCH FROM BUS 342646 TO BUS 342667 CKT 1	/342646 4RICHW J 138.00 342667 4STANPKR 138.00
END	
CONTINGENCY 'EKPC CIRCUIT DALE TO FAWKES 138 KV'	
OPEN BRANCH FROM BUS 342574 TO BUS 342676 CKT 1	/342574 4DALE 138 342676 4THREEFJ 138 1
OPEN BRANCH FROM BUS 342676 TO BUS 342679 CKT 1	/342676 4THREEFJ 138 342679 4THREEFK 138 1
REDUCE BUS 342679 LOAD BY 100 PERCENT	/342679 4THREEFK 138
OPEN BRANCH FROM BUS 342676 TO BUS 342577 CKT 1	/342676 4THREEFJ 138 342577 4FAWKSEK 138 1
END	
CONTINGENCY 'EKPC LINE DALE-THREE FORKS JCT 138 KV'	
OPEN BRANCH FROM BUS 342574 TO BUS 342676 CKT 1	/342574 4DALE 138 342676 4THREEFJ 138 1
END	
CONTINGENCY 'EKPC LINE FAWKES-THREE FORKS JCT 138 KV'	
OPEN BRANCH FROM BUS 342676 TO BUS 342577 CKT 1	/342676 4THREEFJ 138 342577 4FAWKSEK 138 1
END	
CONTINGENCY 'EKPC CIRCUIT DALE TO JK SMITH 138 KV'	
OPEN BRANCH FROM BUS 342607 TO BUS 342574 CKT 1	/342607 4JKSMITH 138.00 342574 4DALE 138.00
END	
CONTINGENCY 'EKPC CIRCUIT FAWKES EKPC TO JK SMITH 138 KV'	
OPEN BRANCH FROM BUS 342607 TO BUS 342577 CKT 1	/342607 4JKSMITH 138.00 342577 4FAWKSEK 138.00
END	
CONTINGENCY 'EKPC CIRCUIT GODDARD TO PLUMVILLE 138 KV'	
OPEN BRANCH FROM BUS 342634 TO BUS 342589 CKT 1	/342634 4PLUMVIL 138.00 342589 4GODDARD 138.00
END	
CONTINGENCY 'EKPC CIRCUIT GODDARD TO ROWAN CO 138 KV'	
OPEN BRANCH FROM BUS 342589 TO BUS 342592 CKT 1	/342589 4GODDRDJ 138.00 342592 4GODDARD 138.00
OPEN BRANCH FROM BUS 342592 TO BUS 342571 CKT 1	/342592 4GODDRDJ 138.00 342571 4CRANSTN 138.00
REDUCE BUS 342571 LOAD BY 100 PERCENT	/342571 4CRANSTN 138.00
OPEN BRANCH FROM BUS 342571 TO BUS 342649 CKT 1	/342571 4CRANSTN 138.00 342649 4ROWANCO
138.00	
END	
CONTINGENCY 'EKPC LINE GODDARD TO CRANSTON 138 KV'	
OPEN BRANCH FROM BUS 342589 TO BUS 342592 CKT 1	/342589 4GODDRDJ 138.00 342592 4GODDARD 138.00
OPEN BRANCH FROM BUS 342592 TO BUS 342571 CKT 1	/342592 4GODDRDJ 138.00 342571 4CRANSTN 138.00
END	
CONTINGENCY 'EKPC LINE ROWAN CO TO CRANSTON 138 KV'	
OPEN BRANCH FROM BUS 342649 TO BUS 342571 CKT 1	/342649 4ROWANCO 138.00 342571 4CRANSTN
138.00	
END	
CONTINGENCY 'EKPC LINE FLEMINGSBURG TO GODDARD 138 KV'	
OPEN BRANCH FROM BUS 342583 TO BUS 342589 CKT 1	/342583 4FLEMING 138.00 342589 4GODDARD 138.00
END	
CONTINGENCY 'EKPC LINE JK SMITH TO UNION CITY JCT 138 KV'	
OPEN BRANCH FROM BUS 342607 TO BUS 342688 CKT 1	/342607 4JKSMITH 138.00 342688 4UNIONCY 138.00
END	
CONTINGENCY 'EKPC CIRCUIT JK SMITH TO POWELL CO 138 KV'	
OPEN BRANCH FROM BUS 342607 TO BUS 342637 CKT 1	/342607 4JKSMITH 138.00 342637 4POWELCO 138.00
END	
CONTINGENCY 'EKPC CIRCUIT PLUMVILLE TO SPURLOCK 138 KV'	
OPEN BRANCH FROM BUS 342634 TO BUS 342622 CKT 1	/342634 4PLUMVIL 138.00 342622 4MAYSVLJ 138.00
OPEN BRANCH FROM BUS 342622 TO BUS 342625 CKT 1	/342622 4MAYSVLJ 138.00 342625 4MAYSVLI 138.00
REDUCE BUS 342625 LOAD BY 100 PERCENT	/342625 4MAYSVLI 138.00
OPEN BRANCH FROM BUS 342622 TO BUS 342664 CKT 1	/342622 4MAYSVLJ 138.00 342664 4SPURLCK 138.00
END	
CONTINGENCY 'EKPC LINE PLUMVILLE TO MAYSVILLE JCT 138 KV'	

```

OPEN BRANCH FROM BUS 342634 TO BUS 342622 CKT 1          /342634 4PLUMVIL 138.00 342622 4MAYSVLJ 138.00
END
CONTINGENCY 'EKPC LINE SPURLOCK TO MAYSVILLE JCT 138 KV'
OPEN BRANCH FROM BUS 342664 TO BUS 342622 CKT 1          /342664 4SPURLCK 138.00 342622 4MAYSVLJ 138.00
END
CONTINGENCY 'EKPC CIRCUIT RENAHER TO SPURLOCK 138 KV'
OPEN BRANCH FROM BUS 342640 TO BUS 342664 CKT 1          /342640 4RENAHER 138.00 342664 4SPURLCK 138.00
END
CONTINGENCY 'EKPC CIRCUIT SPURLOCK TO STANLEY PARKER 138 KV-14-1-12' /*EKPC CIRCUIT SPURLOCK TO
STANLEY PARKER 138 KV
OPEN BRANCH FROM BUS 342664 TO BUS 342667 CKT 1          /342664 4SPURLCK 138.00 342667 4STANPKR 138.00
END
CONTINGENCY 'COOPER UNIT #1 13.8 KV'
REMOVE MACHINE 1 FROM BUS 342900                          /342900 5CPR 1G 13.8
END
CONTINGENCY 'COOPER UNIT #2 20.0 KV'
REMOVE MACHINE 1 FROM BUS 342903                          /342903 5CPR 2G 20.0
END
CONTINGENCY 'JK SMITH CT #1 13.8 KV'
REMOVE MACHINE 1 FROM BUS 342918                          /342918 1JKCT 1G 13.8
END
CONTINGENCY 'JK SMITH CT #2 13.8 KV'
REMOVE MACHINE 1 FROM BUS 342921                          /342921 1JKCT 2G 13.8
END
CONTINGENCY 'JK SMITH CT #3 13.8 KV'
REMOVE MACHINE 1 FROM BUS 342924                          /342924 1JKCT 3G 13.8
END
CONTINGENCY 'SPURLOCK UNIT #1 22 KV'
REMOVE MACHINE 1 FROM BUS 342957                          /342957 1SPLK 1G 22.0
END
CONTINGENCY 'SPURLOCK UNIT #2 22 KV'
REMOVE MACHINE 1 FROM BUS 342960                          /342960 1SPLK 2G 22.0
END
CONTINGENCY 'EA GILBERT (SPURLOCK) UNIT #3 18 KV'
REMOVE MACHINE 1 FROM BUS 342963                          /342963 1EAG 3G 18.0
END
CONTINGENCY 'SPURLOCK UNIT #4 18 KV'
REMOVE MACHINE 1 FROM BUS 342966                          /342966 1SPLK 4G 18.0
END
CONTINGENCY 'EKPC CIRCUIT SUMMER SHADE EKPC-TVA 161 KV'
OPEN BRANCH FROM BUS 342814 TO BUS 342322 CKT 1          /342814 5SUMSHAD 161 342322 2SUMSHAD 69 1
OPEN BRANCH FROM BUS 342811 TO BUS 342814 CKT 1          /342811 5SUMSHAD 161 342814 5SUMMER SHAD 161
1
END
CONTINGENCY 'EKPC LINE FLEMINGBURG TO SPURLOCK 138 KV'
OPEN BRANCH FROM BUS 342583 TO BUS 342664 CKT 1          /342583 4FLEMING 138.00 342664 4KENTN T 138.00
END
CONTINGENCY 'EKPC TRAN SPURLOCK 345-138 KV T9'
OPEN BRANCH FROM BUS 342664 TO BUS 342838 CKT 1          /342664 4SPURLCK 138.00 342838 7SPURLCK 345.00
END
CONTINGENCY 'EKPC TRAN SPURLOCK 345-138 KV T10'
OPEN BRANCH FROM BUS 342664 TO BUS 342838 CKT 2          /342664 4SPURLCK 138.00 342838 7SPURLCK 345.00
END
CONTINGENCY 'EKPC TRAN SPURLOCK 345-138 KV T12'
OPEN BRANCH FROM BUS 342664 TO BUS 342838 CKT 3          /342664 4SPURLCK 138.00 342838 7SPURLCK 345.00
END
CONTINGENCY 'EKPC BREAKER COOPER BUS#1-COOPER BUS #2 161 K-20-14-13' /*EKPC BREAKER COOPER BUS#1-
COOPER BUS #2 161 KV
OPEN BRANCH FROM BUS 342715 TO BUS 342718 CKT 1          / 342715 5COOPR-1 161 342718 5COOPR-2 161 1
END
CONTINGENCY '170_B2'

```

```

OPEN BRANCH FROM BUS 342622 TO BUS 342634 CKT 1      / 342622 4MAYSVLJ 138 342634 4PLUMVIL 138 1
OPEN BRANCH FROM BUS 342622 TO BUS 342664 CKT 1      / 342662 4MAYSVLJ 138 342664 4SPURLCK 138 1
END
CONTINGENCY 'EKPC CIRCUIT BOONE CO TO GALLATIN CO 138 KV'
/*OPEN BRANCH FROM BUS 342559 TO BUS 342562 CKT 1    /342559 4BOONECO 138.00 342562 4BOONE-R 138.00
/*OPEN BRANCH FROM BUS 342562 TO BUS 342673 CKT 1    /342562 4BOONE-R 138.00 342673 4STERLEJ 138.00
OPEN BRANCH FROM BUS 342559 TO BUS 342673 CKT 1
OPEN BRANCH FROM BUS 342673 TO BUS 342670 CKT 1      /342673 4STERLEJ 138.00 342670 4STERLEK 138.00
REDUCE BUS 342670 LOAD BY 100 PERCENT                /342670 4STERLEK 138.00
OPEN BRANCH FROM BUS 342673 TO BUS 342586 CKT 1      /342673 4STERLEJ 138.00 342586 4GALLATN 138.00
END
CONTINGENCY 'EKPC LINE BOONE CO TO STERLING JCT 138 KV'
/*OPEN BRANCH FROM BUS 342559 TO BUS 342562 CKT 1    /342559 4BOONECO 138.00 342562 4BOONE-R 138.00
/*OPEN BRANCH FROM BUS 342562 TO BUS 342673 CKT 1    /342562 4BOONE-R 138.00 342673 4STERLEJ 138.00
OPEN BRANCH FROM BUS 342559 TO BUS 342673 CKT 1
END
CONTINGENCY '3216_B2'
OPEN BRANCH FROM BUS 342541 TO BUS 342556 CKT 1      /342541 4AVON 138 342556 4BECKNERVIL 138 1
OPEN BRANCH FROM BUS 342567 TO BUS 342565 CKT 1      /341196 4BBORO N 138 342565 4BBORO T 138 1
OPEN BRANCH FROM BUS 342565 TO BUS 342574 CKT 1      /342565 4BBORO T 138 342574 4DALE 138 1
OPEN BRANCH FROM BUS 342565 TO BUS 342556 CKT 1      /342565 4BBORO T 138 342556 4BECKNERVIL 138 1
OPEN BRANCH FROM BUS 342556 TO BUS 342553 CKT 1      /342556 4BECKNERVIL T 138 342553 4BECKNERVIL
138 1
OPEN BRANCH FROM BUS 342567 TO BUS 342565 CKT 1      /341196 4BBORO N 138 342565 2BOONSB 69.0 1
END
CONTINGENCY '342927 1JKCT 4G 13.8'
REMOVE MACHINE 1 FROM BUS 342927                    // PMAX=73.0 MW / PGEN=70.6 MW
END
CONTINGENCY '342930 1JKCT 5G 13.8'
REMOVE MACHINE 1 FROM BUS 342930                    // PMAX=73.0 MW / PGEN=70.6 MW
END
CONTINGENCY '342933 1JKCT 6G 13.8'
REMOVE MACHINE 1 FROM BUS 342933                    // PMAX=73.0 MW / PGEN=70.6 MW
END
CONTINGENCY '342936 1JKCT 7G 13.8'
REMOVE MACHINE 1 FROM BUS 342936                    // PMAX=73.0 MW / PGEN=70.6 MW
END
CONTINGENCY '342939 1JKCT 9G 13.8'
REMOVE MACHINE 1 FROM BUS 342939                    // PMAX=76.0 MW / PGEN=73.5 MW
END
CONTINGENCY '342942 1JKCT 10G 13.8'
REMOVE MACHINE 1 FROM BUS 342942                    // PMAX=76.0 MW / PGEN=73.5 MW
END
CONTINGENCY '342945 1LAUREL 1G 13.8'
REMOVE MACHINE 1 FROM BUS 342945                    // PMAX=70.0 MW / PGEN=67.7 MW
END
CONTINGENCY '342948 1LOVE HYDRO 4.16'
REMOVE MACHINE 1 FROM BUS 342948                    // PMAX=22.0 MW / PGEN=21.3 MW
REMOVE MACHINE 2 FROM BUS 342948                    // PMAX=22.0 MW / PGEN=21.3 MW
REMOVE MACHINE 3 FROM BUS 342948                    // PMAX=22.0 MW / PGEN=21.3 MW
END
CONTINGENCY '1DALE 1G'
REMOVE MACHINE 1 FROM BUS 342907
END
CONTINGENCY '1DALE 2G'
REMOVE MACHINE 1 FROM BUS 342909
END
CONTINGENCY '1DALE 3G'
REMOVE MACHINE 1 FROM BUS 342910
END
CONTINGENCY '1DALE 4G'

```

```

REMOVE MACHINE 1 FROM BUS 342911
END
CONTINGENCY '5CEDAR G IP-5CEDAR G IP2'
  DISCONNECT BRANCH FROM BUS 342706 TO BUS 342712 CKT 1
END
CONTINGENCY '4SPURLOCK-4INLAND C T'
  DISCONNECT BRANCH FROM BUS 342664 TO BUS 342598 CKT 1
END
CONTINGENCY '4UNION CITY-4UNION CTY T'
  DISCONNECT BRANCH FROM BUS 342685 TO BUS 342688 CKT 1
END
CONTINGENCY '5BARREN CO-5SUMM SHADE'
  DISCONNECT BRANCH FROM BUS 342694 TO BUS 342814 CKT 1
END
CONTINGENCY '5LITTLE MT-5LITTLE MT T'
  DISCONNECT BRANCH FROM BUS 342763 TO BUS 342766 CKT 1
END
CONTINGENCY '4W BERE-4FAWKES EK'
  DISCONNECT BRANCH FROM BUS 342691 TO BUS 342577 CKT 1
END
CONTINGENCY '5FALL ROCK-5TYNER'
  DISCONNECT BRANCH FROM BUS 342730 TO BUS 342820 CKT 1
END
CONTINGENCY '5COOPER2-5DENNY'
  DISCONNECT BRANCH FROM BUS 342718 TO BUS 342727 CKT 1
END
/*=====EKPC TIES=====
CONTINGENCY 'AEP CIRCUIT ARGENTUM TO GREENUP DAM 138 KV'
  OPEN BRANCH FROM BUS 342538 TO BUS 243688 CKT 1          /342538 4ARGENTM 138.00 243688 05FULLER 138.00
  OPEN BRANCH FROM BUS 342538 TO BUS 342616 CKT 1          /342538 4ARGENTM 138.00 342616 4LOVE HY 138.00
  OPEN BRANCH FROM BUS 342538 TO BUS 341020 CKT 1          /342538 4ARGENTM 138.00 341020 2ARGENTM 69.00
  OPEN BRANCH FROM BUS 342616 TO BUS 342948 CKT 1          /342616 4LOVE HY 138.00 342948 1LOVE HY 4.16
  REMOVE MACHINE 1 FROM BUS 342948                        /342948 1LOVE HY 4.16
  REMOVE MACHINE 2 FROM BUS 342948                        /342948 1LOVE HY 4.16
  REMOVE MACHINE 3 FROM BUS 342948                        /342948 1LOVE HY 4.16
END
CONTINGENCY 'AEP LINE ARGENTUM TO FULLERTON AEP 138 KV'
  OPEN BRANCH FROM BUS 342538 TO BUS 243688 CKT 1          /342538 4ARGENTM 138.00 243688 05FULLER 138.00
END
CONTINGENCY 'B2 SPURLOCK-STUART 34553'
  OPEN BRANCH FROM BUS 253077 TO BUS 342838 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'B2 ZIMMER-SPURLOCK 4541-B'
  OPEN BRANCH FROM BUS 249581 TO BUS 342838 CKT 1
END
CONTINGENCY 'B3 EKWEBSTER 138/69 TB'
  OPEN BRANCH FROM BUS 250148 TO BUS 342487 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'LOE BRKR OPEN AT EKP BOONE 6785'
  OPEN BRANCH FROM BUS 342559 TO BUS 250054 CKT 1          /* -CKT ID FIXED
END
CONTINGENCY 'EKPC CIRCUIT GODDARD-SPURLOCK 138 KV'
  OPEN BRANCH FROM BUS 342589 TO BUS 342583 CKT 1          /342589 4GODDARD 138.00 342583 4FLEMING 138.00
  OPEN BRANCH FROM BUS 342583 TO BUS 342664 CKT 1          /342583 4FLEMING 138.00 342664 4KENTN T 138.00
  OPEN BRANCH FROM BUS 342664 TO BUS 342661 CKT 1
  OPEN BRANCH FROM BUS 342661 TO BUS 342661 CKT 1          /342661 4KENTN T 138.00 342661 4SPURLCK 138.00
  REDUCE BUS 342583 LOAD BY 100 PERCENT                    /342583 4FLEMING 138.00
END
CONTINGENCY 'EKPC CIRCUIT BULLITT CO TO LG&E BLUE LICK 161-14' /*EKPC CIRCUIT BULLITT CO TO LG&E BLUE
  LICK 161 KV
  OPEN BRANCH FROM BUS 342700 TO BUS 342706 CKT 1          /342700 5BLIT CO 161.00 342706 5CEDARIT 161.00

```

OPEN BRANCH FROM BUS 342706 TO BUS 342709 CKT 1	/342706 5CEDARIT 161.00 342709 5CEDARIN 161.00
REDUCE BUS 342709 LOAD BY 100 PERCENT	/342709 5CEDARIN 161.00
OPEN BRANCH FROM BUS 342706 TO BUS 324134 CKT 1	/342706 5CEDARIT 161.00 324134 5BLUE LK 161.00
END	
CONTINGENCY 'EKPC CIRCUIT BULLITT CO TO TVA SUMMER SHADE 1-15'	/*EKPC CIRCUIT BULLITT CO TO TVA
SUMMER SHADE 161 KV	
OPEN BRANCH FROM BUS 342700 TO BUS 342811 CKT 1	/342700 5BLIT CO 161.00 342811 5SUMSHAT 161.00
OPEN BRANCH FROM BUS 342811 TO BUS 342814 CKT 1	/342811 5SUMSHAT 161.00 342814 5SUMSHAD 161.00
OPEN BRANCH FROM BUS 342811 TO BUS 360334 CKT 1	/342814 5SUMSHAT 161.00 360334 5SUMMER
SHAD161.00	
END	
CONTINGENCY 'EKPC CIRCUIT COOPER TO WOLF CREEK DAM 161 KV'	
OPEN BRANCH FROM BUS 342715 TO BUS 342799 CKT 1	/342715 5COOPR-1 161 342799 5S.OAKHL 161 1
REDUCE BUS 342799 LOAD BY 100 PERCENT	/342799 5S.OAKHL 161
OPEN BRANCH FROM BUS 342799 TO BUS 342745 CKT 1	/342799 5S.OAKHL 161 342745 5JABEZ J 161 1
OPEN BRANCH FROM BUS 342745 TO BUS 342742 CKT 1	/342745 5JABEZ J 161 342742 5JABEZ 161 1
REDUCE BUS 342742 LOAD BY 100 PERCENT	/342742 341806 5JABEZ 161
OPEN BRANCH FROM BUS 342745 TO BUS 342751 CKT 1	/342745 5JABEZ J 161 342751 5JAMESTJ 161 1
OPEN BRANCH FROM BUS 342751 TO BUS 342748 CKT 1	/342751 5JAMESTJ 161 342748 5JAMESTN 161 1
REDUCE BUS 342748 LOAD BY 100 PERCENT	/342748 341823 5JAMESTN 161
OPEN BRANCH FROM BUS 342751 TO BUS 342796 CKT 1	/342751 5JAMESTJ 161 342796 5RUSSCOJ 161 1
OPEN BRANCH FROM BUS 342793 TO BUS 342178 CKT 1	/342793 5RUSSLCK 161 342178 2RUSSLCK 69 1
OPEN BRANCH FROM BUS 342796 TO BUS 342793 CKT 1	/342796 5RUSSCOJ 161 342793 5RUSSLCO 161 1
OPEN BRANCH FROM BUS 342796 TO BUS 342826 CKT 1	/342796 5RUSSCOJ 161 342826 5WOLF EK 161 1
OPEN BRANCH FROM BUS 342826 TO BUS 360448 CKT Z1	/342826 5WOLF EK 161 360448 5WOLF CRK HP 161
Z1	
END	
CONTINGENCY 'EKPC LINE RUSSELL CO JCT-WOLF CREEK 161 KV'	
OPEN BRANCH FROM BUS 342796 TO BUS 342826 CKT 1	/5RUSSCOJ 161 5WOLF EK 161 1
OPEN BRANCH FROM BUS 342826 TO BUS 360448 CKT Z1	/5WOLF EK 161 5WOLF CRK HP 161 Z1
END	
CONTINGENCY 'EKPC CIRCUIT GREEN CO TO MARION CO 161 KV'	
OPEN BRANCH FROM BUS 342769 TO BUS 342775 CKT 1	/342769 5MARIOEK 161 342775 5MARIONJ 161 1
OPEN BRANCH FROM BUS 342775 TO BUS 342772 CKT 1	/342775 5MARIONJ 161 342772 5MARIONI 161 1
REDUCE BUS 342772 LOAD BY 100 PERCENT	/342772 5MARIONI 161
OPEN BRANCH FROM BUS 342775 TO BUS 342805 CKT 1	/342775 5MARIONJ 161 342805 5SALOMEJ 161 1
OPEN BRANCH FROM BUS 342805 TO BUS 342802 CKT 1	/342805 5SALOMEJ 161 342802 5SALOMEK 161 1
REDUCE BUS 342802 LOAD BY 100 PERCENT	/342802 342513 5SALOMEK 161
OPEN BRANCH FROM BUS 342805 TO BUS 342817 CKT 1	/342805 5SALOMEJ 161 342817 5TAYLRCJ 161 1
OPEN BRANCH FROM BUS 342817 TO BUS 342818 CKT 1	/342817 5TAYLRCJ 161 342818 5TAYLRCO 161 1
OPEN BRANCH FROM BUS 342818 TO BUS 324751 CKT 1	/342818 5TAYLRCO 161 324751 2TAYLRC 69 1
OPEN BRANCH FROM BUS 342817 TO BUS 342733 CKT 1	/342817 5TAYLRCJ 161 342733 5GREENCO 161 1
END	
CONTINGENCY 'EKPC CIRCUIT LAUREL COUNTY TO TYNER 161 KV'	
OPEN BRANCH FROM BUS 342820 TO BUS 342781 CKT 1	/342820 5TYNER 161 342781 5PITTSBG 161 1
OPEN BRANCH FROM BUS 342781 TO BUS 324688 CKT 1	/342781 5PITTSBG 161 324688 2PITTSKU 69 1
OPEN BRANCH FROM BUS 342781 TO BUS 342754 CKT 1	/342781 5PITTSBG 161 342754 5LAURLCO 161 1
END	
CONTINGENCY 'EKPC CIRCUIT POWELL CO TO KU DELVINTA 161 KV'	
OPEN BRANCH FROM BUS 342784 TO BUS 342697 CKT 1	/342784 5POWELCO 161 342697 5BEATTYV 161 1
OPEN BRANCH FROM BUS 342697 TO BUS 324138 CKT 1	/342697 5BEATTYV 161 324138 5DELVINT 161 1
OPEN BRANCH FROM BUS 342697 TO BUS 324430 CKT 1	/342697 5BEATTYV 161 341071 2BEATTYV 69 1
END	
CONTINGENCY 'EKPC CIRCUIT TYNER TO KU DELVINTA 161 KV'	
OPEN BRANCH FROM BUS 342820 TO BUS 342736 CKT 1	/342820 5TYNER 161 342736 5GRN HLJ 161 1
OPEN BRANCH FROM BUS 342736 TO BUS 342739 CKT 1	/342736 5GRN HLJ 161 342739 5GRNHALL 161 1
REDUCE BUS 342739 LOAD BY 100 PERCENT	/342739 5GRNHALL 161
OPEN BRANCH FROM BUS 342736 TO BUS 324138 CKT 1	/342739 5GRNHALL 161 324138 5DELVINT 161 1
END	
CONTINGENCY 'EKPC CIRCUIT AVON TO DALE 138 KV'	
OPEN BRANCH FROM BUS 342541 TO BUS 342556 CKT 1	/342541 4AVON 138.00 342556 4BECKNERVIL T 138.00

OPEN BRANCH FROM BUS 342556 TO BUS 342565 CKT 1 138.00	/342556 4BECKNERVILLE T 138.00 342565 4BBORO T 138.00
OPEN BRANCH FROM BUS 342565 TO BUS 342567 CKT 1	/342565 4BBORO T 138.00 341196 4BBORO N 138.00
OPEN BRANCH FROM BUS 342567 TO BUS 324449 CKT 1	/341196 4BBORO N 138.00 324449 2BOONSB 69.00
OPEN BRANCH FROM BUS 342565 TO BUS 342574 CKT 1	/342565 4BBORO T 138.00 342574 4DALE 138.00
END	
CONTINGENCY 'KU CIRCUIT AVON TO LOUDON AVENUE KU 138 KV'	
OPEN BRANCH FROM BUS 342541 TO BUS 342544 CKT 1	/342541 4AVON 138.00 342544 4AVON-R 138.00
OPEN BRANCH FROM BUS 342544 TO BUS 324275 CKT 1	/342544 4AVON-R 138.00 324275 4LOUDON 138.00
END	
CONTINGENCY 'EKPC CIRCUIT AVON TO RENAHER 138 KV'	
OPEN BRANCH FROM BUS 342541 TO BUS 342631 CKT 1	/342541 4AVON 138.00 342631 4PARIS T 138.00
OPEN BRANCH FROM BUS 342631 TO BUS 342604 CKT 1	/342631 4PARIS T 138.00 342604 4JACKSVJ 138.00
OPEN BRANCH FROM BUS 342631 TO BUS 342632 CKT 1	/342631 4PARIS T 138.00 342290 4PARIS 138.00
OPEN BRANCH FROM BUS 342632 TO BUS 324680 CKT 1	/342290 4PARIS 138.00 324680 2PARISKU 69.00
OPEN BRANCH FROM BUS 342604 TO BUS 342601 CKT 1	/342604 4JACKSVJ 138.00 342601 2JACKVEK 138.00
REDUCE BUS 342601 LOAD BY 100 PERCENT	/342601 2JACKVEK 138.00
OPEN BRANCH FROM BUS 342604 TO BUS 342640 CKT 1	/342604 4JACKSVJ 138.00 342640 4RENAHER 138.00
END	
CONTINGENCY 'EKPC CIRCUIT JK SMITH TO LAKE REBA TAP 138 KV-16'	/*EKPC CIRCUIT JK SMITH TO LAKE REBA TAP 138 KV
OPEN BRANCH FROM BUS 342607 TO BUS 342688 CKT 1	/342607 4JKSMITH 138.00 342688 4UNIONCY 138.00
OPEN BRANCH FROM BUS 342688 TO BUS 324276 CKT 1	/342688 4UNIONCY 138.00 324276 4LKR TAP 138.00
REDUCE BUS 342688 LOAD BY 100 PERCENT	/342688 4UNIONCY 138.00
END	
CONTINGENCY 'EKPC CIRCUIT ROWAN CO TO SKAGGS 138-69 KV'	
OPEN BRANCH FROM BUS 342649 TO BUS 324302 CKT 1 138.00	/342649 4ROWANCO 138.00 324302 4RODBURN 138.00
OPEN BRANCH FROM BUS 342649 TO BUS 342658 CKT 1	/342649 4ROWANCO 138.00 342658 4SKAGGS 138.00
OPEN BRANCH FROM BUS 342658 TO BUS 342265 CKT 1	/342658 4SKAGGS 138.00 342265 2SKAGGS 69.00
OPEN BRANCH FROM BUS 342649 TO BUS 342571 CKT 1 138.00	/342658 4ROWANCO 138.00 342571 4CRANSTN 138.00
OPEN BRANCH FROM BUS 342649 TO BUS 342163 CKT 1	/342649 4ROWANCO 138.00 342163 2ROWANCO 69.00
END	
CONTINGENCY 'EKPC CIRCUIT SPURLOCK TO KU KENTON 138 KV'	
OPEN BRANCH FROM BUS 342664 TO BUS 342661 CKT 1	/342664 4SPURLCK 138.00 342661 4SPKNTR1 138.00
OPEN BRANCH FROM BUS 342661 TO BUS 324267 CKT 1	/342661 4SPKNTR1 138.00 324267 4KENTON 138.00
END	
CONTINGENCY '902_B2'	
OPEN BRANCH FROM BUS 341215 TO BUS 341281 CKT 1	/341215 5BLIT CO 161 341281 5CEDARIT 161 1
OPEN BRANCH FROM BUS 324134 TO BUS 342706 CKT 1	/324134 5BLUE LK 161 342706 5CEDARIT 161 1
END	
CONTINGENCY '1026_B2'	
OPEN BRANCH FROM BUS 342568 TO BUS 324047 CKT 1	/342568 4C.HARDN 138 324047 4BLACKBRANCH 138 1
OPEN BRANCH FROM BUS 342568 TO BUS 324261 CKT 1	/342568 4C.HARDN 138 324261 4HARDN C 138 1
OPEN BRANCH FROM BUS 342568 TO BUS 341287 CKT 1	/342568 4C.HARDN 138 341287 2C.HARDN 69.0 1
END	
END	

AC Contingency Files

A.2.2 Bus Contingencies

```

/*=====CONTINGENCY SUMMARY=====
/* Case: T:\rteplbase2019\BASE CASE\2019_RTEP_NonDiversified_03252014_NGT3.sav
/* Contingency File: T:\rteplbase2019\Contingency\2019_RTEP_Summer_Bus_03312014.con
/* - FE : 58 (6 TIES)
/* - AEP : 173 (22 TIES)
/* - OVEC : 3 (3 TIES)
/* - DAY : 1 (4 TIES)
/* - DEO&K : 4 (4 TIES)
/* - EKPC : 13 (12 TIES)
/* From 2019_RTEP_Summer_Bus_04172014.con that contains only singe/double contingencies in FE, AEP, OVEC, DAY, DEO&K
and EKPC
/*=====
/*=====FE=====
CONTINGENCY 'C1-BUS-ER-101' /* NILES 138 NORTH BUS FAULT
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239299 CKT 1 /* 02NILES 138.00 02BRLAKE 138.00
DISCONNECT BRANCH FROM BUS 239008 TO BUS 238708 CKT 1 /* 02NILES 138.00 02EVRGRN 138.00
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239120 CKT 2 /* 02NILES 138.00 02SSPRNG 138.00 2
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239006 CKT 1 /* 02NILES 138.00 02NILEG1 16.50
DISCONNECT BUS 239006 /* 02NILEG1 16.50
END
CONTINGENCY 'C1-BUS-ER-102' /* NILES 138 SOUTH BUS FAULT
DISCONNECT BRANCH FROM BUS 239008 TO BUS 238952 CKT 1 /* 02NILES 138.00 02MCD + 138.00
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239120 CKT 1 /* 02NILES 138.00 02SSPRNG 138.00
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239007 CKT 1 /* 02NILES 138.00 02NILEG2 16.50
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239009 CKT 1 /* 02NILES 138.00 02NILES 23.00
DISCONNECT BRANCH FROM BUS 239303 TO BUS 239008 CKT 1 /* 02NILES 345.00 02NILES 138.00
DISCONNECT BUS 239007 /* 02NILEG2 16.50
DISCONNECT BUS 239009 /* 02NILES 23.00
END
CONTINGENCY 'C1-BUS-ER-103' /* LOWELLVILLE 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 238910 TO BUS 238905 CKT 1 /* 02LOWELL 138.00 02LNC.PK 138.00
DISCONNECT BRANCH FROM BUS 238910 TO BUS 238664 CKT 1F /* 02LOWELL 138.00 02DOBINS 138.00
DISCONNECT BRANCH FROM BUS 238910 TO BUS 238911 CKT 8 /* 02LOWELL 138.00 02LOWELV 69.00
DISCONNECT BUS 238910 /* 02LOWELL 138.00
END
CONTINGENCY 'C1-BUS-ER-104' /* BOARDMAN 138 BUS FAULT
DISCONNECT BUS 238578 /* 02BORDMN 138.00
DISCONNECT BUS 238579 /* 02BORDMN 23.00
END
CONTINGENCY 'C1-BUS-ER-105' /* MCDOWELL 138 BUS FAULT
DISCONNECT BUS 238954 /* 02MCDOWL 138.00
END
CONTINGENCY 'C1-BUS-ER-106' /* NEW CASTLE 138 EAST BUS FAULT
DISCONNECT BUS 238991 /* 02NCASTL 138.00
DISCONNECT BUS 239024 /* 02NWCAG5 16.50
END
CONTINGENCY 'C1-BUS-ER-108' /* SAMMIS 138 EAST BUS FAULT
DISCONNECT BRANCH FROM BUS 239093 TO BUS 238998 CKT 1F /* 02SAMMIS 138.00 02NEVADA 138.00
REMOVE MACHINE D FROM BUS 239093 /* 02SAMMIS 138.00
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239042 CKT 1 /* 02SAMMIS 138.00 02PIDGON 138.00
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239085 CKT 1 /* 02SAMMIS 138.00 02SAMMG1 20.00
DISCONNECT BUS 239085 /* 02SAMMG1 20.00
END
CONTINGENCY 'C1-BUS-ER-109' /* SAMMIS 138 WEST BUS FAULT
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239369 CKT 1 /* 02SAMMIS 138.00 02TORONTO 138.00
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239372 CKT 1F /* 02SAMMIS 138.00 02HAGAN 138.00
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239086 CKT 1 /* 02SAMMIS 138.00 02SAMMG2 20.00
DISCONNECT BUS 239086 /* 02SAMMG2 20.00
END
CONTINGENCY 'C1-BUS-ER-110' /* CEDAR STREET 138 BUS FAULT
DISCONNECT BUS 238610 /* 02CDR ST 138.00

```

```

END
CONTINGENCY 'C1-BUS-ER-111'                /* CROSSLAND 138 BUS FAULT
DISCONNECT BUS 238642                      /* 02CRSLND 138.00
DISCONNECT BUS 238669                      /* 02DUFERC 138.00
END
CONTINGENCY 'C1-BUS-ER-112'                /* PINE EAST 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 239048 TO BUS 238700 CKT 1      /* 02PPPPINE 138.00 02EPWRTH 138.00
DISCONNECT BRANCH FROM BUS 239048 TO BUS 239044 CKT 1      /* 02PPPPINE 138.00 02PINE P 69.00
END
CONTINGENCY 'C1-BUS-ER-113'                /* PINE WEST 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 239048 TO BUS 238557 CKT 1      /* 02PPPPINE 138.00 02B.M.F. 138.00
DISCONNECT BRANCH FROM BUS 239048 TO BUS 239044 CKT 2      /* 02PPPPINE 138.00 02PINE P 69.00
END
CONTINGENCY 'C1-BUS-ER-114'                /* SHARON NORTH 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 239103 TO BUS 239104 CKT 2      /* 02SHARON 138.00 02SHARON 69.00
DISCONNECT BRANCH FROM BUS 239103 TO BUS 239109 CKT 1      /* 02SHARON 138.00 02SHRPQS 138.00
REDUCE BUS 239103 SHUNT BY 50 PERCENT      /* 02SHARON 138.00
END
CONTINGENCY 'C1-BUS-ER-115'                /* SHARON SOUTH 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 239103 TO BUS 239107 CKT 1      /* 02SHARON 138.00 02SHNAGO 138.00
DISCONNECT BRANCH FROM BUS 239103 TO BUS 239104 CKT 3      /* 02SHARON 138.00 02SHARON 69.00
REDUCE BUS 239103 SHUNT BY 50 PERCENT      /* 02SHARON 138.00
END
CONTINGENCY 'C1-BUS-ER-116'                /* MASURY 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238945 CKT 4      /* 02MASURY 138.00 02MASURY 69.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238945 CKT 2      /* 02MASURY 138.00 02MASURY 69.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238946 CKT 1      /* 02MASURY 138.00 02MASURY 23.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238946 CKT 3      /* 02MASURY 138.00 02MASURY 23.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238948 CKT 1      /* 02MASURY 138.00 02MAYSVL 138.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238642 CKT 1F     /* 02MASURY 138.00 02CRSLND 138.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 239107 CKT 1      /* 02MASURY 138.00 02SHNAGO 138.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 238696 CKT 1      /* 02MASURY 138.00 02ELWOD+ 138.00
DISCONNECT BRANCH FROM BUS 238944 TO BUS 239120 CKT 1      /* 02MASURY 138.00 02SSPRNG 138.00
DISCONNECT BUS 238944                      /* 02MASURY 138.00
END
CONTINGENCY 'C1-BUS-ER-117'                /* EVERGREEN 138 BUS FAULT
DISCONNECT BUS 238708                      /* 02EVRGRN 138.00
END
CONTINGENCY 'C1-BUS-ER-118'                /* MAHONINGSIDE 138 BUS FAULT
DISCONNECT BRANCH FROM BUS 238939 TO BUS 238825 CKT 1      /* 02MAHNGS 138.00 02IVANHO 138.00
DISCONNECT BRANCH FROM BUS 238939 TO BUS 238797 CKT 1      /* 02MAHNGS 138.00 02HGHLND 138.00
DISCONNECT BRANCH FROM BUS 238939 TO BUS 238940 CKT 1      /* 02MAHNGS 138.00 02MAHSID 23.00
DISCONNECT BUS 238939
END
CONTINGENCY 'C1-BUS-ER-119'                /* SALT SPRINGS 138 BUS FAULT
DISCONNECT BUS 239120                      /* 02SSPRNG 138.00
DISCONNECT BUS 238978                      /* 02N.STAR 138.00
DISCONNECT BUS 239121                      /* 02SSPRNG 23.00
END
CONTINGENCY 'C1-BUS-ER-120'                /* RIVERBEND 138 BUS FAULT
DISCONNECT BUS 239077                      /* 02RVERBD 138.00
END
CONTINGENCY '179_C1_02GALION 345-N'
OPEN BRANCH FROM BUS 238745 TO BUS 238746 CKT 3          / 238745 02GALION 345 238746 02GALION 138 3
END
CONTINGENCY '6395_C1_02GALION 345-S'
OPEN BRANCH FROM BUS 238745 TO BUS 238746 CKT 4          / 238745 02GALION 345 238746 02GALION 138 4
END
CONTINGENCY 'C1-BUS-CR025'                /* GREENFIELD 138 BUS
DISCONNECT BUS 238768                      /* 02GRNFLD 138.00
END

```

CONTINGENCY 'C1-BUS-CR026'	/ * NEW DEPT 20-2 138 BUS SEC
REDUCE BUS 238974 LOAD BY 100 PERCENT	/ * 02N DEPT 138.00
END	
CONTINGENCY 'C1-BUS-CR027'	/ * NASA 138 BUS
DISCONNECT BUS 238981	/ * 02NASA 138.00
END	
CONTINGENCY 'C1-BUS-CR028'	/ * AVERY 138 BUS
DISCONNECT BUS 238549	/ * 02AVERY 138.00
END	
CONTINGENCY 'C1-BUS-NR001'	/ * BUS FAULT ON #2&3 TRANS AT FOX 345KV
DISCONNECT BRANCH FROM BUS 238731 TO BUS 238732 CKT 2	/ * 02FOX 345.00 02FOXQ11 138.00
DISCONNECT BRANCH FROM BUS 238731 TO BUS 238734 CKT 3	/ * 02FOX 345.00 02FOXQ13 138.00
END	
CONTINGENCY 'C1-BUS-NR002'	/ * BUS FAULT ON #5&4 TRANS AT FOX 345KV
DISCONNECT BRANCH FROM BUS 238731 TO BUS 238733 CKT 5	/ * 02FOX 345.00 02FOXQ12 138.00
DISCONNECT BRANCH FROM BUS 238731 TO BUS 238735 CKT 4	/ * 02FOX 345.00 02FOXQ14 138.00
END	
CONTINGENCY 'C1-BUS-NR003'	/ * BUS FAULT ON #1&2 TRANS AT HARDING 345KV
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238793 CKT 2	/ * 02HARDIN 345.00 02HDGQ12 138.00
END	
CONTINGENCY 'C1-BUS-NR004A'	/ * BUS FAULT ON #3&4 TRANS AT HARDING 345KV
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238794 CKT 3	/ * 02HARDIN 345.00 02HDGQ13 138.00
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238795 CKT 4F	/ * 02HARDIN 345.00 02HDGQ14 138.00
END	
CONTINGENCY 'C1-BUS-SR01A'	/ * TANGY 138 BUS, B-54 FAILURE TO TRIP, B-50 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 239134 TO BUS 239264 CKT 1	/ * 02TANGY 138.00 02DBP 138.00
DISCONNECT BRANCH FROM BUS 239134 TO BUS 239218 CKT 1	/ * 02TANGY 138.00 02SSCIOT 138.00
DISCONNECT BRANCH FROM BUS 239134 TO BUS 238574 CKT 1	/ * 02TANGY 138.00 02BELPT+ 138.00
DISCONNECT BRANCH FROM BUS 239218 TO BUS 238861 CKT 1	/ * 02SSCIOT 138.00 02KIRBY 138.00
DISCONNECT BRANCH FROM BUS 238908 TO BUS 239134 CKT 1F	/ * 02LONDON 138.00 02TANGY 138.00 (NEW)
DISCONNECT BRANCH FROM BUS 239133 TO BUS 239134 CKT 3	/ * 02TANGY 345.00 02TANGY 138.00
DISCONNECT BRANCH FROM BUS 239133 TO BUS 239134 CKT 4	/ * 02TANGY 345.00 02TANGY 138.00
DISCONNECT BRANCH FROM BUS 239133 TO BUS 239134 CKT 5	/ * 02TANGY 345.00 02TANGY 138.00
DISCONNECT BRANCH FROM BUS 239134 TO BUS 239135 CKT 1	/ * 02TANGY 138.00 02TANGY 69.00
DISCONNECT BRANCH FROM BUS 239134 TO BUS 239135 CKT 2	/ * 02TANGY 138.00 02TANGY 69.00
DISCONNECT BUS 239134	/ * 02TANGY 138.00
DISCONNECT BUS 239218	/ * 02SSCIOT 138.00
END	
CONTINGENCY 'C1-BUS-SR003A'	/ * LONGVIEW 138 BUS FAULT, B-24 FAILURE TO TRIP, B-90 FAILURE TO TRIP, B-80 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 238906 TO BUS 239217 CKT 1	/ * 02LNGVIEW 138.00 02REEDSB 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 239196 CKT 1F	/ * 02LNGVIEW 138.00 02ARM+BU 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238938 CKT 1	/ * 02LNGVIEW 138.00 02MADISN 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238586 CKT 1	/ * 02LNGVIEW 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238540 CKT 1	/ * 02LNGVIEW 138.00 02ARMCO+ 138.00
DISCONNECT BRANCH FROM BUS 238540 TO BUS 238539 CKT 1	/ * 02ARMCO+ 138.00 02ARMCO 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238907 CKT 4	/ * 02LNGVIEW 138.00 02LNGVIEW 69.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238907 CKT 5	/ * 02LNGVIEW 138.00 02LNGVIEW 69.00
REDUCE BUS 238539 LOAD BY 100 PERCENT	/ * 02ARMCO 138.00
REDUCE BUS 238906 LOAD BY 100 PERCENT	/ * 02LNGVIEW 138.00
REDUCE BUS 238906 SHUNT BY 100 PERCENT	/ * 02LNGVIEW 138.00
DISCONNECT BUS 238906	/ * 02LNGVIEW 138.00
DISCONNECT BUS 238539	/ * 02ARMCO 138.00
DISCONNECT BUS 238540	/ * 02ARMCO+ 138.00
END	
CONTINGENCY 'C2-BRK-SR004B'	/ * ROBERTS BUS FAULT, B-12 FAILURE TO TRIP, B-13 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 239073 TO BUS 238861 CKT 1	/ * 02ROBERT 138.00 02KIRBY 138.00
DISCONNECT BRANCH FROM BUS 239073 TO BUS 239308 CKT 1	/ * 02ROBERT 138.00 02MR-ETH 138.00
DISCONNECT BRANCH FROM BUS 239073 TO BUS 238667 CKT 1	/ * 02ROBERT 138.00 02DUALR+ 138.00

```

DISCONNECT BRANCH FROM BUS 238928 TO BUS 239073 CKT ZL      /* 02LTV+ 138.00 02ROBERT 138.00
DISCONNECT BRANCH FROM BUS 239073 TO BUS 239074 CKT 1      /* 02ROBERT 138.00 02ROBERT 34.50
DISCONNECT BRANCH FROM BUS 239073 TO BUS 239074 CKT 2      /* 02ROBERT 138.00 02ROBERT 34.50
DISCONNECT BRANCH FROM BUS 239073 TO BUS 239074 CKT 3      /* 02ROBERT 138.00 02ROBERT 34.50
REDUCE BUS 239073 SHUNT BY 100 PERCENT                      /* 02ROBERT 138.00
DISCONNECT BUS 239073                                       /* 02ROBERT 138.00
END
CONTINGENCY 'C1-BUS-SR005A'                                /* LEASIDE 138 BUS PROTECTION, B-36 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 238891 TO BUS 238746 CKT 1F     /* 02LESIDE 138.00 02GALION 138.00
DISCONNECT BRANCH FROM BUS 238891 TO BUS 239195 CKT 1      /* 02LESIDE 138.00 02MILIRN 138.00
CLOSE LINE FROM BUS 238891 TO BUS 238892 CKT 1             /* 02LESIDE 138.00 02LESIDE 69.00
DISCONNECT BUS 238891                                       /* 02LESIDE 138.00
END
CONTINGENCY 'C1-BUS-WR001'                                /* RICHLAND 138 K BUS
DISCONNECT BUS 239064                                       /* 02RICHG1 13.80
DISCONNECT BUS 239067                                       /* 02RICHG4 13.80
DISCONNECT BUS 239068                                       /* 02RICHG5 13.80
DISCONNECT BUS 239069                                       /* 02RICHG6 13.80
DISCONNECT BUS 238516                                       /* 02JMP 138.00
DISCONNECT BUS 238659                                       /* 02DEFISW 138.00
DISCONNECT BUS 238512                                       /* 02GMC-K 138.00
DISCONNECT BUS 239070                                       /* 02RICHLD 138.00
DISCONNECT BUS 238785                                       /* 02JOHN MAN C 138.00
END
CONTINGENCY 'C1-BUS-WR005'                                /* MIDWAY 138 J BUS
DISCONNECT BRANCH FROM BUS 238963 TO BUS 238962 CKT 1     /* 02MIDWAY 69.00 02MIDWAY 138.00
DISCONNECT BRANCH FROM BUS 238962 TO BUS 238979 CKT 1     /* 02MIDWAY 138.00 02NAPMUN 138.00
DISCONNECT BRANCH FROM BUS 238962 TO BUS 238501 CKT 1     /* 02MIDWAY 138.00 02BGTAP 138.00
DISCONNECT BRANCH FROM BUS 238962 TO BUS 239263 CKT 1     /* 02MIDWAY 138.00 02STLUKE 138.00
REDUCE BUS 238962 SHUNT BY 100 PERCENT                      /* 02MIDWAY 138.00
END
CONTINGENCY 'C1-BUS-WR006'                                /* MIDWAY 138 K BUS
DISCONNECT BUS 238960                                       /* 02MIDW K 138.00
END
CONTINGENCY 'C1-BUS-WR007A'                                /* LEMOYNE 138 J BUS
DISCONNECT BRANCH FROM BUS 238890 TO BUS 239176 CKT 1     /* 02LEMOYN 138.00 02WOOD+ 138.00
DISCONNECT BRANCH FROM BUS 238890 TO BUS 238501 CKT 1     /* 02LEMOYN 138.00 02BGTAP 138.00
DISCONNECT BRANCH FROM BUS 238890 TO BUS 238936 CKT 1     /* 02LEMOYN 138.00 02MACLEA 138.00
END
CONTINGENCY 'C1-BUS-WR008A'                                /* LEMOYNE 138 K BUS
DISCONNECT BUS 238884                                       /* 02LEMO K 138.00
END
CONTINGENCY 'C1-BUS-WR009'                                /* O.I. LEVIS 138 BUS
DISCONNECT BUS 239027                                       /* 02OILEVS 138.00
END
CONTINGENCY 'C1-BUS-WR010A'                                /* MACLEAN M 138 BUS
DISCONNECT BRANCH FROM BUS 238936 TO BUS 238937 CKT 1     /* 02MACLEA 138.00 02MACLEA 69.00
DISCONNECT BRANCH FROM BUS 238936 TO BUS 238727 CKT 1     /* 02MACLEA 138.00 02WLBCT+ 138.00
DISCONNECT BRANCH FROM BUS 238936 TO BUS 238890 CKT 1     /* 02MACLEA 138.00 02LEMOYN 138.00
END
CONTINGENCY 'C1-BUS-WR011B'                                /* MACLEAN P 138 BUS
DISCONNECT BRANCH FROM BUS 238936 TO BUS 238937 CKT 2     /* 02MACLEA 138.00 02MACLEA 69.00
DISCONNECT BRANCH FROM BUS 238936 TO BUS 239029 CKT 1     /* 02MACLEA 138.00 02OREGON 138.00
REDUCE BUS 238936 SHUNT BY 100 PERCENT                      /* 02MACLEA 138.00
END
CONTINGENCY 'C1-BUS-WR12'                                  /* WAUSEON 138 BUS
DISCONNECT BUS 239165                                       /* 02WAUSEO 138.00
END
CONTINGENCY 'C1-BUS-WR013B'                                /* VULCAN 138 BUS
REDUCE BUS 239149 SHUNT BY 100 PERCENT                      /* 02VULCAN 138.00
DISCONNECT BRANCH FROM BUS 239150 TO BUS 239149 CKT 10    /* 02VULCAN 69.00 02VULCAN 138.00

```

```

DISCONNECT BRANCH FROM BUS 239146 TO BUS 239149 CKT ZL      /* 02UTTP1 138.00 02VULCAN 138.00
DISCONNECT BRANCH FROM BUS 239147 TO BUS 239149 CKT ZL      /* 02UTTP2 138.00 02VULCAN 138.00
DISCONNECT BRANCH FROM BUS 239151 TO BUS 239149 CKT 1        /* 02VULCTA 138.00 02VULCAN 138.00
DISCONNECT BUS 239149                                         /* 02VULCAN 138.00
END
CONTINGENCY 'C1-BUS-WR014'                                   /* ALLEN 138 BUS
DISCONNECT BUS 238500                                         /* 02ALLEN 138.00
END
CONTINGENCY 'C1-BUS-WR015'                                   /* ALLEN J 138 BUS
DISCONNECT BUS 238531                                         /* 02ALLNJ 138.00
END
CONTINGENCY 'C1-BUS-WR016'                                   /* ALLEN K 138 BUS
DISCONNECT BUS 238532                                         /* 02ALLNJB 138.00
END
CONTINGENCY 'C1-138-WR017'                                   /* WESTGATE 138 BUS
DISCONNECT BUS 239170                                         /* 02WESTGT 138.00
END
CONTINGENCY 'C1-BUS-WR018'                                   /* JACKMAN L 138 BUS
DISCONNECT BRANCH FROM BUS 238832 TO BUS 239170 CKT 1      /* 02JACKMA 138.00 02WESTGT 138.00
DISCONNECT BRANCH FROM BUS 238832 TO BUS 239236 CKT 1      /* 02JACKMA 138.00 02TOLHOS 138.00
DISCONNECT BRANCH FROM BUS 238832 TO BUS 239219 CKT 1      /* 02JACKMA 138.00 02GENMLL 2 138.00
DISCONNECT BRANCH FROM BUS 238504 TO BUS 239219 CKT 1      /* 02CHEV 138.00 02GENMLL 2 138.00
REDUCE BUS 238832 LOAD BY 100 PERCENT                        /* 02JACKMA 138.00
REDUCE BUS 238832 SHUNT BY 100 PERCENT                       /* 02JACKMA 138.00
END
CONTINGENCY 'C1-BUS-WR019'                                   /* JACKMAN M 138 BUS
DISCONNECT BRANCH FROM BUS 238832 TO BUS 239149 CKT 1      /* 02JACKMA 138.00 02VULCAN 138.00
DISCONNECT BRANCH FROM BUS 238832 TO BUS 238506 CKT 1      /* 02JACKMA 138.00 02DIXIE 138.00
DISCONNECT BRANCH FROM BUS 238832 TO BUS 238751 CKT 1      /* 02JACKMA 138.00 02GENMLL 1 138.00
DISCONNECT BRANCH FROM BUS 238832 TO BUS 238532 CKT 1      /* 02JACKMA 138.00 02ALLNJB 138.00
END
CONTINGENCY 'C1-BUS-WR021'                                   /* BAYSHORE BUS-J 138
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238504 CKT 1      /* 02BAYSHO 138.00 02CHEV 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238514 CKT 1      /* 02BAYSHO 138.00 02IRONV 138.00
DISCONNECT BUS 238514                                         /* 02IRONV 138.00
END
CONTINGENCY 'C1-BUS-WR022'                                   /* BAYSHORE BUS-L 138
DISCONNECT BRANCH FROM BUS 238568 TO BUS 239029 CKT 1      /* 02BAYSHO 138.00 02OREGON 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 239140 CKT 1      /* 02BAYSHO 138.00 02TOUSNT 138.00
END
CONTINGENCY 'C1-BUS-WR023'                                   /* BAYSHORE BUS-K 138
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238847 CKT 1      /* 02BAYSHO 138.00 02JP 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 239310 CKT 1      /* 02BAYSHO 138.00 02BPOLTE 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 239310 CKT 2      /* 02BAYSHO 138.00 02BPOLTE 138.00
END
CONTINGENCY 'C1-BUS-WR024'                                   /* BAYSHORE BUS-M 138
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238658 CKT 1      /* 02BAYSHO 138.00 02DECANT 138.00
END
CONTINGENCY 'C1-BUS-WR002B'                                   /* RICHLAND 138 L BUS
DISCONNECT BRANCH FROM BUS 239070 TO BUS 239071 CKT ZB      /* 02RICHLD 138.00 02RICHLN 138.00
END
CONTINGENCY '02LEMO K_02LEMOYN_B'
OPEN BRANCH FROM BUS 238884 TO BUS 238890 CKT ZB
END
CONTINGENCY '02LRCRQ3_02LRCRQ2_B'
OPEN BRANCH FROM BUS 238914 TO BUS 238913 CKT ZF
END
CONTINGENCY '02LRCRQ3_02LRCRQ4'
OPEN BRANCH FROM BUS 238914 TO BUS 239057 CKT ZF
END
CONTINGENCY '02LRCRQ1_02LRCRQ2'

```

```

OPEN BRANCH FROM BUS 239112 TO BUS 238913 CKT ZF
END
/*=====FE TIES=====
CONTINGENCY 'C1-BUS-ER-107'                /* BLUEBELL 138 EAST BUS FAULT
DISCONNECT BRANCH FROM BUS 238575 TO BUS 238576 CKT 5      /* 02BLUBEL 138.00 02BLUBEL 69.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 238576 CKT 4      /* 02BLUBEL 138.00 02BLUBEL 69.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 238576 CKT 6      /* 02BLUBEL 138.00 02BLUBEL 69.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 238864 CKT 1      /* 02BLUBEL 138.00 02KNOX 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 239299 CKT 1      /* 02BLUBEL 138.00 02BRLAKE 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 239042 CKT 1      /* 02BLUBEL 138.00 02PIDGON 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 239306 CKT 1      /* 02BLUBEL 138.00 02REPUBLICSM 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 242980 CKT 1      /* 02BLUBEL 138.00 05CANTNC 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 238533 CKT 1      /* 02BLUBEL 138.00 02AMSTED 138.00
DISCONNECT BUS 238575                /* 02BLUBEL 138.00
DISCONNECT BUS 238533                /* 02AMSTED 138.00
END
CONTINGENCY 'C1-BUS-SR006'                /* BROOKSIDE 138 SOUTH BUS FAULT, B-28 FAILURE TO TRIP, B-
5 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 238586 TO BUS 238587 CKT 3      /* 02BRKSID 138.00 02BRKSID 69.00
DISCONNECT BRANCH FROM BUS 238586 TO BUS 238587 CKT 4      /* 02BRKSID 138.00 02BRKSID 69.00
DISCONNECT BRANCH FROM BUS 238586 TO BUS 238587 CKT 5      /* 02BRKSID 138.00 02BRKSID 69.00
DISCONNECT BRANCH FROM BUS 243024 TO BUS 238586 CKT 1      /* 05HOWARD 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238586 CKT 1      /* 02LNGVEW 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 239076 TO BUS 238586 CKT 1      /* 02ROSS 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 239216 TO BUS 238586 CKT 1      /* 02TROY 138.00 02BRKSID 138.00
END
CONTINGENCY 'C1-BUS-SR07B'                /* BROOKSIDE 138 NORTH BUS PROTECTION, B-31 FAILURE TO
TRIP, B-3 FAILURE TO TRIP, B-60 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 239195 TO BUS 238586 CKT 1      /* 02MILIRN 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 238938 TO BUS 238586 CKT 1      /* 02MADISN 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 247131 TO BUS 238586 CKT 1      /* 05GHOSTT 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 239168 TO BUS 238586 CKT 1      /* 02WELNGT 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 239168 TO BUS 239167 CKT 3      /* 02WELNGT 138.00 02WELLNG 69.00
REDUCE BUS 238586 LOAD BY 100 PERCENT                /* 02BRKSID 138.00
DISCONNECT BUS 239168                /* 02WELNGT 138.00
END
CONTINGENCY 'C1-BUS-SR02A'                /* LONDON 138 BUS FAULT, B-165 FAILURE TO TRIP, B-127
FAILURE TO TRIP, B-129 FAILURE TO TRIP
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238703 CKT 1      /* 02LONDON 138.00 02ESPRNG 138.00 CKT 1
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238703 CKT 2      /* 02LONDON 138.00 02ESPRNG 138.00 CKT 2
(NEW)
DISCONNECT BRANCH FROM BUS 238908 TO BUS 239134 CKT 1F      /* 02LONDON 138.00 02TANGY 138.00 (NEW)
DISCONNECT BRANCH FROM BUS 238908 TO BUS 243469 CKT 1      /* 02LONDON 138.00 05BEATTY 138.00
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238909 CKT 3      /* 02LONDON 138.00 02LONDON 69.00
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238909 CKT 4      /* 02LONDON 138.00 02LONDON 69.00
REDUCE BUS 238908 LOAD BY 100 PERCENT                /* 02LONDON 138.00
DISCONNECT BRANCH FROM BUS 238909 TO BUS 240691 CKT 1      /* 02LONDON 69.00 BG PLAN+ 69.00
DISCONNECT BRANCH FROM BUS 240691 TO BUS 240692 CKT 1      /* BG PLAN+ 69.00 BIG PLAI 69.00
DISCONNECT BRANCH FROM BUS 240691 TO BUS 240689 CKT 1      /* BG PLAN+ 69.00 LCI + 69.00
DISCONNECT BRANCH FROM BUS 240689 TO BUS 240688 CKT 1      /* LCI + 69.00 PLATSBUR 69.00
DISCONNECT BRANCH FROM BUS 240689 TO BUS 240690 CKT 1      /* LCI + 69.00 LONDON C 69.00
REDUCE BUS 240690 LOAD BY 100 PERCENT                /* LONDON C 69.00
REDUCE BUS 240688 LOAD BY 100 PERCENT                /* PLATSBUR 69.00
REDUCE BUS 240692 LOAD BY 100 PERCENT                /* BIG PLAI 69.00
DISCONNECT BRANCH FROM BUS 238909 TO BUS 240693 CKT 1      /* 02LONDON 69.00 LI & D + 69.00
DISCONNECT BRANCH FROM BUS 240693 TO BUS 240695 CKT 1      /* LI & D + 69.00 LAFYTTE+ 69.00
DISCONNECT BRANCH FROM BUS 240695 TO BUS 240696 CKT 1      /* LAFYTTE+ 69.00 LAFAYETT 69.00
DISCONNECT BRANCH FROM BUS 240695 TO BUS 240697 CKT 1      /* LAFYTTE+ 69.00 SP/MR TI 69.00 /*MR TI 69.00 1
1 0
DISCONNECT BRANCH FROM BUS 240697 TO BUS 240698 CKT 1      /* SP/MR TI 69.00 ASHLND O 69.00 /*MR TI 69.00
ASHLND O 69.00 1 1 0

```

```

DISCONNECT BRANCH FROM BUS 238909 TO BUS 240694 CKT F      /* 02LONDON 69.00 LI & DEE 69.00
REDUCE BUS 240694 LOAD BY 100 PERCENT                      /* LI & DEE 69.00
REDUCE BUS 240694 LOAD BY 100 PERCENT                      /* LI & DEE 69.00
DISCONNECT BUS 238908                                      /* 02LONDON 138.00
DISCONNECT BUS 240694                                      /* LI & DEE 69.00
DISCONNECT BUS 240693                                      /* LI & D + 69.00
DISCONNECT BUS 240695                                      /* LAFYTTE+ 69.00
DISCONNECT BUS 240696                                      /* LAFAYETT 69.00
DISCONNECT BUS 240697                                      /* SP/MR TI 69.00 /*MR TI 69.00
DISCONNECT BUS 240698                                      /* ASHLND O 69.00
DISCONNECT BUS 240691                                      /* BG PLAN+ 69.00
DISCONNECT BUS 240689                                      /* LCI + 69.00
DISCONNECT BUS 240688                                      /* PLATSBUR 69.00
DISCONNECT BUS 240690                                      /* LONDON C 69.00
DISCONNECT BUS 238909                                      /* 02LONDON 69.00
DISCONNECT BUS 240692                                      /* BIG PLAI 69.00
END
CONTINGENCY 'C1-BUS-WR003B'                                /* RICHLAND 138 J BUS
REDUCE BUS 239269 SHUNT BY 100 PERCENT                    /* 02RICHLJ 138.00
DISCONNECT BUS 239065                                      /* 02RICHG2 13.80
DISCONNECT BUS 239066                                      /* 02RICHG3 13.80
DISCONNECT BUS 238522                                      /* 02RCHLN 69.00
DISCONNECT BRANCH FROM BUS 239071 TO BUS 239269 CKT ZB    /* 02RICHLN 138.00 02RICHLJ 138.00
DISCONNECT BRANCH FROM BUS 239269 TO BUS 239060 CKT 1     /* 02RICHLJ 138.00 02RDGVL 138.00
DISCONNECT BUS 238556                                      /* 02AYERSV 138.00
DISCONNECT BUS 238511                                      /* 02GMC-J 138.00
DISCONNECT BRANCH FROM BUS 239269 TO BUS 242993 CKT 1     /* 02RICHLJ 138.00 05E.LPSC 138.00
REMOVE MACHINE 4 FROM BUS 239067                          /* 02RICHG4 13.80
END
CONTINGENCY 'C1-BUS-WR004B'                                /* STRYKER 138 BUS
DISCONNECT BRANCH FROM BUS 239126 TO BUS 239127 TO BUS 239202 CKT 3/* 02STRY 69.00 02STRYKE 138.00
02STRYCT 13.2
DISCONNECT BUS 239127                                      /* 02STRYKE 138.00
END
/*=====AEP=====
CONTINGENCY '305_C1'
OPEN BRANCH FROM BUS 242508 TO BUS 242513 CKT 1          / 242508 05AMOS 765 242513 05CULLOD 765 1
END
CONTINGENCY '325_C1'
OPEN BRANCH FROM BUS 242522 TO BUS 242537 CKT 7          / 242522 05AMOS 345 242537 05AMOS 138 7
END
CONTINGENCY '326_C1'
OPEN BRANCH FROM BUS 242522 TO BUS 242537 CKT 8          / 242522 05AMOS 345 242537 05AMOS 138 8
END
CONTINGENCY '2773_C1'
REMOVE UNIT 1A FROM BUS 242931                            / 242931 05BEVERL 345
REMOVE UNIT 1B FROM BUS 242931                            / 242931 05BEVERL 345
REMOVE UNIT 1S FROM BUS 242931                            / 242931 05BEVERL 345
END
CONTINGENCY '2814_C1'
REMOVE UNIT 1A FROM BUS 242947                            / 242947 05WATERF 345
REMOVE UNIT 1S FROM BUS 242947                            / 242947 05WATERF 345
END
CONTINGENCY '2815_C1'
REMOVE UNIT 1B FROM BUS 242947                            / 242947 05WATERF 345
REMOVE UNIT 1C FROM BUS 242947                            / 242947 05WATERF 345
END
CONTINGENCY '8436_C1'
OPEN BRANCH FROM BUS 242570 TO BUS 242690 CKT 1          / 242570 05BUCHAN 138 242690 05KEENMT 138 1
OPEN BRANCH FROM BUS 242654 TO BUS 242690 CKT Z1         / 242654 05GRASCK 138 242690 05KEENMT 138 Z1
OPEN BRANCH FROM BUS 242661 TO BUS 242794 CKT 1          / 242661 05HALES1 138 242794 05SHACKM 138 1

```


OPEN BRANCH FROM BUS 242766 TO BUS 247149 CKT 1	/ 242766 05RICHLA 138 247149 05WHITWD 138 1
OPEN BRANCH FROM BUS 242794 TO BUS 247149 CKT 1	/ 242794 05SHACKM 138 247149 05WHITWD 138 1
OPEN BRANCH FROM BUS 242766 TO BUS 244305 CKT 2	/ 242766 05RICHLA 138 244305 RICHLNDS 69.0 2
OPEN BRANCH FROM BUS 242794 TO BUS 244319 CKT Z1	/ 242794 05SHACKM 138 244319 SHACKMIL 69.0 Z1
END	
CONTINGENCY '8016_C1_05ADAM 138-1_MOAB'	
OPEN BRANCH FROM BUS 246232 TO BUS 243237 CKT 1	/ 246232 ADAMS1EQ 999 243237 05ADAM 138 1
OPEN BRANCH FROM BUS 246232 TO BUS 246231 CKT 1	/ 246232 ADAMS1EQ 999 246231 ADAMS- 69.0 1
OPEN BRANCH FROM BUS 246232 TO BUS 246230 CKT 1	/ 246232 ADAMS1EQ 999 246230 ADAMS 34.5 1
OPEN BRANCH FROM BUS 243237 TO BUS 243334 CKT 1	/ 243237 05ADAM 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243237 TO BUS 243358 CKT 1	/ 243237 05ADAM 138 243358 05PENNNVI 138 1
END	
CONTINGENCY '8008_C1_05ADAM 138-1_WOMOAB'	
OPEN BRANCH FROM BUS 246232 TO BUS 243237 CKT 1	/ 246232 ADAMS1EQ 999 243237 05ADAM 138 1
OPEN BRANCH FROM BUS 246232 TO BUS 246231 CKT 1	/ 246232 ADAMS1EQ 999 246231 ADAMS- 69.0 1
OPEN BRANCH FROM BUS 246232 TO BUS 246230 CKT 1	/ 246232 ADAMS1EQ 999 246230 ADAMS 34.5 1
OPEN BRANCH FROM BUS 243237 TO BUS 243334 CKT 1	/ 243237 05ADAM 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243237 TO BUS 243358 CKT 1	/ 243237 05ADAM 138 243358 05PENNNVI 138 1
OPEN BRANCH FROM BUS 243319 TO BUS 243358 CKT 1	/ 243319 05JAY 138 243358 05PENNNVI 138 1
OPEN BRANCH FROM BUS 243358 TO BUS 246021 CKT 1	/ 243358 05PENNNVI 138 246021 PENNNVL L 12.0 1
END	
CONTINGENCY '5005_C1_05AMOS 765-1'	
OPEN BRANCH FROM BUS 242508 TO BUS 242538 CKT 6	/ 242508 05AMOS 765 242538 05AMOSX6 138 6
OPEN BRANCH FROM BUS 242537 TO BUS 242538 CKT 1	/ 242537 05AMOS 138 242538 05AMOSX6 138 1
END	
CONTINGENCY '316_C1_05AMOS 765-2'	
OPEN BRANCH FROM BUS 242508 TO BUS 242522 CKT 5	/ 242508 05AMOS 765 242522 05AMOS 345 5
END	
CONTINGENCY '327_C1_05BAKER 345-2'	
OPEN BRANCH FROM BUS 242523 TO BUS 243670 CKT 1	/ 242523 05BAKER 345 243670 05BAKER 138 1
OPEN BRANCH FROM BUS 243669 TO BUS 243670 CKT 1	/ 243669 05B SAND 138 243670 05BAKER 138 1
END	
CONTINGENCY '7308_C1_05BAKER 765-1'	
OPEN BRANCH FROM BUS 242510 TO BUS 242523 CKT 3	/ 242510 05BAKER 765 242523 05BAKER 345 3
END	
CONTINGENCY '317_C1_05BAKER 765-2'	
OPEN BRANCH FROM BUS 242510 TO BUS 242523 CKT 1	/ 242510 05BAKER 765 242523 05BAKER 345 1
END	
CONTINGENCY '739_C1_05BEATTY 345-N'	
OPEN BRANCH FROM BUS 243453 TO BUS 243469 CKT 3	/ 243453 05BEATTY 345 243469 05BEATTY 138 3
END	
CONTINGENCY '3199_C1_05BEATTY 345-S'	
OPEN BRANCH FROM BUS 243453 TO BUS 243468 CKT 4	/ 243453 05BEATTY 345 243468 05BEATTX 138 4
OPEN BRANCH FROM BUS 243468 TO BUS 243469 CKT SR	/ 243468 05BEATTX 138 243469 05BEATTY 138 SR
OPEN BRANCH FROM BUS 243468 TO BUS 243469 CKT ZB	/ 243468 05BEATTX 138 243469 05BEATTY 138 ZB
END	
CONTINGENCY '7019_C1_05BENTON 345-1'	
OPEN BRANCH FROM BUS 243212 TO BUS 243250 CKT 1	/ 243212 05BENTON 345 243250 05BENTON 138 1
END	
CONTINGENCY '7021_C1_05BENTON 345-2'	
OPEN BRANCH FROM BUS 243212 TO BUS 247502 CKT 1	/ 243212 05BENTON 345 247502 T-094 345 1
END	
CONTINGENCY '8432_C1_05BERWIN 138-'	
OPEN BRANCH FROM BUS 247153 TO BUS 247150 CKT 1	/ 247153 05BERWIN 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247153 TO BUS 247151 CKT 1	/ 247153 05BERWIN 138 247151 05YUKON 138 1
OPEN BRANCH FROM BUS 247153 TO BUS 247164 CKT Z1	/ 247153 05BERWIN 138 247164 BERWINDL 12.0 Z1
END	
CONTINGENCY '7841_C1_05BLUEF1 138-1_MOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242556 TO BUS 242707 CKT 1	/ 242556 05BLUEF1 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242556 TO BUS 244341 CKT 1	/ 242556 05BLUEF1 138 244341 BLFLD1 L 12.0 1

END	
CONTINGENCY '7821_C1_05BLUEF1 138-1_WOMOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242556 TO BUS 242707 CKT 1	/ 242556 05BLUEF1 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242556 TO BUS 244341 CKT 1	/ 242556 05BLUEF1 138 244341 BLFLD1 L 12.0 1
OPEN BRANCH FROM BUS 242707 TO BUS 244300 CKT 1	/ 242707 05LOWESM 138 244300 LNSMPN L 12.0 1
END	
CONTINGENCY '7842_C1_05BLUEF2 138-2_MOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242557 TO BUS 242784 CKT 1	/ 242557 05BLUEF2 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242557 TO BUS 244370 CKT Z1	/ 242557 05BLUEF2 138 244370 BLFLD2 L 12.0 Z1
END	
CONTINGENCY '7826_C1_05BLUEF2 138-2_WOMOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242557 CKT Z1	/ 242556 05BLUEF1 138 242557 05BLUEF2 138 Z1
OPEN BRANCH FROM BUS 242557 TO BUS 242784 CKT 1	/ 242557 05BLUEF2 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242630 TO BUS 242784 CKT 1	/ 242630 05E.RIVE 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242784 TO BUS 244360 CKT 1	/ 242784 05S.BLUE 138 244360 SBLFELD 69.0 1
OPEN BRANCH FROM BUS 242557 TO BUS 244370 CKT Z1	/ 242557 05BLUEF2 138 244370 BLFLD2 L 12.0 Z1
OPEN BRANCH FROM BUS 242784 TO BUS 244361 CKT 1	/ 242784 05S.BLUE 138 244361 SBLFIELD 12.0 1
OPEN BRANCH FROM BUS 244158 TO BUS 244360 CKT 1	/ 244158 BLAND 69.0 244360 SBLFELD 69.0 1
END	
CONTINGENCY '7801_C1_05BRADL1 138-1'	
OPEN BRANCH FROM BUS 244877 TO BUS 242564 CKT 1	/ 244877 BRDLEYEQ 999 242564 05BRADL1 138 1
OPEN BRANCH FROM BUS 244877 TO BUS 244380 CKT 1	/ 244877 BRDLEYEQ 999 244380 BRADLEY 69.0 1
OPEN BRANCH FROM BUS 244877 TO BUS 244876 CKT 1	/ 244877 BRDLEYEQ 999 244876 BRADLEY 46.0 1
OPEN BRANCH FROM BUS 242564 TO BUS 242565 CKT Z1	/ 242564 05BRADL1 138 242565 05BRADL2 138 Z1
OPEN BRANCH FROM BUS 242564 TO BUS 247045 CKT 1	/ 242564 05BRADL1 138 247045 05CLARMO 138 1
OPEN BRANCH FROM BUS 242564 TO BUS 242653 CKT 1	/ 242564 05BRADL1 138 242653 05GRANDV 138 1
OPEN BRANCH FROM BUS 242564 TO BUS 247333 CKT 1	/ 242564 05BRADL1 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 242564 TO BUS 242758 CKT 1	/ 242564 05BRADL1 138 242758 05POLEYD 138 1
OPEN BRANCH FROM BUS 244380 TO BUS 244442 CKT 1	/ 244380 BRADLEY 69.0 244442 PRINCE 69.0 1
END	
CONTINGENCY '7792_C1_05BRADL2 138-2'	
OPEN BRANCH FROM BUS 244395 TO BUS 242618 CKT 1	/ 244395 DAMERNEQ 999 242618 05DAMERN 138 1
OPEN BRANCH FROM BUS 244395 TO BUS 244396 CKT 1	/ 244395 DAMERNEQ 999 244396 DAMERON 46.0 1
OPEN BRANCH FROM BUS 242564 TO BUS 242565 CKT Z1	/ 242564 05BRADL1 138 242565 05BRADL2 138 Z1
OPEN BRANCH FROM BUS 242565 TO BUS 242618 CKT 1	/ 242565 05BRADL2 138 242618 05DAMERN 138 1
OPEN BRANCH FROM BUS 242565 TO BUS 242695 CKT 1	/ 242565 05BRADL2 138 242695 05KINCAI 138 1
END	
CONTINGENCY '8481_C1_05BRUES 138-1'	
OPEN BRANCH FROM BUS 242968 TO BUS 245920 CKT 4	/ 242968 05BRUES 138 245920 BRUES 69.0 4
END	
CONTINGENCY '8486_C1_05BRUES2 138-2'	
OPEN BRANCH FROM BUS 242969 TO BUS 245921 CKT 5	/ 242969 05BRUES2 138 245921 BRUES-2 69.0 5
END	
CONTINGENCY '8562_C1_05CANTNC 345-1_WOMOAB'	
OPEN BRANCH FROM BUS 242932 TO BUS 242944 CKT 1	/ 242932 05CANTNC 345 242944 05SECANT 345 1
OPEN BRANCH FROM BUS 242944 TO BUS 243097 CKT 1	/ 242944 05SECANT 345 243097 05SECANT 138 1
END	
CONTINGENCY '1277_C1_05CANTNC 345-2'	
OPEN BRANCH FROM BUS 242932 TO BUS 242980 CKT 12	/ 242932 05CANTNC 345 242980 05CANTNC 138 12
END	
CONTINGENCY '7625_C1_05CARROL 138-1'	
OPEN BRANCH FROM BUS 242981 TO BUS 247016 CKT 1	/ 242981 05CARROL 138 247016 05GABLSS 138 1
OPEN BRANCH FROM BUS 242981 TO BUS 245117 CKT Z1	/ 242981 05CARROL 138 245117 CARRLTNL 12.0 Z1
END	
CONTINGENCY '7567_C1_05CHERCK 138-1'	
OPEN BRANCH FROM BUS 242594 TO BUS 242604 CKT 1	/ 242594 05CHERCK 138 242604 05CLIFFT 138 1
OPEN BRANCH FROM BUS 242594 TO BUS 242747 CKT 1	/ 242594 05CHERCK 138 242747 05PEMBRT 138 1
OPEN BRANCH FROM BUS 242594 TO BUS 244390 CKT 1	/ 242594 05CHERCK 138 244390 CHERRYCR 46.0 1

END
CONTINGENCY '8187_C1_05CHESTR 138-1'
OPEN BRANCH FROM BUS 244786 TO BUS 242596 CKT 1 / 244786 CHESAVEQ 999 242596 05CHESTR 138 1
OPEN BRANCH FROM BUS 244786 TO BUS 244785 CKT 1 / 244786 CHESAVEQ 999 244785 CHES AVE 69.0 1
OPEN BRANCH FROM BUS 244786 TO BUS 244784 CKT 1 / 244786 CHESAVEQ 999 244784 CHES AVE 46.0 1
OPEN BRANCH FROM BUS 242574 TO BUS 242596 CKT 1 / 242574 05CABINC 138 242596 05CHESTR 138 1
OPEN BRANCH FROM BUS 242596 TO BUS 242813 CKT 1 / 242596 05CHESTR 138 242813 05SRIDGE 138 1
OPEN BRANCH FROM BUS 242596 TO BUS 244805 CKT 1 / 242596 05CHESTR 138 244805 CHESAVEL 12.0 1
OPEN BRANCH FROM BUS 244773 TO BUS 244785 CKT 1 / 244773 BRIDGE 69.0 244785 CHES AVE 69.0 1
OPEN BRANCH FROM BUS 244784 TO BUS 244787 CKT 1 / 244784 CHES AVE 46.0 244787 CHESAVTP 46.0 1
OPEN BRANCH FROM BUS 244784 TO BUS 244794 CKT 1 / 244784 CHES AVE 46.0 244794 LOUDENDA 46.0 1
END
CONTINGENCY '1388_C1_05CLOVRD 345-1'
OPEN BRANCH FROM BUS 242524 TO BUS 242607 CKT 1A / 242524 05CLOVRD 345 242607 05CLOVRD 138 1A
OPEN BRANCH FROM BUS 242524 TO BUS 242607 CKT 1B / 242524 05CLOVRD 345 242607 05CLOVRD 138 1B
END
CONTINGENCY '328_C1_05CLOVRD 345-2'
OPEN BRANCH FROM BUS 242524 TO BUS 242607 CKT 3 / 242524 05CLOVRD 345 242607 05CLOVRD 138 3
END
CONTINGENCY '6935_C1_05CNTYRD 138-1_WOMOAB'
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1 / 243249 05BEECH 138 243260 05CNTYRD 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1 / 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1 / 243260 05CNTYRD 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 246419 CKT 1 / 243249 05BEECH 138 246419 BEECH RD 12.0 1
OPEN BRANCH FROM BUS 243260 TO BUS 246398 CKT Z1 / 243260 05CNTYRD 138 246398 CNTYRD L 12.0 Z1
END
CONTINGENCY '8243_C1_05CNTYRD 138-1_MOAB'
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1 / 243249 05BEECH 138 243260 05CNTYRD 138 1
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1 / 243260 05CNTYRD 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243260 TO BUS 246398 CKT Z1 / 243260 05CNTYRD 138 246398 CNTYRD L 12.0 Z1
END
CONTINGENCY '8276_C1_05CONCOR 138-1'
OPEN BRANCH FROM BUS 243264 TO BUS 243266 CKT 1 / 243264 05CONCOR 138 243266 05COUNTR 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243283 CKT 1 / 243264 05CONCOR 138 243283 05DUNLAP 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243385 CKT 1 / 243264 05CONCOR 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 246386 CKT 1 / 243264 05CONCOR 138 246386 CONCORD 34.5 1
OPEN BRANCH FROM BUS 243264 TO BUS 246385 CKT 2 / 243264 05CONCOR 138 246385 CONCOR L 12.0 2
OPEN BRANCH FROM BUS 243264 TO BUS 246385 CKT 3 / 243264 05CONCOR 138 246385 CONCOR L 12.0 3
END
CONTINGENCY '6464_C1_05CONVOY 345-12'
REMOVE UNIT 1 FROM BUS 242933 / 242933 05RPMONE 345
REMOVE UNIT 2 FROM BUS 242933 / 242933 05RPMONE 345
REMOVE UNIT 3 FROM BUS 242933 / 242933 05RPMONE 345
END
CONTINGENCY '358_C1_05COOK 765-1'
OPEN BRANCH FROM BUS 243205 TO BUS 243206 CKT 1 / 243205 05COOK 765 243206 05DUMONT 765 1
END
CONTINGENCY '8153_C1_05CRCLVS 138-S'
OPEN BRANCH FROM BUS 246889 TO BUS 243483 CKT 1 / 246889 05BIERSR 138 243483 05CRCLVS 138 1
OPEN BRANCH FROM BUS 243483 TO BUS 243569 CKT 1 / 243483 05CRCLVS 138 243569 05SCIPPO 138 1
END
CONTINGENCY '8785_C1_05CROSS 138-1'
OPEN BRANCH FROM BUS 243270 TO BUS 246094 CKT 1 / 243270 05CROSS 138 246094 CROSST L 12.0 1
END
CONTINGENCY '6915_C1_05DELAWR 138-1'
OPEN BRANCH FROM BUS 243275 TO BUS 243373 CKT 1 / 243275 05DELAWR 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243387 CKT 1 / 243275 05DELAWR 138 243387 05VANBUR 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243393 CKT 1 / 243275 05DELAWR 138 243393 05WESDEL 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 246037 CKT 1 / 243275 05DELAWR 138 246037 DELAWARE 34.5 1
END
CONTINGENCY '6916_C1_05DELAWR 138-2'

OPEN BRANCH FROM BUS 243275 TO BUS 243311 CKT 1	/ 243275 05DELAWR 138 243311 05HOGAN 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243325 CKT 1	/ 243275 05DELAWR 138 243325 05LANTRN 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243344 CKT 1	/ 243275 05DELAWR 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 246037 CKT 2	/ 243275 05DELAWR 138 246037 DELAWARE 34.5 2
END	
CONTINGENCY '8701_C1_05DESOTO 345-1'	
OPEN BRANCH FROM BUS 243218 TO BUS 247508 CKT 1	/ 243218 05DESOTO 345 247508 U2-090 C 345 1
END	
CONTINGENCY '674_C1_05DESOTO 345-2_WOMOP'	
OPEN BRANCH FROM BUS 243218 TO BUS 243278 CKT 1	/ 243218 05DESOTO 345 243278 05DESOTO 138 1
END	
CONTINGENCY '8337_C1_05DORTON 138-1'	
OPEN BRANCH FROM BUS 243671 TO BUS 243685 CKT 1	/ 243671 05BEAVR1 138 243685 05DORTON 138 1
OPEN BRANCH FROM BUS 243673 TO BUS 243685 CKT 1	/ 243673 05BEEFHI 138 243685 05DORTON 138 1
OPEN BRANCH FROM BUS 243685 TO BUS 243899 CKT 1	/ 243685 05DORTON 138 243899 05LOCKHA 138 1
OPEN BRANCH FROM BUS 243685 TO BUS 243809 CKT 1	/ 243685 05DORTON 138 243809 DORTON 46.0 1
OPEN BRANCH FROM BUS 244639 TO BUS 243809 CKT 1	/ 244639 BRANBK2L 46.0 243809 DORTON 46.0 1
OPEN BRANCH FROM BUS 244591 TO BUS 243809 CKT 1	/ 244591 BURDINE 46.0 243809 DORTON 46.0 1
END	
CONTINGENCY '3193_C1_05DUMONT 345-1'	
OPEN BRANCH FROM BUS 243219 TO BUS 243232 CKT 1	/ 243219 05DUMONT 345 243232 05SORENS 345 1
END	
CONTINGENCY '663_C1_05DUMONT 765-1'	
OPEN BRANCH FROM BUS 243206 TO BUS 243219 CKT 1	/ 243206 05DUMONT 765 243219 05DUMONT 345 1
END	
CONTINGENCY '17_C1_05DUMONT 765-2'	
OPEN BRANCH FROM BUS 243206 TO BUS 243219 CKT 2	/ 243206 05DUMONT 765 243219 05DUMONT 345 2
OPEN BRANCH FROM BUS 243219 TO BUS 909144 CKT 2	/ 243219 05DUMONT 345 909144 X2-052 TAP 345 2
END	
CONTINGENCY '6496_C1_05E LIMA 345-1'	
OPEN BRANCH FROM BUS 242935 TO BUS 247506 CKT 1	/ 242935 05E LIMA 345 247506 U2-041 C 345 1
END	
CONTINGENCY '724_C1_05E LIMA 345-2_WOMOP'	
OPEN BRANCH FROM BUS 242935 TO BUS 242936 CKT 1	/ 242935 05E LIMA 345 242936 05FOSTOR 345 1
END	
CONTINGENCY '8100_C1_05E.LPSC 138-1'	
OPEN BRANCH FROM BUS 242993 TO BUS 247000 CKT 1	/ 242993 05E.LPSC 138 247000 05YELLWC 138 1
END	
CONTINGENCY '8676_C1_05EDANV1 230-1'	
OPEN BRANCH FROM BUS 242530 TO BUS 242631 CKT 5	/ 242530 05EDANV1 230 242631 05EDAN 1 138 5
END	
CONTINGENCY '8677_C1_05EDANV2 230-2'	
OPEN BRANCH FROM BUS 242531 TO BUS 242632 CKT 4	/ 242531 05EDANV2 230 242632 05EDAN 2 138 4
END	
CONTINGENCY '8538_C1_05EDGEMO 138-1'	
OPEN BRANCH FROM BUS 242609 TO BUS 242634 CKT 1	/ 242609 05CLYTR2 138 242634 05EDGEMO 138 1
OPEN BRANCH FROM BUS 242634 TO BUS 242636 CKT 1	/ 242634 05EDGEMO 138 242636 05FALLBR 138 1
OPEN BRANCH FROM BUS 242634 TO BUS 242839 CKT 1	/ 242634 05EDGEMO 138 242839 05VICKER 138 1
OPEN BRANCH FROM BUS 242634 TO BUS 244108 CKT 1	/ 242634 05EDGEMO 138 244108 EDGEMT L 12.0 1
END	
CONTINGENCY '700_C1_05EELKHA 138-1'	
OPEN BRANCH FROM BUS 243220 TO BUS 243287 CKT 2	/ 243220 05EELKHA 345 243287 05EELKHA 138 2
END	
CONTINGENCY '8507_C1_05ELLISN 138-2'	
OPEN BRANCH FROM BUS 243268 TO BUS 247132 CKT 1	/ 243268 05COVNT 138 247132 05ELLISN 138 1
OPEN BRANCH FROM BUS 243268 TO BUS 246115 CKT 1	/ 243268 05COVNT 138 246115 COVENT 8 12.0 1
OPEN BRANCH FROM BUS 243268 TO BUS 246115 CKT 2	/ 243268 05COVNT 138 246115 COVENT 8 12.0 2
END	
CONTINGENCY '672_C1_05EUGENE 345-1'	
OPEN BRANCH FROM BUS 243217 TO BUS 243221 CKT 1	/ 243217 05DEQUIN 345 243221 05EUGENE 345 1
END	

CONTINGENCY '8535_C1_05FALLBR 138-1'	
OPEN BRANCH FROM BUS 242636 TO BUS 244109 CKT 1	/ 242636 05FALLBR 138 244109 FALLBR L 12.0 1
END	
CONTINGENCY '8428_C1_05FARDAY 138-1'	
OPEN BRANCH FROM BUS 247160 TO BUS 247150 CKT 1	/ 247160 05BEARWA 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247153 TO BUS 247150 CKT 1	/ 247153 05BERWIN 138 247150 05FARDAY 138 1
OPEN BRANCH FROM BUS 247150 TO BUS 242827 CKT 1	/ 247150 05FARDAY 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 247160 TO BUS 244270 CKT 1	/ 247160 05BEARWA 138 244270 BEARWALW 69.0 1
OPEN BRANCH FROM BUS 247150 TO BUS 247161 CKT 1	/ 247150 05FARDAY 138 247161 FARADAY 34.5 1
OPEN BRANCH FROM BUS 244333 TO BUS 247161 CKT 1	/ 244333 AMONTLTS 34.5 247161 FARADAY 34.5 1
END	
CONTINGENCY '7402_C1_05FIREBR 138-1'	
OPEN BRANCH FROM BUS 243069 TO BUS 243013 CKT 1	/ 243069 05FIREBR 138 243013 05GAVIN1 138 1
OPEN BRANCH FROM BUS 243069 TO BUS 243042 CKT 1	/ 243069 05FIREBR 138 243042 05MILLBR 138 1
OPEN BRANCH FROM BUS 243069 TO BUS 246782 CKT 1	/ 243069 05FIREBR 138 246782 FIREBRCK 69.0 1
END	
CONTINGENCY '2819_C1_05FLTLC 765-1'	
REMOVE UNIT 1 FROM BUS 242922	/ 242922 05FLTLC 765
REMOVE UNIT 2 FROM BUS 242922	/ 242922 05FLTLC 765
REMOVE UNIT 3 FROM BUS 242922	/ 242922 05FLTLC 765
END	
CONTINGENCY '2820_C1_05FLTLC 765-2'	
REMOVE UNIT 4 FROM BUS 242922	/ 242922 05FLTLC 765
REMOVE UNIT 5 FROM BUS 242922	/ 242922 05FLTLC 765
END	
CONTINGENCY '7730_C1_05FREMCT 138-1'	
OPEN BRANCH FROM BUS 243008 TO BUS 243009 CKT 1	/ 243008 05FREMCT 138 243009 05FRMNT 138 1
OPEN BRANCH FROM BUS 243008 TO BUS 243130 CKT 1	/ 243008 05FREMCT 138 243130 05TIFFIN 138 1
OPEN BRANCH FROM BUS 243008 TO BUS 243130 CKT 2	/ 243008 05FREMCT 138 243130 05TIFFIN 138 2
OPEN BRANCH FROM BUS 243008 TO BUS 245614 CKT 1	/ 243008 05FREMCT 138 245614 FREMNT C 69.0 1
END	
CONTINGENCY '7926_C1_05GARRET 138-1'	
OPEN BRANCH FROM BUS 243246 TO BUS 243295 CKT 1	/ 243246 05AUBUNC 138 243295 05GARRET 138 1
OPEN BRANCH FROM BUS 243295 TO BUS 246769 CKT 1	/ 243295 05GARRET 138 246769 05MINERR 138 1
OPEN BRANCH FROM BUS 243295 TO BUS 246228 CKT Z1	/ 243295 05GARRET 138 246228 GARRETTL 69.0 Z1
END	
CONTINGENCY '7564_C1_05GRANDV 138-1'	
OPEN BRANCH FROM BUS 242564 TO BUS 242653 CKT 1	/ 242564 05BRADL1 138 242653 05GRANDV 138 1
OPEN BRANCH FROM BUS 242604 TO BUS 242653 CKT 1	/ 242604 05CLIFFT 138 242653 05GRANDV 138 1
OPEN BRANCH FROM BUS 242653 TO BUS 242668 CKT 1	/ 242653 05GRANDV 138 242668 05HINTON 138 1
END	
CONTINGENCY '2821_C1_05HANG R 765-1'	
OPEN BRANCH FROM BUS 242921 TO BUS 242924 CKT 1	/ 242921 05CORNU 765 242924 05HANG R 765 1
END	
CONTINGENCY '7286_C1_05HARTFO 138-1'	
OPEN BRANCH FROM BUS 246455 TO BUS 243307 CKT 1	/ 246455 HARTFDEQ 999 243307 05HARTFO 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 243307 CKT 1	/ 247134 05EWATRV 138 243307 05HARTFO 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 243396 CKT 1	/ 247134 05EWATRV 138 243396 05WESTST 138 1
OPEN BRANCH FROM BUS 243307 TO BUS 243386 CKT 1	/ 243307 05HARTFO 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 247135 CKT Z1	/ 247134 05EWATRV 138 247135 EWATRV L 12.0 Z1
END	
CONTINGENCY '3233_C1_05HAYDEN 345-1'	
OPEN BRANCH FROM BUS 243457 TO BUS 243461 CKT 1	/ 243457 05HAYDEN 345 243461 05ROBRT1 345 1
END	
CONTINGENCY '714_C1_05HAYDEN 345-2'	
OPEN BRANCH FROM BUS 243453 TO BUS 243457 CKT 1	/ 243453 05BEATTY 345 243457 05HAYDEN 345 1
END	
CONTINGENCY '8383_C1_05HERNSH 138-1'	
OPEN BRANCH FROM BUS 242574 TO BUS 247022 CKT 1	/ 242574 05CABINC 138 247022 05HERNSH 138 1
OPEN BRANCH FROM BUS 247022 TO BUS 242782 CKT 1	/ 247022 05HERNSH 138 242782 05RUTH 138 1
OPEN BRANCH FROM BUS 247022 TO BUS 247023 CKT Z1	/ 247022 05HERNSH 138 247023 HERNshaw 34.5 Z1

END
CONTINGENCY '8105_C1_05HILLSB 138-2'
OPEN BRANCH FROM BUS 243019 TO BUS 246946 CKT 1 / 243019 05HILLSB 138 246946 05WLDCAT 138 1
END
CONTINGENCY '8127_C1_05HOPETN 138-1'
OPEN BRANCH FROM BUS 246889 TO BUS 246890 CKT 1 / 246889 05BIERSR 138 246890 05HOPETN 138 1
OPEN BRANCH FROM BUS 243497 TO BUS 246890 CKT 1 / 243497 05DELANO 138 246890 05HOPETN 138 1
OPEN BRANCH FROM BUS 246890 TO BUS 246986 CKT Z1 / 246890 05HOPETN 138 246986 HOPETWNL 12.0 Z1
END
CONTINGENCY '7119_C1_05HOWARD 138-2'
OPEN BRANCH FROM BUS 245666 TO BUS 243024 CKT 1 / 245666 HOWRD1EQ 999 243024 05HOWARD 138 1
OPEN BRANCH FROM BUS 245666 TO BUS 245663 CKT 1 / 245666 HOWRD1EQ 999 245663 HOWARD 69.0 1
OPEN BRANCH FROM BUS 243024 TO BUS 243039 CKT 1 / 243024 05HOWARD 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243061 CKT 1 / 243024 05HOWARD 138 243061 05NLEXTN 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243101 CKT 1 / 243024 05HOWARD 138 243101 05SHELNS 138 1
END
CONTINGENCY '6356_C1_05HYATT 345-2_WOMOAB'
OPEN BRANCH FROM BUS 243458 TO BUS 242949 CKT 1 / 243458 05HYATT 345 242949 05WMILLP 345 1
END
CONTINGENCY '7207_C1_05HYATT 345-N'
OPEN BRANCH FROM BUS 243458 TO BUS 246752 CKT 1 / 243458 05HYATT 345 246752 05VASSEL 345 1
END
CONTINGENCY '58_C1_05HYATT 345-S'
OPEN BRANCH FROM BUS 243458 TO BUS 243526 CKT 1A / 243458 05HYATT 345 243526 05HYATT 138 1A
OPEN BRANCH FROM BUS 243458 TO BUS 243526 CKT 1B / 243458 05HYATT 345 243526 05HYATT 138 1B
END
CONTINGENCY '7896_C1_05INDUSP 138-1'
OPEN BRANCH FROM BUS 246127 TO BUS 243316 CKT 1 / 246127 IND PKEQ 999 243316 05INDUSP 138 1
OPEN BRANCH FROM BUS 246127 TO BUS 246129 CKT 1 / 246127 IND PKEQ 999 246129 INDUST P 69.0 1
OPEN BRANCH FROM BUS 246127 TO BUS 246128 CKT 1 / 246127 IND PKEQ 999 246128 INDUST P 34.5 1
OPEN BRANCH FROM BUS 243315 TO BUS 243316 CKT 1 / 243315 05ILLINO 138 243316 05INDUSP 138 1
OPEN BRANCH FROM BUS 243316 TO BUS 243338 CKT 1 / 243316 05INDUSP 138 243338 05MCKINL 138 1
OPEN BRANCH FROM BUS 243316 TO BUS 243378 CKT 1 / 243316 05INDUSP 138 243378 05SPY RU 138 1
OPEN BRANCH FROM BUS 243316 TO BUS 243381 CKT 1 / 243316 05INDUSP 138 243381 05SUMMIT 138 1
OPEN BRANCH FROM BUS 243316 TO BUS 246126 CKT 3 / 243316 05INDUSP 138 246126 IND PK L 12.0 3
OPEN BRANCH FROM BUS 246129 TO BUS 246133 CKT 1 / 246129 INDUST P 69.0 246133 KROEMER8 69.0 1
END
CONTINGENCY '25_C1_05JACKSR 138-1_WOMOAB'
OPEN BRANCH FROM BUS 243215 TO BUS 243223 CKT 1 / 243215 05COOK 345 243223 05JACKSR 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243234 CKT 1 / 243223 05JACKSR 345 243234 05TWIN B 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243318 CKT 3 / 243223 05JACKSR 345 243318 05JACKSR 138 3
END
CONTINGENCY '1263_C1_05JACKSR 138-1_MOAB'
OPEN BRANCH FROM BUS 243223 TO BUS 243318 CKT 3 / 243223 05JACKSR 345 243318 05JACKSR 138 3
END
CONTINGENCY '7660_C1_05JOHNSC 138-1'
OPEN BRANCH FROM BUS 243662 TO BUS 243695 CKT 1 / 243662 JOHNCREQ 999 243695 05JOHNSC 138 1
OPEN BRANCH FROM BUS 243662 TO BUS 244606 CKT 1 / 243662 JOHNCREQ 999 244606 JOHNSCR 69.0 1
OPEN BRANCH FROM BUS 243662 TO BUS 244607 CKT 1 / 243662 JOHNCREQ 999 244607 JOHNSCRK 34.5 1
OPEN BRANCH FROM BUS 243680 TO BUS 243695 CKT 1 / 243680 05CEDARC 138 243695 05JOHNSC 138 1
OPEN BRANCH FROM BUS 243686 TO BUS 243695 CKT 1 / 243686 05EXCELT 138 243695 05JOHNSC 138 1
OPEN BRANCH FROM BUS 243695 TO BUS 243701 CKT 1 / 243695 05JOHNSC 138 243701 05STONE 138 1
OPEN BRANCH FROM BUS 244606 TO BUS 244610 CKT 1 / 244606 JOHNSCR 69.0 244610 KIMPER 69.0 1
OPEN BRANCH FROM BUS 244606 TO BUS 244615 CKT 1 / 244606 JOHNSCR 69.0 244615 MCINNSTP 69.0 1
OPEN BRANCH FROM BUS 244606 TO BUS 247037 CKT 1 / 244606 JOHNSCR 69.0 247037 META SS 69.0 1
OPEN BRANCH FROM BUS 247037 TO BUS 244627 CKT 1 / 247037 META SS 69.0 244627 SCOTTBR 69.0 1
END
CONTINGENCY '1372_C1_05JOSHUA 765-1'
OPEN BRANCH FROM BUS 242515 TO BUS 242688 CKT 1 / 242515 05JOSHUA 765 242688 05JOSHUA 138 1
END
CONTINGENCY '6378_C1_05JUG ST 345-1'

OPEN BRANCH FROM BUS 243456 TO BUS 243855 CKT 1	/ 243456 05CORRID 345 243855 05JUG ST 345 1
OPEN BRANCH FROM BUS 243855 TO BUS 243459 CKT 1	/ 243855 05JUG ST 345 243459 05KIRK 345 1
OPEN BRANCH FROM BUS 243855 TO BUS 243856 CKT 5	/ 243855 05JUG ST 345 243856 05JUG ST 138 5
END	
CONTINGENCY '712_C1_05KAMMER 765-1'	
OPEN BRANCH FROM BUS 242925 TO BUS 242937 CKT 4	/ 242925 05KAMMER 765 242937 05KAMMER 345 4
END	
CONTINGENCY '7678_C1_05KANAWH 138-1'	
OPEN BRANCH FROM BUS 242534 TO BUS 242689 CKT 1	/ 242534 05ALLOY 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242574 TO BUS 242689 CKT 1	/ 242574 05CABINC 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242580 TO BUS 242689 CKT 1	/ 242580 05CARBND 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242649 TO BUS 242689 CKT 1	/ 242649 05GARRSN 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 247333 CKT 1	/ 242689 05KANAWH 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 242763 CKT 1	/ 242689 05KANAWH 138 242763 05RENSFD 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 247052 CKT Z1	/ 242689 05KANAWH 138 247052 KANAW T3 12.0 Z1
END	
CONTINGENCY '7688_C1_05KANAWH 138-2'	
OPEN BRANCH FROM BUS 242574 TO BUS 242689 CKT 2	/ 242574 05CABINC 138 242689 05KANAWH 138 2
OPEN BRANCH FROM BUS 242623 TO BUS 242689 CKT 1	/ 242623 05DAWES 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 242695 CKT 1	/ 242689 05KANAWH 138 242695 05KINCAI 138 1
END	
CONTINGENCY '7663_C1_05KANAWH 345-1'	
OPEN BRANCH FROM BUS 242525 TO BUS 242689 CKT B	/ 242525 05KANAWH 345 242689 05KANAWH 138 B
END	
CONTINGENCY '7664_C1_05KANAWH 345-2'	
OPEN BRANCH FROM BUS 242525 TO BUS 242689 CKT A	/ 242525 05KANAWH 345 242689 05KANAWH 138 A
END	
CONTINGENCY '6232_C1_05KENZIE 345-1'	
OPEN BRANCH FROM BUS 243224 TO BUS 243322 CKT 1	/ 243224 05KENZIE 345 243322 05KENZIE 138 1
END	
CONTINGENCY '2824_C1_05LAWBG1 345-1'	
OPEN BRANCH FROM BUS 243226 TO BUS 243233 CKT 1	/ 243226 05LAWBG1 345 243233 05TANNER 345 1
REMOVE UNIT 1A FROM BUS 243226	/ 243226 05LAWBG1 345
REMOVE UNIT 1B FROM BUS 243226	/ 243226 05LAWBG1 345
REMOVE UNIT 1S FROM BUS 243226	/ 243226 05LAWBG1 345
END	
CONTINGENCY '2825_C1_05LAWBG2 345-2'	
OPEN BRANCH FROM BUS 243227 TO BUS 243233 CKT 2	/ 243227 05LAWBG2 345 243233 05TANNER 345 2
REMOVE UNIT 2A FROM BUS 243227	/ 243227 05LAWBG2 345
REMOVE UNIT 2B FROM BUS 243227	/ 243227 05LAWBG2 345
REMOVE UNIT 2S FROM BUS 243227	/ 243227 05LAWBG2 345
END	
CONTINGENCY '7824_C1_05LOWESM 138-1_MOAB'	
OPEN BRANCH FROM BUS 242556 TO BUS 242707 CKT 1	/ 242556 05BLUEF1 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242571 TO BUS 242707 CKT 1	/ 242571 05BUCKHO 138 242707 05LOWESM 138 1
OPEN BRANCH FROM BUS 242707 TO BUS 244300 CKT 1	/ 242707 05LOWESM 138 244300 LNSMPN L 12.0 1
END	
CONTINGENCY '5086_C1_05M FUNK 345-1'	
OPEN BRANCH FROM BUS 242527 TO BUS 242708 CKT 1	/ 242527 05M FUNK 345 242708 05M FUNK 138 1
END	
CONTINGENCY '1385_C1_05M FUNK 345-2'	
OPEN BRANCH FROM BUS 242527 TO BUS 242708 CKT 2	/ 242527 05M FUNK 345 242708 05M FUNK 138 2
END	
CONTINGENCY '7365_C1_05MADDOX 345-1'	
OPEN BRANCH FROM BUS 246929 TO BUS 247537 CKT Z1	/ 246929 05MADDOX 345 247537 S-072 C 345 Z1
END	
CONTINGENCY '7356_C1_05MADDOX 345-2'	
OPEN BRANCH FROM BUS 246930 TO BUS 246929 CKT Z1	/ 246930 05BLUECK 345 246929 05MADDOX 345 Z1
OPEN BRANCH FROM BUS 246930 TO BUS 246931 CKT 1	/ 246930 05BLUECK 345 246931 05BLUECK 115 1
OPEN BRANCH FROM BUS 246932 TO BUS 246931 CKT 1	/ 246932 05BLCKCS 115 246931 05BLUECK 115 1
END	

CONTINGENCY '8010_C1_05MAGLEY 138-1'	
OPEN BRANCH FROM BUS 243237 TO BUS 243334 CKT 1	/ 243237 05ADAM 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 243334 CKT 1	/ 243242 05ALLEN 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243334 TO BUS 246250 CKT 1	/ 243334 05MAGLEY 138 246250 MAGLEY 69.0 1
END	
CONTINGENCY '7224_C1_05MALIS 765-1'	
OPEN BRANCH FROM BUS 242926 TO BUS 242928 CKT 1	/ 242926 05MALIS 765 242928 05MARYSV 765 1
OPEN BRANCH FROM BUS 242926 TO BUS 246751 CKT 1	/ 242926 05MALIS 765 246751 05VASSEL 765 1
OPEN BRANCH FROM BUS 242926 TO BUS 243538 CKT 1	/ 242926 05MALIS 765 243538 05MALISX 138 1
OPEN BRANCH FROM BUS 243537 TO BUS 243538 CKT SR	/ 243537 05MALIS 138 243538 05MALISX 138 SR
OPEN BRANCH FROM BUS 243537 TO BUS 243538 CKT ZB	/ 243537 05MALIS 138 243538 05MALISX 138 ZB
END	
CONTINGENCY '8799_C1_05MARCL8 138-1_WOMOAB'	
OPEN BRANCH FROM BUS 247330 TO BUS 243294 CKT 1	/ 247330 05BRODY8 138 243294 05FLWRFD 138 1
OPEN BRANCH FROM BUS 247330 TO BUS 247329 CKT 1	/ 247330 05BRODY8 138 247329 05STINGER 138 1
OPEN BRANCH FROM BUS 243294 TO BUS 243345 CKT 1	/ 243294 05FLWRFD 138 243345 05MOORPK 138 1
OPEN BRANCH FROM BUS 243294 TO BUS 246565 CKT 1	/ 243294 05FLWRFD 138 246565 FLWRFLD8 12.0 1
END	
CONTINGENCY '8797_C1_05MARCLS 138-1'	
OPEN BRANCH FROM BUS 247330 TO BUS 247329 CKT 1	/ 247330 05BRODY8 138 247329 05STINGER 138 1
OPEN BRANCH FROM BUS 247329 TO BUS 243386 CKT 1	/ 247329 05STINGER 138 243386 05VALLY 138 1
END	
CONTINGENCY '6156_C1_05MARQUI 765-2'	
OPEN BRANCH FROM BUS 242924 TO BUS 242927 CKT 1	/ 242924 05HANG R 765 242927 05MARQUI 765 1
OPEN BRANCH FROM BUS 242927 TO BUS 242938 CKT 1	/ 242927 05MARQUI 765 242938 05MARQUI 345 1
END	
CONTINGENCY '8072_C1_05MARYSV 765-2_WOMOP'	
OPEN BRANCH FROM BUS 242928 TO BUS 242939 CKT 2	/ 242928 05MARYSV 765 242939 05MARYSV 345 2
END	
CONTINGENCY '7789_C1_05MCLUN2 138-2'	
OPEN BRANCH FROM BUS 247043 TO BUS 247042 CKT 1	/ 247043 05BRACKC 138 247042 05MCLUN2 138 1
OPEN BRANCH FROM BUS 247042 TO BUS 244428 CKT 1	/ 247042 05MCLUN2 138 244428 MCCLUNG 69.0 1
END	
CONTINGENCY '6229_C1_05MERIDN 345-1'	
OPEN BRANCH FROM BUS 243783 TO BUS 243228 CKT 1	/ 243783 05EWHTLY 345 243228 05MERIDN 345 1
OPEN BRANCH FROM BUS 243228 TO BUS 243234 CKT 1	/ 243228 05MERIDN 345 243234 05TWIN B 345 1
END	
CONTINGENCY '8528_C1_05MERRIM 138-1'	
OPEN BRANCH FROM BUS 242634 TO BUS 242839 CKT 1	/ 242634 05EDGEMO 138 242839 05VICKER 138 1
OPEN BRANCH FROM BUS 242715 TO BUS 242839 CKT 1	/ 242715 05MERRIM 138 242839 05VICKER 138 1
OPEN BRANCH FROM BUS 242839 TO BUS 244121 CKT Z1	/ 242839 05VICKER 138 244121 VICKER L 12.0 Z1
END	
CONTINGENCY '8530_C1_05MERRIM 138-2'	
OPEN BRANCH FROM BUS 242636 TO BUS 242715 CKT 1	/ 242636 05FALLBR 138 242715 05MERRIM 138 1
END	
CONTINGENCY '7952_C1_05MILLBR 138-1'	
OPEN BRANCH FROM BUS 242988 TO BUS 243042 CKT 1	/ 242988 05DOGWOO 138 243042 05MILLBR 138 1
OPEN BRANCH FROM BUS 243069 TO BUS 243042 CKT 1	/ 243069 05FIREBR 138 243042 05MILLBR 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243047 CKT 1	/ 243042 05MILLBR 138 243047 05N PORT 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243173 CKT 1	/ 243042 05MILLBR 138 243173 MILLBRK 69.0 1
END	
CONTINGENCY '7954_C1_05MILLBR 138-2'	
OPEN BRANCH FROM BUS 243042 TO BUS 243088 CKT 1	/ 243042 05MILLBR 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243102 CKT 1	/ 243042 05MILLBR 138 243102 05SINKG8 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 244922 CKT 1	/ 243042 05MILLBR 138 244922 MILBRK L 12.0 1
END	
CONTINGENCY '8070_C1_05MORGFK 138-1'	
OPEN BRANCH FROM BUS 243671 TO BUS 243698 CKT 1	/ 243671 05BEAVR1 138 243698 05MORGFK 138 1
OPEN BRANCH FROM BUS 243677 TO BUS 243698 CKT 1	/ 243677 05BETSYL 138 243698 05MORGFK 138 1
OPEN BRANCH FROM BUS 243691 TO BUS 243698 CKT 1	/ 243691 05HAYSBR 138 243698 05MORGFK 138 1
OPEN BRANCH FROM BUS 243691 TO BUS 244600 CKT Z1	/ 243691 05HAYSBR 138 244600 KYHYDROL 12.0 Z1

END	
CONTINGENCY '7764_C1_05NEWLIB 138-1'	
OPEN BRANCH FROM BUS 247172 TO BUS 243057 CKT 1	/ 247172 05EBERSO 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 243057 TO BUS 245770 CKT 1	/ 243057 05NEWLIB 138 245770 NEW LIBR 34.5 1
OPEN BRANCH FROM BUS 243057 TO BUS 245770 CKT 2	/ 243057 05NEWLIB 138 245770 NEW LIBR 34.5 2
END	
CONTINGENCY '7742_C1_05NEWLIB 138-2'	
OPEN BRANCH FROM BUS 245808 TO BUS 243057 CKT 4	/ 245808 NEWLIBEQ 999 243057 05NEWLIB 138 4
OPEN BRANCH FROM BUS 245808 TO BUS 245809 CKT 1	/ 245808 NEWLIBEQ 999 245809 NEWLIB 69.0 1
OPEN BRANCH FROM BUS 245808 TO BUS 245807 CKT 1	/ 245808 NEWLIBEQ 999 245807 NEWLIBR2 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243057 CKT 1	/ 242989 05E LIMA 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 243057 TO BUS 245802 CKT Z1	/ 243057 05NEWLIB 138 245802 NEWLIB L 12.0 Z1
END	
CONTINGENCY '7748_C1_05NFINDL 138-1_MOAB'	
OPEN BRANCH FROM BUS 245771 TO BUS 243059 CKT 1	/ 245771 NFIND EQ 999 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 245771 TO BUS 245764 CKT 1	/ 245771 NFIND EQ 999 245764 N FINDLA 69.0 1
OPEN BRANCH FROM BUS 245771 TO BUS 245772 CKT 1	/ 245771 NFIND EQ 999 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245738 TO BUS 245772 CKT 1	/ 245738 DOWCHEM2 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245726 TO BUS 245772 CKT 1	/ 245726 GRIFTHSS 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245772 TO BUS 245791 CKT 1	/ 245772 NFINDLY1 34.5 245791 VANBURN8 34.5 1
END	
CONTINGENCY '7766_C1_05NFINDL 138-2'	
OPEN BRANCH FROM BUS 247172 TO BUS 243059 CKT 1	/ 247172 05EBERSO 138 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 245773 CKT 1	/ 243059 05NFINDL 138 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245737 TO BUS 245773 CKT 1	/ 245737 DOWCHEM1 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245762 TO BUS 245773 CKT 1	/ 245762 N BALTMR 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 247192 TO BUS 245773 CKT 1	/ 247192 NFINDL Z 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245773 TO BUS 245793 CKT 1	/ 245773 NFINDLY2 34.5 245793 W MELROS 34.5 1
END	
CONTINGENCY '8405_C1_05OHIOCT 138-1'	
OPEN BRANCH FROM BUS 243070 TO BUS 245338 CKT 1	/ 243070 05OHIOCT 138 245338 OHIO CTR 69.0 1
OPEN BRANCH FROM BUS 245323 TO BUS 245338 CKT 1	/ 245323 DRESDEN8 69.0 245338 OHIO CTR 69.0 1
END	
CONTINGENCY '8416_C1_05OHIOCT 138-2'	
OPEN BRANCH FROM BUS 243070 TO BUS 243094 CKT 1	/ 243070 05OHIOCT 138 243094 05SCOSHC 138 1
END	
CONTINGENCY '8168_C1_05OLIVE 138-1'	
OPEN BRANCH FROM BUS 243229 TO BUS 243353 CKT 2	/ 243229 05OLIVE 345 243353 05OLIVE 138 2
OPEN BRANCH FROM BUS 243882 TO BUS 243353 CKT 1	/ 243882 05LAPRT3 138 243353 05OLIVE 138 1
END	
CONTINGENCY '7568_C1_05PEMBRT 138-1'	
OPEN BRANCH FROM BUS 244438 TO BUS 242747 CKT 1	/ 244438 PEMBRTEQ 999 242747 05PEMBRT 138 1
OPEN BRANCH FROM BUS 244438 TO BUS 244437 CKT 1	/ 244438 PEMBRTEQ 999 244437 PEMBERTN 46.0 1
OPEN BRANCH FROM BUS 242594 TO BUS 242747 CKT 1	/ 242594 05CHERCK 138 242747 05PEMBRT 138 1
OPEN BRANCH FROM BUS 242747 TO BUS 242818 CKT 1	/ 242747 05PEMBRT 138 242818 05STOTES 138 1
END	
CONTINGENCY '6859_C1_05RANDOL 138-1'	
OPEN BRANCH FROM BUS 246086 TO BUS 243362 CKT 1	/ 246086 RANDOLEQ 999 243362 05RANDOL 138 1
OPEN BRANCH FROM BUS 246086 TO BUS 246087 CKT 1	/ 246086 RANDOLEQ 999 246087 RANDOLPH 69.0 1
OPEN BRANCH FROM BUS 246086 TO BUS 246089 CKT 1	/ 246086 RANDOLEQ 999 246089 RANDOL2L 12.0 1
OPEN BRANCH FROM BUS 243253 TO BUS 243362 CKT 1	/ 243253 05BLUFFP 138 243362 05RANDOL 138 1
OPEN BRANCH FROM BUS 243310 TO BUS 243362 CKT 1	/ 243310 05HODGIN 138 243362 05RANDOL 138 1
OPEN BRANCH FROM BUS 243362 TO BUS 246088 CKT 1	/ 243362 05RANDOL 138 246088 RANDOL1L 12.0 1
OPEN BRANCH FROM BUS 246079 TO BUS 246087 CKT 1	/ 246079 PRICE 69.0 246087 RANDOLPH 69.0 1
END	
CONTINGENCY '5680_C1_05REEDCR 138-1_WOMOAB'	
OPEN BRANCH FROM BUS 244207 TO BUS 242762 CKT 1	/ 244207 REEDYCEQ 999 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 244207 TO BUS 244210 CKT 1	/ 244207 REEDYCEQ 999 244210 REEDYCRK 69.0 1
OPEN BRANCH FROM BUS 244207 TO BUS 244209 CKT 1	/ 244207 REEDYCEQ 999 244209 REEDYCRK 34.5 1
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBKN2 138 1

OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 244205 CKT Z1	/ 242739 05ORBNK2 138 244205 ORBNK1 L 12.0 Z1
OPEN BRANCH FROM BUS 242739 TO BUS 244206 CKT Z1	/ 242739 05ORBNK2 138 244206 ORBNK2 L 12.0 Z1
OPEN BRANCH FROM BUS 242798 TO BUS 244214 CKT 1	/ 242798 05SHORT 138 244214 SHORTH L 12.0 1
OPEN BRANCH FROM BUS 244210 TO BUS 244208 CKT 1	/ 244210 REEDYCRK 69.0 244208 REEDYCR 12.0 1
OPEN BRANCH FROM BUS 244209 TO BUS 244211 CKT 1	/ 244209 REEDYCRK 34.5 244211 REEDYCRZ 34.5 1
END	
CONTINGENCY '5683_C1_05REEDCR 138-1_MOAB'	
OPEN BRANCH FROM BUS 244207 TO BUS 242762 CKT 1	/ 244207 REEDYCEQ 999 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 244207 TO BUS 244210 CKT 1	/ 244207 REEDYCEQ 999 244210 REEDYCRK 69.0 1
OPEN BRANCH FROM BUS 244207 TO BUS 244209 CKT 1	/ 244207 REEDYCEQ 999 244209 REEDYCRK 34.5 1
OPEN BRANCH FROM BUS 242729 TO BUS 242762 CKT 1	/ 242729 05NAGEL 138 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 244210 TO BUS 244208 CKT 1	/ 244210 REEDYCRK 69.0 244208 REEDYCR 12.0 1
OPEN BRANCH FROM BUS 244209 TO BUS 244211 CKT 1	/ 244209 REEDYCRK 34.5 244211 REEDYCRZ 34.5 1
END	
CONTINGENCY '3184_C1_05ROCKPT 765-1'	
OPEN BRANCH FROM BUS 243209 TO BUS 243239 CKT 7	/ 243209 05ROCKPT 765 243239 05AKSTL1 138 7
OPEN BRANCH FROM BUS 243785 TO BUS 243239 CKT 1	/ 243785 05AKSTL 138 243239 05AKSTL1 138 1
END	
CONTINGENCY '3000_C1_05ROCKPT 765-2'	
OPEN BRANCH FROM BUS 243209 TO BUS 243240 CKT 8	/ 243209 05ROCKPT 765 243240 05AKSTL2 138 8
OPEN BRANCH FROM BUS 243785 TO BUS 243240 CKT 1	/ 243785 05AKSTL 138 243240 05AKSTL2 138 1
END	
CONTINGENCY '7829_C1_05S.BLUE 138-1_MOAB'	
OPEN BRANCH FROM BUS 242557 TO BUS 242784 CKT 1	/ 242557 05BLUEF2 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242630 TO BUS 242784 CKT 1	/ 242630 05E.RIVE 138 242784 05S.BLUE 138 1
OPEN BRANCH FROM BUS 242784 TO BUS 244360 CKT 1	/ 242784 05S.BLUE 138 244360 SBLFELD 69.0 1
OPEN BRANCH FROM BUS 242784 TO BUS 244361 CKT 1	/ 242784 05S.BLUE 138 244361 SBLFIELD 12.0 1
OPEN BRANCH FROM BUS 244158 TO BUS 244360 CKT 1	/ 244158 BLAND 69.0 244360 SBLFELD 69.0 1
END	
CONTINGENCY '2798_C1_05S.BTLR 345-1'	
OPEN BRANCH FROM BUS 243214 TO BUS 243784 CKT 1	/ 243214 05COLNGW 345 243784 05S.BTLR 345 1
END	
CONTINGENCY '7410_C1_05S.PRI1 138-1'	
OPEN BRANCH FROM BUS 242630 TO BUS 242786 CKT 1	/ 242630 05E.RIVE 138 242786 05S.PRI1 138 1
OPEN BRANCH FROM BUS 242733 TO BUS 242786 CKT 1	/ 242733 05NEWHOP 138 242786 05S.PRI1 138 1
OPEN BRANCH FROM BUS 242786 TO BUS 242787 CKT Z1	/ 242786 05S.PRI1 138 242787 05S.PRI2 138 Z1
OPEN BRANCH FROM BUS 242786 TO BUS 244365 CKT 1	/ 242786 05S.PRI1 138 244365 SPRINC1L 34.5 1
END	
CONTINGENCY '7407_C1_05S.PRI2 138-2'	
OPEN BRANCH FROM BUS 246898 TO BUS 242787 CKT 1	/ 246898 05HALLSR 138 242787 05S.PRI2 138 1
OPEN BRANCH FROM BUS 242786 TO BUS 242787 CKT Z1	/ 242786 05S.PRI1 138 242787 05S.PRI2 138 Z1
OPEN BRANCH FROM BUS 242787 TO BUS 244371 CKT Z1	/ 242787 05S.PRI2 138 244371 SPRINC2L 34.5 Z1
END	
CONTINGENCY '750_C1_05SCANTO 345-1'	
OPEN BRANCH FROM BUS 242943 TO BUS 243093 CKT 1	/ 242943 05SCANTO 345 243093 05SCANTW 138 1
END	
CONTINGENCY '1918_C1_05SCANTO 345-2'	
OPEN BRANCH FROM BUS 242925 TO BUS 242930 CKT 1	/ 242925 05KAMMER 765 242930 05SCANTO 765 1
OPEN BRANCH FROM BUS 242930 TO BUS 242943 CKT 3	/ 242930 05SCANTO 765 242943 05SCANTO 345 3
OPEN BRANCH FROM BUS 242943 TO BUS 243092 CKT 4	/ 242943 05SCANTO 345 243092 05SCANTE 138 4
END	
CONTINGENCY '8136_C1_05SCIOTO 138-12'	
OPEN BRANCH FROM BUS 247221 TO BUS 243568 CKT 1	/ 247221 05DUPT_N 138 243568 05SCIOTO 138 1
OPEN BRANCH FROM BUS 243568 TO BUS 243569 CKT 1	/ 243568 05SCIOTO 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 247221 TO BUS 246789 CKT 1	/ 247221 05DUPT_N 138 246789 DUPT_N L 13.8 1
OPEN BRANCH FROM BUS 243568 TO BUS 246801 CKT 1	/ 243568 05SCIOTO 138 246801 SCIOTO L 13.2 1
END	
CONTINGENCY '8133_C1_05SCIPPO 138-1'	

OPEN BRANCH FROM BUS 243520 TO BUS 243569 CKT 1	/ 243520 05HARGUS 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 243568 TO BUS 243569 CKT 1	/ 243568 05SCIOTO 138 243569 05SCIPPO 138 1
OPEN BRANCH FROM BUS 243520 TO BUS 246806 CKT Z1	/ 243520 05HARGUS 138 246806 GELAMP 12.5 Z1
END	
CONTINGENCY '8791_C1_05SELWDZ 138-1'	
OPEN BRANCH FROM BUS 243331 TO BUS 246771 CKT 1	/ 243331 05LINWOO 138 246771 05SELWDZ 138 1
OPEN BRANCH FROM BUS 246771 TO BUS 243374 CKT 1	/ 246771 05SELWDZ 138 243374 05SELWOO 138 1
OPEN BRANCH FROM BUS 246771 TO BUS 246988 CKT 1	/ 246771 05SELWDZ 138 246988 05STRWTN 138 1
OPEN BRANCH FROM BUS 243374 TO BUS 245995 CKT 1	/ 243374 05SELWOO 138 245995 S.ELWOOD 34.5 1
OPEN BRANCH FROM BUS 243374 TO BUS 245994 CKT 1	/ 243374 05SELWOO 138 245994 S ELWD L 12.0 1
END	
CONTINGENCY '7376_C1_05SMITHM 138-2'	
OPEN BRANCH FROM BUS 242802 TO BUS 246843 CKT 1	/ 242802 05SMITHM 138 246843 05SMG1 13.8 1
OPEN BRANCH FROM BUS 242802 TO BUS 246847 CKT 5	/ 242802 05SMITHM 138 246847 05SMG5 13.8 5
REMOVE UNIT 1 FROM BUS 246843	/ 246843 05SMG1 13.8
REMOVE UNIT 5 FROM BUS 246847	/ 246847 05SMG5 13.8
END	
CONTINGENCY '8702_C1_05SORENS 345-D2'	
OPEN BRANCH FROM BUS 243218 TO BUS 243232 CKT 2	/ 243218 05DESOTO 345 243232 05SORENS 345 2
END	
CONTINGENCY '6164_C1_05SPORN 345-1'	
OPEN BRANCH FROM BUS 242528 TO BUS 242807 CKT B	/ 242528 05SPORN 345 242807 05SPORN 138 B
OPEN BRANCH FROM BUS 242528 TO BUS 242808 CKT 3	/ 242528 05SPORN 345 242808 05SPORNS 138 3
END	
CONTINGENCY '7892_C1_05SPY RU 138-1'	
OPEN BRANCH FROM BUS 243316 TO BUS 243378 CKT 1	/ 243316 05INDUSP 138 243378 05SPY RU 138 1
OPEN BRANCH FROM BUS 243378 TO BUS 246160 CKT 2	/ 243378 05SPY RU 138 246160 SPY RUN1 34.5 2
OPEN BRANCH FROM BUS 243378 TO BUS 246162 CKT Z1	/ 243378 05SPY RU 138 246162 SPYRUN L 12.0 Z1
OPEN BRANCH FROM BUS 246160 TO BUS 246161 CKT Z1	/ 246160 SPY RUN1 34.5 246161 SPY RUN2 34.5 Z1
END	
CONTINGENCY '7893_C1_05SPY RU 138-2'	
OPEN BRANCH FROM BUS 246993 TO BUS 243378 CKT 1	/ 246993 05PURDUE 138 243378 05SPY RU 138 1
OPEN BRANCH FROM BUS 243378 TO BUS 246161 CKT 3	/ 243378 05SPY RU 138 246161 SPY RUN2 34.5 3
OPEN BRANCH FROM BUS 246113 TO BUS 246161 CKT 1	/ 246113 BASS 34.5 246161 SPY RUN2 34.5 1
OPEN BRANCH FROM BUS 246117 TO BUS 246161 CKT 1	/ 246117 FULTON 34.5 246161 SPY RUN2 34.5 1
OPEN BRANCH FROM BUS 246160 TO BUS 246161 CKT Z1	/ 246160 SPY RUN1 34.5 246161 SPY RUN2 34.5 Z1
OPEN BRANCH FROM BUS 246161 TO BUS 246572 CKT 1	/ 246161 SPY RUN2 34.5 246572 THREEIRV 34.5 1
END	
CONTINGENCY '7649_C1_05STONE 138-1'	
OPEN BRANCH FROM BUS 243805 TO BUS 243701 CKT 1	/ 243805 STONE EQ 999 243701 05STONE 138 1
OPEN BRANCH FROM BUS 243805 TO BUS 244577 CKT 1	/ 243805 STONE EQ 999 244577 STONE 69.0 1
OPEN BRANCH FROM BUS 243805 TO BUS 244576 CKT 1	/ 243805 STONE EQ 999 244576 STONE 46.0 1
OPEN BRANCH FROM BUS 243695 TO BUS 243701 CKT 1	/ 243695 05JOHNSC 138 243701 05STONE 138 1
OPEN BRANCH FROM BUS 242809 TO BUS 243701 CKT 1	/ 242809 05SPRIG1 138 243701 05STONE 138 1
OPEN BRANCH FROM BUS 244577 TO BUS 244578 CKT 1	/ 244577 STONE 69.0 244578 TOMWATKS 69.0 1
OPEN BRANCH FROM BUS 244574 TO BUS 244576 CKT 1	/ 244574 PEGBRTAP 46.0 244576 STONE 46.0 1
END	
CONTINGENCY '8770_C1_05STRWTN 138-1'	
OPEN BRANCH FROM BUS 246988 TO BUS 246989 CKT 1	/ 246988 05STRWTN 138 246989 05WLD CS 138 1
OPEN BRANCH FROM BUS 246988 TO BUS 247118 CKT 1	/ 246988 05STRWTN 138 247118 STRAWTON 34.5 1
OPEN BRANCH FROM BUS 245989 TO BUS 247118 CKT 1	/ 245989 OHIO OIL 34.5 247118 STRAWTON 34.5 1
OPEN BRANCH FROM BUS 245965 TO BUS 247118 CKT 1	/ 245965 S SUMTVL 34.5 247118 STRAWTON 34.5 1
END	
CONTINGENCY '664_C1_05SULLVA 765-1'	
OPEN BRANCH FROM BUS 243210 TO BUS 247065 CKT 1	/ 243210 05SULLVA 765 247065 05SULVN1 345 1
OPEN BRANCH FROM BUS 243213 TO BUS 247065 CKT Z1	/ 243213 05BREED 345 247065 05SULVN1 345 Z1
END	
CONTINGENCY '665_C1_05SULLVA 765-2'	
OPEN BRANCH FROM BUS 243210 TO BUS 247066 CKT 2	/ 243210 05SULLVA 765 247066 05SULVN2 345 2
OPEN BRANCH FROM BUS 243213 TO BUS 247066 CKT Z2	/ 243213 05BREED 345 247066 05SULVN2 345 Z2
END	

CONTINGENCY '7300_C1_05SUNDL1 138-1'

OPEN BRANCH FROM BUS 244477 TO BUS 242554 CKT 1	/ 244477 BIM EQ 999 242554 05BIM 138 1
OPEN BRANCH FROM BUS 244477 TO BUS 244475 CKT 1	/ 244477 BIM EQ 999 244475 BIM 69.0 1
OPEN BRANCH FROM BUS 244477 TO BUS 244474 CKT 1	/ 244477 BIM EQ 999 244474 BIM 46.0 1
OPEN BRANCH FROM BUS 242554 TO BUS 242847 CKT 1	/ 242554 05BIM 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242559 TO BUS 242820 CKT 1	/ 242559 05BOLT Z 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242776 TO BUS 242820 CKT 1	/ 242776 05ROCKHS 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 242820 CKT 1	/ 242799 05SHUMAT 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 242847 CKT 1	/ 242799 05SHUMAT 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242846 TO BUS 242847 CKT 1	/ 242846 05WHARTN 138 242847 05WHARTZ 138 1
OPEN BRANCH FROM BUS 242799 TO BUS 244487 CKT Z1	/ 242799 05SHUMAT 138 244487 SHUMATE 23.0 Z1
OPEN BRANCH FROM BUS 242846 TO BUS 244533 CKT 1	/ 242846 05WHARTN 138 244533 WHARTONL 13.2 1
OPEN BRANCH FROM BUS 244475 TO BUS 244479 CKT 1	/ 244475 BIM 69.0 244479 CHAP 69.0 1
OPEN BRANCH FROM BUS 244475 TO BUS 244504 CKT 1	/ 244475 BIM 69.0 244504 KOHLSAAT 69.0 1

END

CONTINGENCY '7307_C1_05SUNDL2 138-1'

OPEN BRANCH FROM BUS 244529 TO BUS 242821 CKT 1	/ 244529 SUNDILEQ 999 242821 05SUNDL2 138 1
OPEN BRANCH FROM BUS 242696 TO BUS 242821 CKT 1	/ 242696 05KOPPER 138 242821 05SUNDL2 138 1
OPEN BRANCH FROM BUS 242821 TO BUS 242828 CKT 1	/ 242821 05SUNDL2 138 242828 05TENMIL 138 1

END

CONTINGENCY '8426_C1_05TAZEWE 138-'

OPEN BRANCH FROM BUS 244313 TO BUS 242827 CKT 1	/ 244313 TAZEWELEQ 999 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 244313 TO BUS 244311 CKT 1	/ 244313 TAZEWELEQ 999 244311 TAZEWELE 69.0 1
OPEN BRANCH FROM BUS 244313 TO BUS 244310 CKT 1	/ 244313 TAZEWELEQ 999 244310 TAZEWELE 34.5 1
OPEN BRANCH FROM BUS 242571 TO BUS 242827 CKT 1	/ 242571 05BUCKHO 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242581 TO BUS 242582 CKT 1	/ 242581 05CARSWE 138 242582 05CARWLZ 138 1
OPEN BRANCH FROM BUS 242582 TO BUS 247008 CKT 1	/ 242582 05CARWLZ 138 247008 05CLARKB 138 1
OPEN BRANCH FROM BUS 242582 TO BUS 242833 CKT 1	/ 242582 05CARWLZ 138 242833 05TRAILF 138 1
OPEN BRANCH FROM BUS 247008 TO BUS 247029 CKT 1	/ 247008 05CLARKB 138 247029 05HORSPN 138 1
OPEN BRANCH FROM BUS 247008 TO BUS 247009 CKT Z1	/ 247008 05CLARKB 138 247009 05KEYSTO 138 Z1
OPEN BRANCH FROM BUS 247150 TO BUS 242827 CKT 1	/ 247150 05FARDAY 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 247029 TO BUS 242827 CKT 1	/ 247029 05HORSPN 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242788 TO BUS 242827 CKT 1	/ 242788 05SALTV1 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 247029 TO BUS 247030 CKT Z1	/ 247029 05HORSPN 138 247030 JUSTCO L 34.5 Z1
OPEN BRANCH FROM BUS 242581 TO BUS 247184 CKT Z1	/ 242581 05CARSWE 138 247184 CARSWE L 12.0 Z1
OPEN BRANCH FROM BUS 247009 TO BUS 247031 CKT Z1	/ 247009 05KEYSTO 138 247031 KEYSTO L 12.0 Z1
OPEN BRANCH FROM BUS 242827 TO BUS 244312 CKT 1	/ 242827 05TAZEWE 138 244312 TAZEWE L 12.0 1

END

CONTINGENCY '8442_C1_05TAZEWE 138-'

OPEN BRANCH FROM BUS 247150 TO BUS 242827 CKT 1	/ 247150 05FARDAY 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242788 TO BUS 242827 CKT 1	/ 242788 05SALTV1 138 242827 05TAZEWE 138 1
OPEN BRANCH FROM BUS 242827 TO BUS 244312 CKT 1	/ 242827 05TAZEWE 138 244312 TAZEWE L 12.0 1

END

CONTINGENCY '8520_C1_05TECHDR 138-1_WOMOAB'

OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 243874 CKT 1	/ 242708 05M FUNK 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 244118 CKT 1	/ 242791 05SCHRIS 138 244118 SCHRISTB 69.0 1
OPEN BRANCH FROM BUS 242791 TO BUS 244117 CKT 1	/ 242791 05SCHRIS 138 244117 SCHRIS L 12.0 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1

END

CONTINGENCY '8521_C1_05TECHDR 138-1_MOAB'

OPEN BRANCH FROM BUS 242708 TO BUS 243874 CKT 1	/ 242708 05M FUNK 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1

END

CONTINGENCY '7369_C1_05TIMBSS 138-1'

OPEN BRANCH FROM BUS 246951 TO BUS 246950 CKT Z1	/ 246951 05TIMBCS 138 246950 05TIMBSS 138 Z1
OPEN BRANCH FROM BUS 246951 TO BUS 246952 CKT 1	/ 246951 05TIMBCS 138 246952 05TIMBCS 34.5 1

END

CONTINGENCY '7785_C1_05TOW117 138-1'

OPEN BRANCH FROM BUS 247043 TO BUS 247044 CKT 1	/ 247043 05BRACKC 138 247044 05TOW117 138 1
OPEN BRANCH FROM BUS 247045 TO BUS 247044 CKT 1	/ 247045 05CLARMO 138 247044 05TOW117 138 1
OPEN BRANCH FROM BUS 247044 TO BUS 244453 CKT 1	/ 247044 05TOW117 138 244453 TOWER117 69.0 1
OPEN BRANCH FROM BUS 244372 TO BUS 244435 CKT 1	/ 244372 BROOKLYN 69.0 244435 OAK HILL 69.0 1
OPEN BRANCH FROM BUS 244372 TO BUS 244453 CKT 1	/ 244372 BROOKLYN 69.0 244453 TOWER117 69.0 1
OPEN BRANCH FROM BUS 244383 TO BUS 244453 CKT 1	/ 244383 ELMO SS 69.0 244453 TOWER117 69.0 1
OPEN BRANCH FROM BUS 244443 TO BUS 246897 CKT 1	/ 244443 MEADOWRV 69.0 246897 MOUNTNEB 69.0 1
OPEN BRANCH FROM BUS 246897 TO BUS 244467 CKT 1	/ 246897 MOUNTNEB 69.0 244467 SUMMERVL 69.0 1
OPEN BRANCH FROM BUS 246897 TO BUS 244453 CKT 1	/ 246897 MOUNTNEB 69.0 244453 TOWER117 69.0 1
END	
CONTINGENCY '1384_C1_05TRISTA 345-2'	
OPEN BRANCH FROM BUS 242523 TO BUS 242529 CKT 1	/ 242523 05BAKER 345 242529 05TRISTA 345 1
OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 2	/ 242529 05TRISTA 345 242835 05TRISTA 138 2
OPEN BRANCH FROM BUS 242529 TO BUS 242835 CKT 3	/ 242529 05TRISTA 345 242835 05TRISTA 138 3
END	
CONTINGENCY '8293_C1_05TWIN B 138-1'	
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1	/ 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243304 TO BUS 243385 CKT 1	/ 243304 05GUARDN 138 243385 05TWIN B 138 1
END	
CONTINGENCY '8294_C1_05TWIN B 138-2'	
OPEN BRANCH FROM BUS 243517 TO BUS 243385 CKT 1	/ 243517 05CAP AV 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243301 TO BUS 243385 CKT 1	/ 243301 05GRANGE 138 243385 05TWIN B 138 1
END	
CONTINGENCY '7165_C1_05VACITY 138-1'	
OPEN BRANCH FROM BUS 242605 TO BUS 246894 CKT 1	/ 242605 05CLNCHR 138 246894 05VACITY 138 1
OPEN BRANCH FROM BUS 242605 TO BUS 246894 CKT 2	/ 242605 05CLNCHR 138 246894 05VACITY 138 2
OPEN BRANCH FROM BUS 246894 TO BUS 246895 CKT 1	/ 246894 05VACITY 138 246895 05VACITY 23.0 1
REMOVE UNIT 1 FROM BUS 246895	/ 246895 05VACITY 23.0
END	
CONTINGENCY '8795_C1_05VALLY 138-1'	
OPEN BRANCH FROM BUS 243204 TO BUS 243386 CKT 1	/ 243204 VALLEYEQ 999 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243204 TO BUS 246551 CKT 1	/ 243204 VALLEYEQ 999 246551 VALLEY 69.0 1
OPEN BRANCH FROM BUS 243204 TO BUS 246550 CKT 1	/ 243204 VALLEYEQ 999 246550 VALLEY 34.5 1
OPEN BRANCH FROM BUS 243261 TO BUS 243386 CKT 1	/ 243261 05COLBY 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243307 TO BUS 243386 CKT 1	/ 243307 05HARTFO 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 247329 TO BUS 243386 CKT 1	/ 247329 05STINGER 138 243386 05VALLY 138 1
OPEN BRANCH FROM BUS 243386 TO BUS 247547 CKT Z1	/ 243386 05VALLY 138 247547 V4-016 C 138 Z1
OPEN BRANCH FROM BUS 247547 TO BUS 247939 CKT 1	/ 247547 V4-016 C 138 247939 V4-016 E 138 1
REMOVE UNIT 1C FROM BUS 247547	/ 247547 V4-016 C 138
REMOVE UNIT 1E FROM BUS 247939	/ 247939 V4-016 E 138
OPEN BRANCH FROM BUS 246509 TO BUS 246551 CKT 1	/ 246509 CAMERON 69.0 246551 VALLEY 69.0 1
END	
CONTINGENCY '7219_C1_05VASSEL 138-1'	
OPEN BRANCH FROM BUS 246752 TO BUS 246753 CKT 1	/ 246752 05VASSEL 345 246753 05VASSEL 138 1
END	
CONTINGENCY '7218_C1_05VASSEL 765-1'	
OPEN BRANCH FROM BUS 246751 TO BUS 246752 CKT 1	/ 246751 05VASSEL 765 246752 05VASSEL 345 1
END	
CONTINGENCY '5610_C1_05WALLEN 138-1'	
OPEN BRANCH FROM BUS 246116 TO BUS 243389 CKT 2	/ 246116 WALLENEQ 999 243389 05WALLEN 138 2
OPEN BRANCH FROM BUS 246116 TO BUS 246118 CKT 1	/ 246116 WALLENEQ 999 246118 WALLEN 69.0 1
OPEN BRANCH FROM BUS 246116 TO BUS 246165 CKT 1	/ 246116 WALLENEQ 999 246165 WALLEN 34.5 1
OPEN BRANCH FROM BUS 243381 TO BUS 243389 CKT 1	/ 243381 05SUMMIT 138 243389 05WALLEN 138 1
OPEN BRANCH FROM BUS 243389 TO BUS 246130 CKT Z1	/ 243389 05WALLEN 138 246130 WALLEN 12.0 Z1
END	
CONTINGENCY '7699_C1_05WARERD 138-1'	
OPEN BRANCH FROM BUS 243464 TO BUS 246942 CKT 1	/ 243464 05ADAMS 138 246942 05WARERD 138 1
OPEN BRANCH FROM BUS 246942 TO BUS 243585 CKT 1	/ 246942 05WARERD 138 243585 05WAVERL 138 1
OPEN BRANCH FROM BUS 246942 TO BUS 246987 CKT Z1	/ 246942 05WARERD 138 246987 WARE RD8 69.0 Z1
END	
CONTINGENCY '7440_C1_05WAYMSS 138-1'	

OPEN BRANCH FROM BUS 247128 TO BUS 247002 CKT 1	/ 247128 05ASTNSS 138 247002 05WAYMSS 138 1
OPEN BRANCH FROM BUS 247003 TO BUS 247165 CKT 1	/ 247003 05GOSHSS 138 247165 05SRUNSS 138 1
OPEN BRANCH FROM BUS 246927 TO BUS 247002 CKT 1	/ 246927 05SAND H 138 247002 05WAYMSS 138 1
OPEN BRANCH FROM BUS 247165 TO BUS 247002 CKT 1	/ 247165 05SRUNSS 138 247002 05WAYMSS 138 1
END	
CONTINGENCY '1282_C1_05WBELLA 345-2'	
OPEN BRANCH FROM BUS 242948 TO BUS 243143 CKT 1	/ 242948 05WBELLA 345 243143 05WBELLA 138 1
END	
CONTINGENCY '8645_C1_05WESTST 138-'	
OPEN BRANCH FROM BUS 243396 TO BUS 247604 CKT Z1	/ 243396 05WESTST 138 247604 X1-042 12.0 Z1
REMOVE UNIT 1 FROM BUS 247604	/ 247604 X1-042 12.0
END	
CONTINGENCY '8038_C1_05WKINGP 138-1_MOAB'	
OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1	/ 244218 WKINGSEQ 999 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1	/ 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1	/ 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1	/ 242849 05WKINGP 138 244217 WKINGS L 34.5 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1	/ 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRV L 13.8
END	
CONTINGENCY '8035_C1_05WKINGP 138-1_WOMOAB'	
OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1	/ 244218 WKINGSEQ 999 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1	/ 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1	/ 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1	/ 242849 05WKINGP 138 244217 WKINGS L 34.5 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
OPEN BRANCH FROM BUS 242678 TO BUS 244198 CKT 1	/ 242678 05INDIAS 138 244198 INDSPL L 12.0 1
OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1	/ 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRV L 13.8
END	
CONTINGENCY '7990_C1_05WLDCAT 138-1'	
OPEN BRANCH FROM BUS 247034 TO BUS 246946 CKT 1	/ 247034 05EMERSS 138 246946 05WLDCAT 138 1
OPEN BRANCH FROM BUS 243019 TO BUS 246946 CKT 1	/ 243019 05HILLSB 138 246946 05WLDCAT 138 1
OPEN BRANCH FROM BUS 246946 TO BUS 247068 CKT Z1	/ 246946 05WLDCAT 138 247068 WILDCAT L 12.0 Z1
END	
CONTINGENCY '1283_C1_05WMILLP 345-1'	
OPEN BRANCH FROM BUS 242949 TO BUS 243150 CKT 1	/ 242949 05WMILLP 345 243150 05WMILLP 138 1
END	
CONTINGENCY '2753_C1_05WMILLP 345-2'	
OPEN BRANCH FROM BUS 242949 TO BUS 243150 CKT 2	/ 242949 05WMILLP 345 243150 05WMILLP 138 2
END	
CONTINGENCY '7595_C1_05WYTHE1 138-1'	
OPEN BRANCH FROM BUS 244179 TO BUS 242858 CKT 1	/ 244179 WYTHE1EQ 999 242858 05WYTHE1 138 1
OPEN BRANCH FROM BUS 244179 TO BUS 244176 CKT 1	/ 244179 WYTHE1EQ 999 244176 WYTHE 1 69.0 1
OPEN BRANCH FROM BUS 244179 TO BUS 244175 CKT 1	/ 244179 WYTHE1EQ 999 244175 WYTHE 1 34.5 1
OPEN BRANCH FROM BUS 242684 TO BUS 242760 CKT 1	/ 242684 05J.FERR 138 242760 05PROGPK 138 1
OPEN BRANCH FROM BUS 242760 TO BUS 242858 CKT 1	/ 242760 05PROGPK 138 242858 05WYTHE1 138 1
OPEN BRANCH FROM BUS 242858 TO BUS 242859 CKT Z1	/ 242858 05WYTHE1 138 242859 05WYTHE2 138 Z1
OPEN BRANCH FROM BUS 242858 TO BUS 244174 CKT 1	/ 242858 05WYTHE1 138 244174 WYTHE L 34.5 1
OPEN BRANCH FROM BUS 244158 TO BUS 244176 CKT 1	/ 244158 BLAND 69.0 244176 WYTHE 1 69.0 1
OPEN BRANCH FROM BUS 244162 TO BUS 244176 CKT 1	/ 244162 BYLLESBY 69.0 244176 WYTHE 1 69.0 1

```

OPEN BRANCH FROM BUS 244164 TO BUS 244176 CKT 1      / 244164 CLIFFVIE 69.0 244176 WYTHE 1 69.0 1
OPEN BRANCH FROM BUS 244172 TO BUS 244175 CKT 1      / 244172 LEEHIGHW 34.5 244175 WYTHE 1 34.5 1
END
CONTINGENCY '7600_C1_05WYTHE2 138-2'
OPEN BRANCH FROM BUS 242543 TO BUS 242859 CKT 1      / 242543 05AUSTIN 138 242859 05WYTHE2 138 1
OPEN BRANCH FROM BUS 242684 TO BUS 242859 CKT 1      / 242684 05J.FERR 138 242859 05WYTHE2 138 1
OPEN BRANCH FROM BUS 242725 TO BUS 242859 CKT 1      / 242725 05MTAIRY 138 242859 05WYTHE2 138 1
OPEN BRANCH FROM BUS 242858 TO BUS 242859 CKT Z1      / 242858 05WYTHE1 138 242859 05WYTHE2 138 Z1
END
CONTINGENCY '8098_C1_05YELLWC 138-1'
OPEN BRANCH FROM BUS 243080 TO BUS 247000 CKT 1      / 243080 05RILEYC 138 247000 05YELLWC 138 1
END
CONTINGENCY '8433_C1_05YUKON 138-'
OPEN BRANCH FROM BUS 247153 TO BUS 247151 CKT 1      / 247153 05BERWIN 138 247151 05YUKON 138 1
OPEN BRANCH FROM BUS 242682 TO BUS 247151 CKT 1      / 242682 05J.BRAN 138 247151 05YUKON 138 1
OPEN BRANCH FROM BUS 247151 TO BUS 247162 CKT Z1      / 247151 05YUKON 138 247162 YUKON 34.5 Z1
END
CONTINGENCY '2809_C1_20FOOTHL 345-'
OPEN BRANCH FROM BUS 242523 TO BUS 270000 CKT 1      / 242523 05BAKER 345 270000 05FOOTHL 345 1
REMOVE UNIT 1 FROM BUS 270000                        / 270000 05FOOTHL 345
REMOVE UNIT 2 FROM BUS 270000                        / 270000 05FOOTHL 345
END
CONTINGENCY '2810_C1_20ZELDA 345-'
OPEN BRANCH FROM BUS 242523 TO BUS 270001 CKT 1      / 242523 05BAKER 345 270001 05ZELDA 345 1
REMOVE UNIT 1 FROM BUS 270001                        / 270001 05ZELDA 345
REMOVE UNIT 2 FROM BUS 270001                        / 270001 05ZELDA 345
REMOVE UNIT 3 FROM BUS 270001                        / 270001 05ZELDA 345
END
CONTINGENCY '8729_C1_ENGLNDHL 69.0-1'
OPEN BRANCH FROM BUS 244664 TO BUS 244667 CKT 1      / 244664 ASFISS 69.0 244667 ENGLNDHL 69.0 1
OPEN BRANCH FROM BUS 243713 TO BUS 244667 CKT 1      / 243713 CHADWICK 69.0 244667 ENGLNDHL 69.0 1
OPEN BRANCH FROM BUS 244667 TO BUS 244907 CKT 1      / 244667 ENGLNDHL 69.0 244907 MAP-EVAN 69.0 1
END
CONTINGENCY '8730_C1_LEACH 69.0-1'
OPEN BRANCH FROM BUS 243713 TO BUS 244673 CKT 1      / 243713 CHADWICK 69.0 244673 LEACH 69.0 1
OPEN BRANCH FROM BUS 244673 TO BUS 244909 CKT 1      / 244673 LEACH 69.0 244909 MAP1MAIN 69.0 1
OPEN BRANCH FROM BUS 244673 TO BUS 244733 CKT 1      / 244673 LEACH 69.0 244733 MILLERTP 69.0 1
OPEN BRANCH FROM BUS 244733 TO BUS 244727 CKT 1      / 244733 MILLERTP 69.0 244727 S.NEAL 69.0 1
OPEN BRANCH FROM BUS 244733 TO BUS 244734 CKT 1      / 244733 MILLERTP 69.0 244734 UNFUEL 69.0 1
END
/*=====AEP TIES=====
CONTINGENCY '5119_C1_05CANTNC 138-1'
OPEN BRANCH FROM BUS 239237 TO BUS 242980 CKT 1      / 239237 02CLVR-S 138 242980 05CANTNC 138 1
END
CONTINGENCY '5118_C1_05CANTNC 138-2'
OPEN BRANCH FROM BUS 238575 TO BUS 242980 CKT 1      / 238575 02BLUBEL 138 242980 05CANTNC 138 1
END
CONTINGENCY '6817_C1_05E.LPSC 138-2'
OPEN BRANCH FROM BUS 239269 TO BUS 242993 CKT 1      / 239269 02RICHLJ 138 242993 05E.LPSC 138 1
OPEN BRANCH FROM BUS 242993 TO BUS 245792 CKT 1      / 242993 05E.LPSC 138 245792 E.LEIPSC 69.0 1
OPEN BRANCH FROM BUS 242993 TO BUS 245799 CKT 1      / 242993 05E.LPSC 138 245799 05ELEIPL 13.0 1
END
CONTINGENCY '7118_C1_05HOWARD 138-1'
OPEN BRANCH FROM BUS 238586 TO BUS 243024 CKT 1      / 238586 02BRKSID 138 243024 05HOWARD 138 1
OPEN BRANCH FROM BUS 242984 TO BUS 243024 CKT 1      / 242984 05CHATFL 138 243024 05HOWARD 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243050 CKT 1      / 243024 05HOWARD 138 243050 05NBELVL 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243100 CKT 1      / 243024 05HOWARD 138 243100 05SHELGH 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 247542 CKT Z1      / 243024 05HOWARD 138 247542 U4-001 C 138 Z1
OPEN BRANCH FROM BUS 247542 TO BUS 247934 CKT 1      / 247542 U4-001 C 138 247934 U4-001 E 138 1
REMOVE UNIT 1C FROM BUS 247542                      / 247542 U4-001 C 138
REMOVE UNIT 1E FROM BUS 247934                      / 247934 U4-001 E 138

```

END
CONTINGENCY '6355_C1_05HYATT 345-1_WOMOAB'
OPEN BRANCH FROM BUS 239133 TO BUS 243458 CKT 1 / 239133 02TANGY 345 243458 05HYATT 345 1
END
CONTINGENCY '6146_C1_05MARYSV 345-1'
OPEN BRANCH FROM BUS 239133 TO BUS 242939 CKT 1 / 239133 02TANGY 345 242939 05MARYSV 345 1
END
CONTINGENCY '1375_C1'
OPEN BRANCH FROM BUS 242511 TO BUS 242518 CKT 4 / 242511 05BROADF 765 242518 05BROADF 500 4
OPEN BRANCH FROM BUS 242518 TO BUS 360106 CKT 1 / 242518 05BROADF 500 360106 8SULLIVAN TN 500 1
END
CONTINGENCY '7932_C1_05ALBION 138-1'
OPEN BRANCH FROM BUS 246180 TO BUS 243241 CKT 1 / 246180 ALBIONEQ 999 243241 05ALBION 138 1
OPEN BRANCH FROM BUS 246180 TO BUS 246179 CKT 1 / 246180 ALBIONEQ 999 246179 ALBION- 69.0 1
OPEN BRANCH FROM BUS 246180 TO BUS 246178 CKT 1 / 246180 ALBIONEQ 999 246178 ALBION 34.5 1
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1 / 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243241 TO BUS 243288 CKT 1 / 243241 05ALBION 138 243288 05EGE 138 1
OPEN BRANCH FROM BUS 243241 TO BUS 243375 CKT 1 / 243241 05ALBION 138 243375 05SKINNRR 138 1
OPEN BRANCH FROM BUS 243241 TO BUS 255164 CKT 1 / 243241 05ALBION 138 255164 17NORTHPORT 138 1
OPEN BRANCH FROM BUS 246179 TO BUS 246226 CKT 1 / 246179 ALBION- 69.0 246226 ALBION Z 69.0 1
END
CONTINGENCY '7919_C1_05AUBURN 138-1'
OPEN BRANCH FROM BUS 243246 TO BUS 243247 CKT 1 / 243246 05AUBUNC 138 243247 05AUBURN 138 1
OPEN BRANCH FROM BUS 243247 TO BUS 243267 CKT 1 / 243247 05AUBURN 138 243267 05COUNTY 138 1
OPEN BRANCH FROM BUS 243247 TO BUS 243397 CKT 2 / 243247 05AUBURN 138 243397 05WILMGZ 138 2
OPEN BRANCH FROM BUS 243247 TO BUS 255125 CKT 1 / 243247 05AUBURN 138 255125 17DEKALB 138 1
OPEN BRANCH FROM BUS 243247 TO BUS 246175 CKT 1 / 243247 05AUBURN 138 246175 ABRNCTY1 69.0 1
OPEN BRANCH FROM BUS 243247 TO BUS 246182 CKT 2 / 243247 05AUBURN 138 246182 AUBURN 69.0 2
END
CONTINGENCY '6923_C1_05COLLCO 138-1'
OPEN BRANCH FROM BUS 243262 TO BUS 243282 CKT 1 / 243262 05COLLCO 138 243282 05DREWER 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 243364 CKT 1 / 243262 05COLLCO 138 243364 05RICHMO 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 250001 CKT 1 / 243262 05COLLCO 138 250001 08COLINV 138 1
END
CONTINGENCY '6924_C1_05COLLCO 138-2'
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1 / 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 243310 CKT 1 / 243262 05COLLCO 138 243310 05HODGIN 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 246963 CKT 1 / 243262 05COLLCO 138 246963 05WESLEZ 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 250106 CKT 1 / 243262 05COLLCO 138 250106 08TODHJT 138 1
END
CONTINGENCY '24_C1_05COLNGW 345-1_WOMOAB'
OPEN BRANCH FROM BUS 243214 TO BUS 243231 CKT 1 / 243214 05COLNGW 345 243231 05ROB PK 345 1
OPEN BRANCH FROM BUS 243214 TO BUS 243784 CKT 1 / 243214 05COLNGW 345 243784 05S.BTLR 345 1
OPEN BRANCH FROM BUS 243214 TO BUS 255105 CKT 1 / 243214 05COLNGW 345 255105 17HIPLE 345 1
END
CONTINGENCY '48_C1_05CORRID 345-S'
OPEN BRANCH FROM BUS 243456 TO BUS 243462 CKT 1 / 243456 05CORRID 345 243462 05CORRBR 242 1
OPEN BRANCH FROM BUS 243456 TO BUS 243491 CKT 1 / 243456 05CORRID 345 243491 05CORRID 138 1
OPEN BRANCH FROM BUS 243462 TO BUS 243491 CKT 1 / 243462 05CORRBR 242 243491 05CORRID 138 1
END
CONTINGENCY '30_C1_05FALL C 345-2'
OPEN BRANCH FROM BUS 243218 TO BUS 243222 CKT 1 / 243218 05DESOTO 345 243222 05FALL C 345 1
OPEN BRANCH FROM BUS 243222 TO BUS 254535 CKT 1 / 243222 05FALL C 345 254535 16SUNNYS 345 1
END
CONTINGENCY '6990_C1_05GRNTWN 765-1'
OPEN BRANCH FROM BUS 243207 TO BUS 249742 CKT 1 / 243207 05GRNTWN 765 249742 08GRTOWN 138 1
OPEN BRANCH FROM BUS 243312 TO BUS 249742 CKT 1 / 243312 05HUMMEL 138 249742 08GRTOWN 138 1
OPEN BRANCH FROM BUS 249742 TO BUS 247523 CKT Z1 / 249742 08GRTOWN 138 247523 U4-039 C 138 Z1
OPEN BRANCH FROM BUS 247523 TO BUS 247927 CKT 1 / 247523 U4-039 C 138 247927 U4-039 E 138 1
REMOVE UNIT 1C FROM BUS 247523 / 247523 U4-039 C 138
REMOVE UNIT 1E FROM BUS 247927 / 247927 U4-039 E 138


```

END
CONTINGENCY '1377_C1_05J.FERR 765-2_WOMOP'
  OPEN BRANCH FROM BUS 242514 TO BUS 242520 CKT 1      / 242514 05J.FERR 765 242520 05J.FERR 500 1
  OPEN BRANCH FROM BUS 242520 TO BUS 306719 CKT 1      / 242520 05J.FERR 500 306719 8ANTIOCH 500 1
END
CONTINGENCY '702_C1_05JEFRSO 765-1'
  OPEN BRANCH FROM BUS 243208 TO BUS 242865 CKT 1      / 243208 05JEFRSO 765 242865 05JEFRSO 345 1
  OPEN BRANCH FROM BUS 242865 TO BUS 248000 CKT Z1     / 242865 05JEFRSO 345 248000 06CLIFTY 345 Z1
END
CONTINGENCY '7262_C1_05LAPRT2 138-2'
  OPEN BRANCH FROM BUS 246336 TO BUS 243881 CKT 1      / 246336 LAPORTEQ 999 243881 05LAPRT2 138 1
  OPEN BRANCH FROM BUS 246336 TO BUS 246335 CKT 1      / 246336 LAPORTEQ 999 246335 LAPORTE 69.0 1
  OPEN BRANCH FROM BUS 246336 TO BUS 246337 CKT 1      / 246336 LAPORTEQ 999 246337 LAPRTEJC 34.5 1
  OPEN BRANCH FROM BUS 243881 TO BUS 243882 CKT Z1     / 243881 05LAPRT2 138 243882 05LAPRT3 138 Z1
  OPEN BRANCH FROM BUS 243881 TO BUS 255153 CKT 1      / 243881 05LAPRT2 138 255153 17MICH_CITY 138 1
  OPEN BRANCH FROM BUS 246335 TO BUS 246472 CKT 1      / 246335 LAPORTE 69.0 246472 N.BUFFAL 69.0 1
  OPEN BRANCH FROM BUS 246335 TO BUS 246359 CKT 1      / 246335 LAPORTE 69.0 246359 SPRINGVL 69.0 1
  OPEN BRANCH FROM BUS 246358 TO BUS 246359 CKT 1      / 246358 SPRINGVI 69.0 246359 SPRINGVL 69.0 1
  OPEN BRANCH FROM BUS 246337 TO BUS 246350 CKT 1      / 246337 LAPRTEJC 34.5 246350 ROLLINGP 34.5 1
END
CONTINGENCY '6150_C1_05MARQUI 345-1'
  OPEN BRANCH FROM BUS 242938 TO BUS 248005 CKT 1      / 242938 05MARQUI 345 248005 06KYGER 345 1
  OPEN BRANCH FROM BUS 242938 TO BUS 243034 CKT 2      / 242938 05MARQUI 345 243034 05MARQUI 138 2
END
CONTINGENCY '6151_C1_05MARQUI 345-2'
  OPEN BRANCH FROM BUS 242938 TO BUS 248003 CKT 1      / 242938 05MARQUI 345 248003 06DOE530 345 1
  OPEN BRANCH FROM BUS 242938 TO BUS 243034 CKT 3      / 242938 05MARQUI 345 243034 05MARQUI 138 3
END
CONTINGENCY '7389_C1_05THELMA 138-2_WOMOAB'
  OPEN BRANCH FROM BUS 243669 TO BUS 243678 CKT SR     / 243669 05B SAND 138 243678 05BSANDX 138 SR
  OPEN BRANCH FROM BUS 243669 TO BUS 243678 CKT ZB     / 243669 05B SAND 138 243678 05BSANDX 138 ZB
  OPEN BRANCH FROM BUS 243678 TO BUS 243679 CKT 1      / 243678 05BSANDX 138 243679 05BUSSYV 138 1
  OPEN BRANCH FROM BUS 243679 TO BUS 243702 CKT 1      / 243679 05BUSSYV 138 243702 05THELMA 138 1
  OPEN BRANCH FROM BUS 243702 TO BUS 246971 CKT 1      / 243702 05THELMA 138 246971 05THELM2 69.0 1
  OPEN BRANCH FROM BUS 243679 TO BUS 244663 CKT Z1     / 243679 05BUSSYV 138 244663 BUSEYV L 34.5 Z1
  OPEN BRANCH FROM BUS 246971 TO BUS 342343 CKT 1      / 246971 05THELM2 69.0 342343 2THELMA 69.0 1
  OPEN BRANCH FROM BUS 246971 TO BUS 246970 CKT 1      / 246971 05THELM2 69.0 246970 MAYOTRL 69.0 1
END
CONTINGENCY '7945_C1_05THELMA 138-2_MOAB'
  OPEN BRANCH FROM BUS 243679 TO BUS 243702 CKT 1      / 243679 05BUSSYV 138 243702 05THELMA 138 1
  OPEN BRANCH FROM BUS 243702 TO BUS 246971 CKT 1      / 243702 05THELMA 138 246971 05THELM2 69.0 1
  OPEN BRANCH FROM BUS 246971 TO BUS 342343 CKT 1      / 246971 05THELM2 69.0 342343 2THELMA 69.0 1
  OPEN BRANCH FROM BUS 246971 TO BUS 246970 CKT 1      / 246971 05THELM2 69.0 246970 MAYOTRL 69.0 1
END
/*=====OVEC TIES=====
CONTINGENCY '2811_C1_05TANNER 345-1'
  OPEN BRANCH FROM BUS 243233 TO BUS 248001 CKT Z1     / 243233 05TANNER 345 248001 06DEARB1 345 Z1
  OPEN BRANCH FROM BUS 243233 TO BUS 249565 CKT 1      / 243233 05TANNER 345 249565 08EBEND 345 1
  OPEN BRANCH FROM BUS 248000 TO BUS 248001 CKT 1      / 248000 06CLIFTY 345 248001 06DEARB1 345 1
  OPEN BRANCH FROM BUS 248001 TO BUS 248013 CKT 1      / 248001 06DEARB1 345 248013 06PIERCE 345 1
END
CONTINGENCY '247_C1_06CLIFTY 138-1'
  OPEN BRANCH FROM BUS 248000 TO BUS 248008 CKT 1A     / 248000 06CLIFTY 345 248008 06CLIFTX 138 1A
  OPEN BRANCH FROM BUS 248000 TO BUS 248008 CKT 1B     / 248000 06CLIFTY 345 248008 06CLIFTX 138 1B
  OPEN BRANCH FROM BUS 248008 TO BUS 248009 CKT SR     / 248008 06CLIFTX 138 248009 06CLIFTY 138 SR
  OPEN BRANCH FROM BUS 248008 TO BUS 248009 CKT ZB     / 248008 06CLIFTX 138 248009 06CLIFTY 138 ZB
  OPEN BRANCH FROM BUS 248009 TO BUS 250057 CKT 1      / 248009 06CLIFTY 138 250057 08M.FORT 138 1
  OPEN BRANCH FROM BUS 248009 TO BUS 324227 CKT 1      / 248009 06CLIFTY 138 324227 4CARROLT 138 1
  OPEN BRANCH FROM BUS 248009 TO BUS 324289 CKT 1      / 248009 06CLIFTY 138 324289 4NORTHSD 138 1
END
CONTINGENCY '3075_C1_06DEARB2 345-2'

```

```

OPEN BRANCH FROM BUS 248000 TO BUS 248002 CKT 2      / 248000 06CLIFTY 345 248002 06DEARB2 345 2
OPEN BRANCH FROM BUS 248002 TO BUS 249564 CKT 1      / 248002 06DEARB2 345 249564 08BUFTN1 345 1
END
/*=====DAY=====
CONTINGENCY '2736_C1'
OPEN BRANCH FROM BUS 253006 TO BUS 253047 CKT 1      / 253006 09BATH 345 253047 09MIAMI 345 1
OPEN BRANCH FROM BUS 253047 TO BUS 253069 CKT 1      / 253047 09MIAMI 345 253069 09SHELBY 345 1
OPEN BRANCH FROM BUS 253047 TO BUS 253090 CKT 1      / 253047 09MIAMI 345 253090 09WMILT 345 1
OPEN BRANCH FROM BUS 253047 TO BUS 253046 CKT 1      / 253047 09MIAMI 345 253046 09MIAMI 138 1
END
/*=====DAY TIES=====
CONTINGENCY '8106_C1_05HILLSB 138-1'
OPEN BRANCH FROM BUS 243019 TO BUS 253111 CKT 1      / 243019 05HILLSB 138 253111 09MIDDLE 138 1
OPEN BRANCH FROM BUS 253111 TO BUS 253057 CKT 1      / 253111 09MIDDLE 138 253057 09OHH 138 1
END
CONTINGENCY 'DAY_1'
OPEN BRANCH FROM BUS 253248 TO BUS 253252 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 253248 TO BUS 253027 CKT 1
OPEN BRANCH FROM BUS 253248 TO BUS 243453 CKT 1
END
CONTINGENCY 'DAY_2'
OPEN BRANCH FROM BUS 253250 TO BUS 253142 CKT 1
OPEN BRANCH FROM BUS 253250 TO BUS 243319 CKT 1
END
CONTINGENCY '2735_C1'
OPEN BRANCH FROM BUS 243453 TO BUS 253248 CKT 1      / 243453 05BEATTY 345 253027 09SCHARL 345 1
OPEN BRANCH FROM BUS 253006 TO BUS 253027 CKT 1      / 253006 09BATH 345 253027 09GREENE 345 1
OPEN BRANCH FROM BUS 253014 TO BUS 253027 CKT 1      / 253014 09CLINTO 345 253027 09GREENE 345 1
OPEN BRANCH FROM BUS 253027 TO BUS 253079 CKT 1      / 253027 09GREENE 345 253079 09SUGRCK 345 1
OPEN BRANCH FROM BUS 253027 TO BUS 253026 CKT 1      / 253027 09GREENE 345 253026 09GREENE 138 1
OPEN BRANCH FROM BUS 253027 TO BUS 253026 CKT 2      / 253027 09GREENE 345 253026 09GREENE 138 2
END
/*=====DEO&K TIES=====
CONTINGENCY '2812_C1_05TANNER 345-2'
OPEN BRANCH FROM BUS 243233 TO BUS 249568 CKT 1      / 243233 05TANNER 345 249568 08M.FTHS 345 1
OPEN BRANCH FROM BUS 243233 TO BUS 243382 CKT 5      / 243233 05TANNER 345 243382 05TANNER 138 5
OPEN BRANCH FROM BUS 249568 TO BUS 250057 CKT 10     / 249568 08M.FTHS 345 250057 08M.FORT 138 10
OPEN BRANCH FROM BUS 249568 TO BUS 250057 CKT 9      / 249568 08M.FTHS 345 250057 08M.FORT 138 9
END
CONTINGENCY 'C1 CLINTON COUNTY'
OPEN BRANCH FROM BUS 243019 TO BUS 249995 CKT 1
OPEN BRANCH FROM BUS 249995 TO BUS 250122 CKT 1
OPEN BUS 251803
END
CONTINGENCY 'C1 BROWN'
OPEN BRANCH FROM BUS 249990 TO BUS 250021 CKT 1
OPEN BRANCH FROM BUS 253076 TO BUS 249990 CKT 1
OPEN BRANCH FROM BUS 249990 TO BUS 251277 TO BUS 251792 CKT 1
END
CONTINGENCY 'C1 MT ZION'
OPEN BRANCH FROM BUS 249991 TO BUS 250077 CKT 1
OPEN BRANCH FROM BUS 250054 TO BUS 250077 CKT 1
OPEN BRANCH FROM BUS 342559 TO BUS 250054 CKT 1
OPEN BUS 252271
OPEN BUS 252229
END
/*=====EKPC=====
CONTINGENCY 'COOPER BUS 1 161 KV'
OPEN BRANCH FROM BUS 341344 TO BUS 342715 CKT 1      /* 341344 2COOPER 69 342715 5COOPER1 161.00
OPEN BRANCH FROM BUS 342715 TO BUS 342718 CKT 1      /* 342715 5COOPER1 161 342718 5COOPER2 161.00

```

OPEN BRANCH FROM BUS 342715 TO BUS 342790 CKT 1 J161.00	/* 342715 5COOPER1 161 342790 5PULASK CO
OPEN BRANCH FROM BUS 342715 TO BUS 342799 CKT 1 END	/* 342715 5COOPER1 161 342799 5S OAKHILL 161.00
CONTINGENCY 'GREEN CO 161 KV'	
OPEN BRANCH FROM BUS 341563 TO BUS 342733 CKT 1	/* 341563 2GREEN CO 69 342733 5GREEN CO 161.00
OPEN BRANCH FROM BUS 342733 TO BUS 342814 CKT 1 161.00	/* 342733 5GREEN CO 161 342814 5SUMM SHADE
OPEN BRANCH FROM BUS 342733 TO BUS 342817 CKT 1 J161.00	/* 342733 5GREEN CO 161 342817 5TAYLOR CO
END	
CONTINGENCY 'LAUREL CO 161 KV'	
OPEN BRANCH FROM BUS 341740 TO BUS 342754 CKT 1	/* 341740 2LAUREL CO 69 342754 5LAUREL CO 161.00
OPEN BRANCH FROM BUS 342754 TO BUS 342757 CKT 1 161.00	/* 342754 5LAUREL CO 161 342757 5LAUREL DAM
OPEN BRANCH FROM BUS 342754 TO BUS 342781 CKT 1 161.00	/* 342754 5LAUREL CO 161 342781 5PITTSBURG
END	
CONTINGENCY 'LAUREL DAM 161 KV'	
OPEN BRANCH FROM BUS 342718 TO BUS 342757 CKT 1 161.00	/* 342718 5COOPER2 161 342757 5LAUREL DAM
OPEN BRANCH FROM BUS 342754 TO BUS 342757 CKT 1 161.00	/* 342754 5LAUREL CO 161 342757 5LAUREL DAM
END	
CONTINGENCY 'LIBERTY JCT 161 KV'	
OPEN BRANCH FROM BUS 341761 TO BUS 342760 CKT 1	/* 341761 2LIBERTY J 69 342760 5LIBERTY J 161.00
OPEN BRANCH FROM BUS 342760 TO BUS 342790 CKT 1 J161.00	/* 342760 5LIBERTY J 161 342790 5PULASK CO
OPEN BRANCH FROM BUS 342703 TO BUS 342760 CKT 1 END	/* 342703 5CASEY CO 161 342760 5LIBERTY J 161.00
CONTINGENCY 'TYNER 161 KV'	
OPEN BRANCH FROM BUS 342730 TO BUS 342820 CKT 1	/* 342730 5FALL ROCK 161 342820 5TYNER 161.00
OPEN BRANCH FROM BUS 342391 TO BUS 342820 CKT 1	/* 342391 2TYNER 69 342820 5TYNER 161.00
OPEN BRANCH FROM BUS 342736 TO BUS 342820 CKT 1	/* 342736 5GREEN HAL T 161 342820 5TYNER 161.00
OPEN BRANCH FROM BUS 342781 TO BUS 342820 CKT 1 END	/* 342781 5PITTSBURG 161 342820 5TYNER 161.00
CONTINGENCY 'BULLITT CO 161 KV'	
OPEN BRANCH FROM BUS 341215 TO BUS 342700 CKT 1 161.00	/* 341215 2BULLITT CO 69 342700 5BULLITT CO
OPEN BRANCH FROM BUS 342700 TO BUS 342706 CKT 1 161.00	/* 342700 5BULLITT CO 161 342706 5CEDAR G IP
OPEN BRANCH FROM BUS 342700 TO BUS 342766 CKT 1 T161.00	/* 342700 5BULLITT CO 161 342766 5LITTLE MT
OPEN BRANCH FROM BUS 342700 TO BUS 342811 CKT 1 T161.00	/* 342700 5BULLITT CO 161 342811 5SUMM SHAD
END	
CONTINGENCY 'DALE 138 KV'	
OPEN BRANCH FROM BUS 342565 TO BUS 342574 CKT 1	/* 342565 4BOONESBOR T 138 342574 4DALE 138.00
OPEN BRANCH FROM BUS 342574 TO BUS 342607 CKT 1	/* 342574 4DALE 138 342607 4JK SMITH 138.00
OPEN BRANCH FROM BUS 342574 TO BUS 342676 CKT 1	/* 342574 4DALE 138 342676 4THREE FK T 138.00
OPEN BRANCH FROM BUS 341380 TO BUS 342574 CKT 1	/* 341380 2DALE 69 342574 4DALE 138.00
OPEN BRANCH FROM BUS 342574 TO BUS 342911 CKT 1 END	/* 342574 4DALE 138 342911 1DALE 4G 13.800
CONTINGENCY 'GODDARD 138 KV'	
OPEN BRANCH FROM BUS 342583 TO BUS 342589 CKT 1 138.00	/* 342583 4FLEMINGSBRG 138 342589 4GODDARD
OPEN BRANCH FROM BUS 342589 TO BUS 342592 CKT 1 138.00	/* 342589 4GODDARD 138 342592 4GODDARD J
OPEN BRANCH FROM BUS 342589 TO BUS 342634 CKT 1	/* 342589 4GODDARD 138 342634 4PLUMVILLE 138.00
OPEN BRANCH FROM BUS 341536 TO BUS 342589 CKT 1 END	/* 341536 2GODDARD 69 342589 4GODDARD 138.00

CONTINGENCY 'PLUMVILLE 138 KV'	
OPEN BRANCH FROM BUS 342589 TO BUS 342634 CKT 1	/* 342589 4GODDARD 138 342634 4PLUMVILLE 138.00
OPEN BRANCH FROM BUS 342091 TO BUS 342634 CKT 1	/* 342091 2PLUMVILLE 69 342634 4PLUMVILLE 138.00
OPEN BRANCH FROM BUS 342622 TO BUS 342634 CKT 1	/* 342622 4MAYSVIL I T 138 342634 4PLUMVILLE
138.00	
END	
CONTINGENCY 'POWELL CO 138 KV'	
OPEN BRANCH FROM BUS 342607 TO BUS 342637 CKT 1	/* 342607 4JK SMITH 138 342637 4POWELL CO 138.00
OPEN BRANCH FROM BUS 342100 TO BUS 342637 CKT 1	/* 342100 2POWELL CO 69 342637 4POWELL CO
138.00	
OPEN BRANCH FROM BUS 342637 TO BUS 342784 CKT 1	/* 342637 4POWELL CO 138 342784 5POWELL CO
161.00	
END	
CONTINGENCY 'RENAKER 138 KV'	
OPEN BRANCH FROM BUS 342550 TO BUS 342640 CKT 1	/* 342550 4BAVARIAN LF 138 342640 4RENAKER
138.00	
OPEN BRANCH FROM BUS 342640 TO BUS 342664 CKT 1	/* 342640 4RENAKER 138 342664 4SPURLOCK 138.00
OPEN BRANCH FROM BUS 342604 TO BUS 342640 CKT 1	/* 342604 4JACKSNVIL T 138 342640 4RENAKER
138.00	
OPEN BRANCH FROM BUS 342133 TO BUS 342640 CKT 1	/* 342133 2RENAKER 69 342640 4RENAKER 138.00
END	
CONTINGENCY 'STANLEY PARKER 138 KV'	
OPEN BRANCH FROM BUS 342646 TO BUS 342667 CKT 1	/* 342646 4RICHWOOD T 138 342667 4STANLEY
PRK138.00	
OPEN BRANCH FROM BUS 342664 TO BUS 342667 CKT 1	/* 342664 4SPURLOCK 138 342667 4STANLEY
PRK138.00	
OPEN BRANCH FROM BUS 342292 TO BUS 342667 CKT 1	/* 342292 2STANLEY PRK 69 342667 4STANLEY
PRK138.00	
END	
/*=====EKPC TIES=====	
CONTINGENCY 'ARGENTUM 138 KV'	
OPEN BRANCH FROM BUS 243688 TO BUS 342538 CKT 1	/* 243688 05FULLER 138 342538 4ARGENTUM 138.00
OPEN BRANCH FROM BUS 342538 TO BUS 342616 CKT 1	/* 342538 4ARGENTUM 138 342616 4LOVE HYDRO
138.00	
OPEN BRANCH FROM BUS 341020 TO BUS 342538 CKT 1	/* 341020 2ARGENTUM 69 342538 4ARGENTUM
138.00	
END	
CONTINGENCY 'C1 EKPWEB3'	
OPEN BRANCH FROM BUS 342487 TO BUS 250148 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'COOPER BUS 2 161 KV'	
OPEN BRANCH FROM BUS 324141 TO BUS 342718 CKT 1	/* 324141 5ELIHU 161 342718 5COOPER2 161.00
OPEN BRANCH FROM BUS 342715 TO BUS 342718 CKT 1	/* 342715 5COOPER1 161 342718 5COOPER2 161.00
OPEN BRANCH FROM BUS 342718 TO BUS 342727 CKT 1	/* 342718 5COOPER2 161 342727 5DENNY 161.00
OPEN BRANCH FROM BUS 342718 TO BUS 342757 CKT 1	/* 342718 5COOPER2 161 342757 5LAUREL DAM
161.00	
END	
CONTINGENCY 'MARION CO 161 KV'	
OPEN BRANCH FROM BUS 342703 TO BUS 342769 CKT 1	/* 342703 5CASEY CO 161 342769 5MARION CO
161.00	
OPEN BRANCH FROM BUS 342769 TO BUS 342775 CKT 1	/* 342769 5MARION CO 161 342775 5MARION IP
T161.00	
OPEN BRANCH FROM BUS 324280 TO BUS 342769 CKT 1	/* 324280 4MARIONL 138 342769 5MARION CO 161.00
END	
CONTINGENCY 'MCCREARY CO 161 KV'	
OPEN BRANCH FROM BUS 342778 TO BUS 360473 CKT 1	/* 342778 5MCCREARY CO 161 360473 5JELLICO TN
161.00	
OPEN BRANCH FROM BUS 342778 TO BUS 360486 CKT 1	/* 342778 5MCCREARY CO 161 360486 5WAYNE CO
KY161.00	
OPEN BRANCH FROM BUS 342778 TO BUS 361579 CKT 1	/* 342778 5MCCREARY CO 161 361579 5WINFIELD
TN161.00	

OPEN BRANCH FROM BUS 341845 TO BUS 342778 CKT 1 CO161.00 END CONTINGENCY 'SUMMER SHADE #1 161 KV'	/* 341845 2MCCREARY CO 69 342778 5MCCREARY
OPEN BRANCH FROM BUS 342814 TO BUS 360334 CKT 1 SHAD161.00	/* 342814 5SUMM SHADE 161 360334 5SUMMER
OPEN BRANCH FROM BUS 342322 TO BUS 342814 CKT 1 161.00 END CONTINGENCY 'SUMMER SHADE #2 161 KV'	/* 342322 2SUMM SHADE 69 342814 5SUMM SHADE
OPEN BRANCH FROM BUS 342811 TO BUS 360334 CKT 1 SHAD161.00	/* 342811 5SUMM SHAD T 161 360334 5SUMMER
OPEN BRANCH FROM BUS 342694 TO BUS 342814 CKT 1 161.00	/* 342694 5BARREN CO 161 342814 5SUMM SHADE
OPEN BRANCH FROM BUS 342733 TO BUS 342814 CKT 1 161.00 END CONTINGENCY 'BOONE CO 138 KV'	/* 342733 5GREEN CO 161 342814 5SUMM SHADE
OPEN BRANCH FROM BUS 341164 TO BUS 342559 CKT 1	/* 341164 2BOONE CO 69 342559 4BOONE CO 138.00
OPEN BRANCH FROM BUS 250054 TO BUS 342559 CKT 1	/* 250054 08LONGBR 138 342559 4BOONE CO 138.00
OPEN BRANCH FROM BUS 342550 TO BUS 342559 CKT 1 138.00	/* 342550 4BAVARIAN LF 138 342559 4BOONE CO
OPEN BRANCH FROM BUS 342559 TO BUS 342673 CKT 1	/* 342559 4BOONE CO 138 342562 4BOONE-R 138.00
OPEN BRANCH FROM BUS 342559 TO BUS 342646 CKT 1 138.00 END CONTINGENCY 'FAWKES EKPC 138 KV'	/* 342559 4BOONE CO 138 342646 4RICHWOOD T
OPEN BRANCH FROM BUS 324247 TO BUS 342577 CKT 1	/* 324247 FAWK TAP 138 342577 4FAWKES EK 138.00
OPEN BRANCH FROM BUS 324248 TO BUS 342577 CKT 1	/* 324248 FAWKS KU 138 342577 4FAWKES EK 138.00
OPEN BRANCH FROM BUS 342577 TO BUS 342607 CKT 1	/* 342577 4FAWKES EK 138 342607 4JK SMITH 138.00
OPEN BRANCH FROM BUS 342577 TO BUS 342676 CKT 1 138.00	/* 342577 4FAWKES EK 138 342676 4THREE FK T
OPEN BRANCH FROM BUS 342577 TO BUS 342691 CKT 1 END CONTINGENCY 'GALLATIN CO 138 KV'	/* 342577 4FAWKES EK 138 342691 4W BEREAL 138.00
OPEN BRANCH FROM BUS 324253 TO BUS 342586 CKT 1	/* 324253 GHENT 138 342586 4GALLATIN CO138.00
OPEN BRANCH FROM BUS 342586 TO BUS 342673 CKT 1 138.00	/* 342586 4GALLATIN CO 138 342673 4STERLNG T
REDUCE BUS 342586 LOAD BY 100 PERCENT END CONTINGENCY 'ROWAN CO 138 KV'	/* 342586 4GALLATIN CO 138
OPEN BRANCH FROM BUS 324302 TO BUS 342649 CKT 1	/* 324302 4RODBURN 138 342649 4ROWAN CO 138.00
OPEN BRANCH FROM BUS 342571 TO BUS 342649 CKT 1 138.00	/* 342571 4CRANSTON 138 342649 4ROWAN CO
OPEN BRANCH FROM BUS 342649 TO BUS 342658 CKT 1	/* 342649 4ROWAN CO 138 342658 4SKAGGS 138.00
OPEN BRANCH FROM BUS 342163 TO BUS 342649 CKT 1 END CONTINGENCY 'DUKE-BUS HEBRON3'	/* 342163 2ROWAN CO 69 342649 4ROWAN CO 138.00
OPEN BRANCH FROM BUS 250152 TO BUS 342595 CKT 1	/* 250152 08HEBRNG 138 342595 4HEBRON 138.00
OPEN BRANCH FROM BUS 341605 TO BUS 342595 CKT 1	/* 341605 2HEBRON 69 342595 4HEBRON 138.00
REDUCE BUS 342595 LOAD BY 100.0 PERCENT END END	/* 342595 4HEBRON 138.00

A.2.3 Tower Contingencies

```

/*=====CONTINGENCY SUMMARY=====
/* Case: T:\rtep\base2019\BASE CASE\2019_RTEP_NonDiversified_03252014_NGT3.sav
/* Contingency File: T:\rtep\base2019\Contingency\2019_RTEP_Summer_Tower_03312014.con
/* - FE : 172 (14 TIES)
/* - AEP : 205 (22 TIES)
/* - OVEC : 4 (6 TIES)
/* - DAY : 5 (5 TIES)
/* - DEO&K : 36 (11 TIES)
/* - EKPC : 3 (4 TIES)
/* From 2019_RTEP_Summer_Tower_04172014.con that contains only singe/double contingencies in FE, AEP, OVEC, DAY,
DEO&K and EKPC
/*=====
/*=====FE=====
CONTINGENCY 'C5-TWL-CR002' /* CAR-JOHNSON,CAR-LORAIN 138
DISCONNECT BRANCH FROM BUS 238608 TO BUS 239275 CKT 1 /* 02CARLIL 138.00 02FLDSTN 138.00
DISCONNECT BRANCH FROM BUS 238608 TO BUS 239314 CKT 1 /* 02CARLIL 138.00 02NATBRNZ 138.00
END
CONTINGENCY 'C5-TWL-CR003' /* CAR-GATES,CAR-SHIN 138
DISCONNECT BRANCH FROM BUS 238608 TO BUS 238749 CKT 1 /* 02CARLIL 138.00 02GATES 138.00
DISCONNECT BRANCH FROM BUS 238608 TO BUS 239279 CKT 1 /* 02CARLIL 138.00 02CONCST 138.00
END
CONTINGENCY 'C5-TWL-CR004' /* GATES-JOHN,CAR-SHIN 138
DISCONNECT BRANCH FROM BUS 238749 TO BUS 238971 CKT 1 /* 02GATES 138.00 02MURRAY 138.00
DISCONNECT BRANCH FROM BUS 238971 TO BUS 238845 CKT 1 /* 02MURRAY 138.00 02JONSON 138.00
DISCONNECT BRANCH FROM BUS 238608 TO BUS 239279 CKT 1 /* 02CARLIL 138.00 02CONCST 138.00
DISCONNECT BUS 238971 /* 02MURRAY 138.00
END
CONTINGENCY 'C5-TWL-CR005' /* GATES-JOHN,BEAV-JOHN 138
DISCONNECT BRANCH FROM BUS 238749 TO BUS 238971 CKT 1 /* 02GATES 138.00 02MURRAY 138.00
DISCONNECT BRANCH FROM BUS 238971 TO BUS 238845 CKT 1 /* 02MURRAY 138.00 02JONSON 138.00
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238845 CKT 1 /* 02BEAVER 138.00 02JONSON 138.00
DISCONNECT BUS 238971 /* 02MURRAY 138.00
END
CONTINGENCY 'C5-TWL-CR06C' /* BEAV-BLK RVR, BEAV-JOHN 138
DISCONNECT BRANCH FROM BUS 238570 TO BUS 239728 CKT 1F /* 02BEAVER 138.00 02BLKRVR 138.00
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238845 CKT 1 /* 02BEAVER 138.00 02JONSON 138.00
END
CONTINGENCY 'C5-TWL-CR08A' /* BLK RVR-REPARC, BLK RVR-REPVINE 138
DISCONNECT BRANCH FROM BUS 239728 TO BUS 239730 CKT 1 /* 02BLKRVR 138.00 02REPARC 138.00
DISCONNECT BRANCH FROM BUS 239728 TO BUS 239145 CKT 1 /* 02BLKRVR 138.00 02REPVINE 138.00
DISCONNECT BRANCH FROM BUS 239145 TO BUS 239730 CKT 1 /* 02REPVINE 138.00 02REPARC 138.00
DISCONNECT BUS 239145 /* 02REPVINE 138.00
DISCONNECT BUS 239730 /* 02REPARC 138.00
END
CONTINGENCY 'C5-TWL-CR009' /* CARL-SHIN, BEAV-JOHN 138
DISCONNECT BRANCH FROM BUS 238608 TO BUS 239279 CKT 1 /* 02CARLIL 138.00 02CONCST 138.00
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238845 CKT 1 /* 02BEAVER 138.00 02JONSON 138.00
END
CONTINGENCY 'C5-TWL-CR010' /* BEAV-FORD, BEAV-NASA 138
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238728 CKT 1 /* 02BEAVER 138.00 02FORD 138.00
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238981 CKT 1 /* 02BEAVER 138.00 02NASA 138.00
END
CONTINGENCY 'C5-TWL-CR011' /* BEAV-NASA, FORD-NEW DEP 138
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238981 CKT 1 /* 02BEAVER 138.00 02NASA 138.00
DISCONNECT BUS 238590 /* 02BRWELL 138.00
END
CONTINGENCY 'C5-TWL-CR012' /* BROOK-HENRTA, BROOK-WELL 138
DISCONNECT BRANCH FROM BUS 239318 TO BUS 239319 CKT 1 /* 02HENRTA 138.00 02CAMDEN 138.00
DISCONNECT BRANCH FROM BUS 239319 TO BUS 239215 CKT 1 /* 02CAMDEN 138.00 02BRIGHT 138.00
DISCONNECT BRANCH FROM BUS 239215 TO BUS 239216 CKT 1 /* 02BRIGHT 138.00 02TROY 138.00
DISCONNECT BRANCH FROM BUS 239216 TO BUS 238586 CKT 1 /* 02TROY 138.00 02BRKSID 138.00

```

DISCONNECT BRANCH FROM BUS 238586 TO BUS 239168 CKT 1	/* 02BRKSID 138.00 02WELNGT 138.00
DISCONNECT BUS 239168	/* 02WELNGT 138.00
END	
CONTINGENCY 'C5-TWL-CR012A'	/* BEAV-JOHNSON, BEAV-HENRIETTA 138
DISCONNECT BRANCH FROM BUS 238570 TO BUS 238845 CKT 1	/* 02BEAVER 138.00 02JONSON 138.00
DISCONNECT BRANCH FROM BUS 238570 TO BUS 239318 CKT 1	/* 02BEAVER 138.00 02HENRTA 138.00
END	
CONTINGENCY 'C5-TWL-CR013A'	/* BEAV-CARL, BEAV-DAVISBESSE 345
DISCONNECT BRANCH FROM BUS 238569 TO BUS 238607 CKT 1	/* 02BEAVER 345.00 02CARLIL 345.00
DISCONNECT BRANCH FROM BUS 238569 TO BUS 907060 CKT 1	/* 02BEAVER 345.00 X1-027A_AT12 345.00
END	
CONTINGENCY 'C5-TWL-CR014'	/* N MED-STAR, JUNIPER-STAR 345
DISCONNECT BRANCH FROM BUS 239122 TO BUS 238976 CKT 1	/* 02STAR 345.00 02N MED 345.00
DISCONNECT BRANCH FROM BUS 239122 TO BUS 238850 CKT 1	/* 02STAR 345.00 02JUNIP 345.00
END	
CONTINGENCY 'C5-TWL-CR015'	/* WADS-W AKRON, STAR-URBAN 138
DISCONNECT BRANCH FROM BUS 239160 TO BUS 239043 CKT 1	/* 02WADS 138.00 02PINE 138.00
DISCONNECT BRANCH FROM BUS 239043 TO BUS 239075 CKT 1	/* 02PINE 138.00 02ROSEMT 138.00
DISCONNECT BRANCH FROM BUS 239075 TO BUS 239161 CKT 1	/* 02ROSEMT 138.00 02WAKRON 138.00
DISCONNECT BRANCH FROM BUS 239123 TO BUS 239142 CKT 1	/* 02STAR 138.00 02TUSC 138.00
DISCONNECT BRANCH FROM BUS 239142 TO BUS 239362 CKT 1F	/* 02TUSC 138.00 02INVOLTA 138.00
DISCONNECT BRANCH FROM BUS 239362 TO BUS 239144 CKT 1F	/* 02INVOLTA 138.00 02URBAN 138.00
DISCONNECT BUS 239043	/* 02PINE 138.00
DISCONNECT BUS 239075	/* 02ROSEMT 138.00
DISCONNECT BUS 239142	/* 02TUSC 138.00
END	
CONTINGENCY 'C5-TWL-CR016'	/* STAR-WADS, STAR-URBAN 138
DISCONNECT BRANCH FROM BUS 239123 TO BUS 239160 CKT 1	/* 02STAR 138.00 02WADS 138.00
DISCONNECT BUS 239142	/* 02TUSC 138.00
END	
CONTINGENCY 'C5-TWL-CR017A'	/* BARB-STAR, CLOVER-STAR 138
DISCONNECT BRANCH FROM BUS 238581 TO BUS 239123 CKT 1	/* 02BRBRTN 138.00 02STAR 138.00
DISCONNECT BRANCH FROM BUS 238629 TO BUS 239123 CKT 1F	/* 02CLVRDL 138.00 02STAR 138.00
END	
CONTINGENCY 'C5-TWL-CR018B'	/* BARB-CLOVER, BARB-STAR 138
DISCONNECT BRANCH FROM BUS 238581 TO BUS 238629 CKT 1F	/* 02BRBRTN 138.00 02CLVRDL 138.00
DISCONNECT BRANCH FROM BUS 238581 TO BUS 239123 CKT 1	/* 02BRBRTN 138.00 02STAR 138.00
END	
CONTINGENCY 'C5-TWL-CR019'	/* BARB-W AKRON, WADS-W AKRON 138
DISCONNECT BRANCH FROM BUS 238581 TO BUS 239161 CKT 1F	/* 02BRBRTN 138.00 02WAKRON 138.00
DISCONNECT BRANCH FROM BUS 239160 TO BUS 239043 CKT 1	/* 02WADS 138.00 02PINE 138.00
DISCONNECT BRANCH FROM BUS 239043 TO BUS 239075 CKT 1	/* 02PINE 138.00 02ROSEMT 138.00
DISCONNECT BRANCH FROM BUS 239075 TO BUS 239161 CKT 1	/* 02ROSEMT 138.00 02WAKRON 138.00
DISCONNECT BUS 239043	/* 02PINE 138.00
DISCONNECT BUS 239075	/* 02ROSEMT 138.00
END	
CONTINGENCY 'C5-TWL-CR020'	/* PV-W AKRON E, PV-W AKRON W 138
DISCONNECT BRANCH FROM BUS 239161 TO BUS 238589 CKT 1	/* 02WAKRON 138.00 02BRUSH 138.00
DISCONNECT BRANCH FROM BUS 238589 TO BUS 239307 CKT 1	/* 02BRUSH 138.00 02HPQ-22 138.00
DISCONNECT BRANCH FROM BUS 238798 TO BUS 239307 CKT 1	/* 02HKQ-21 138.00 02HPQ-22 138.00
DISCONNECT BRANCH FROM BUS 238798 TO BUS 239052 CKT 1	/* 02HKQ-21 138.00 02PV Q4 138.00
DISCONNECT BRANCH FROM BUS 238799 TO BUS 239161 CKT 1	/* 02HKQ-22 138.00 02WAKRON 138.00
DISCONNECT BRANCH FROM BUS 238799 TO BUS 239050 CKT 1	/* 02HKQ-22 138.00 02PV Q2 138.00
DISCONNECT BUS 239307	/* 02HPQ-22 138.00
DISCONNECT BUS 238798	/* 02HKQ-21 138.00
DISCONNECT BUS 238799	/* 02HKQ-22 138.00
DISCONNECT BUS 238589	/* 02BRUSH 138.00
END	
CONTINGENCY 'C5-TWL-CR021'	/* CHAM-W AKRON, BABB-W AKRON 138
DISCONNECT BRANCH FROM BUS 238617 TO BUS 239010 CKT 1	/* 02CHMBER 138.00 02NORDON 138.00
DISCONNECT BRANCH FROM BUS 239010 TO BUS 238824 CKT 1	/* 02NORDON 138.00 02IRA 138.00

DISCONNECT BRANCH FROM BUS 238824 TO BUS 239161 CKT 1 /* 02IRA 138.00 02WAKRON 138.00
DISCONNECT BRANCH FROM BUS 238560 TO BUS 239161 CKT 1 /* 02BABB 138.00 02WAKRON 138.00
DISCONNECT BUS 238824 /* 02IRA 138.00
DISCONNECT BUS 239010 /* 02NORDON 138.00
END
CONTINGENCY 'C5-TWL-CR022' /* BABB-W AKRON, AETNA-W AKRON 138
DISCONNECT BRANCH FROM BUS 238560 TO BUS 239161 CKT 1 /* 02BABB 138.00 02WAKRON 138.00
DISCONNECT BRANCH FROM BUS 239161 TO BUS 238528 CKT 1 /* 02WAKRON 138.00 02AETNA 138.00
END
CONTINGENCY 'C5-TWL-CR023' /* CHAM-THEIS, CHAM-W AKRON 138
DISCONNECT BRANCH FROM BUS 238617 TO BUS 239137 CKT 1 /* 02CHMBER 138.00 02THEIS 138.00
DISCONNECT BRANCH FROM BUS 238617 TO BUS 239010 CKT 1 /* 02CHMBER 138.00 02NORDON 138.00
DISCONNECT BRANCH FROM BUS 239010 TO BUS 238824 CKT 1 /* 02NORDON 138.00 02IRA 138.00
DISCONNECT BRANCH FROM BUS 238824 TO BUS 239161 CKT 1 /* 02IRA 138.00 02WAKRON 138.00
DISCONNECT BUS 238824 /* 02IRA 138.00
DISCONNECT BUS 239010 /* 02NORDON 138.00
END
CONTINGENCY 'C5-TWL-CR024' /* DARROW-HANNA,DARROW-HUDSON E 138
DISCONNECT BRANCH FROM BUS 238652 TO BUS 238580 CKT 1 /* 02DARROW 138.00 02BRADY 138.00
DISCONNECT BRANCH FROM BUS 238580 TO BUS 238782 CKT 1 /* 02BRADY 138.00 02HANNA 138.00
DISCONNECT BRANCH FROM BUS 238652 TO BUS 238814 CKT 1 /* 02DARROW 138.00 02HUDMUN 138.00
DISCONNECT BUS 238580 /* 02BRADY 138.00
END
CONTINGENCY 'C5-TWL-CR025' /* DARROW-HANNA 138, RAV-SUMNER 69
DISCONNECT BRANCH FROM BUS 238652 TO BUS 238580 CKT 1 /* 02DARROW 138.00 02BRADY 138.00
DISCONNECT BRANCH FROM BUS 238580 TO BUS 238782 CKT 1 /* 02BRADY 138.00 02HANNA 138.00
DISCONNECT BRANCH FROM BUS 239570 TO BUS 239565 CKT 1 /* RAVENNA 69.00 SUMNER + 69.00
DISCONNECT BRANCH FROM BUS 239565 TO BUS 239564 CKT 1 /* SUMNER + 69.00 LK.ROCKW 69.00
DISCONNECT BRANCH FROM BUS 239565 TO BUS 239566 CKT 1 /* SUMNER + 69.00 SUMNER 69.00
DISCONNECT BRANCH FROM BUS 239566 TO BUS 239567 CKT 1 /* SUMNER 69.00 RMH/GE + 69.00 /*GE + 69.00 1
1 0
DISCONNECT BRANCH FROM BUS 239567 TO BUS 239568 CKT 1 /* RMH/GE + 69.00 ROB.MEM. 69.00 /*GE + 69.00
ROB.MEM. 69.00 1 1 0
DISCONNECT BRANCH FROM BUS 239567 TO BUS 239569 CKT 1 /* RMH/GE + 69.00 G.E. RAV 69.00 /*GE + 69.00
G.E. RAV 69.00 1 1 0
DISCONNECT BUS 239564 /* LK.ROCKW 69.00
DISCONNECT BUS 239566 /* SUMNER 69.00
DISCONNECT BUS 239568 /* ROB.MEM. 69.00
DISCONNECT BUS 239569 /* G.E. RAV 69.00
DISCONNECT BUS 238580 /* 02BRADY 138.00
END
CONTINGENCY 'C5-TWL-CR025A' /* DARROW-HANNA 138, DARROW-SHALERS 69
DISCONNECT BRANCH FROM BUS 238652 TO BUS 238580 CKT 1 /* 02DARROW 138.00 02BRADY 138.00
DISCONNECT BRANCH FROM BUS 238580 TO BUS 238782 CKT 1 /* 02BRADY 138.00 02HANNA 138.00
DISCONNECT BRANCH FROM BUS 238653 TO BUS 239561 CKT 1 /* 02DARROW 69.00 LITL TY+ 69.00
DISCONNECT BRANCH FROM BUS 239561 TO BUS 239562 CKT 1 /* LITL TY+ 69.00 STRB TA+ 69.00
DISCONNECT BRANCH FROM BUS 239562 TO BUS 239563 CKT 1 /* STRB TA+ 69.00 STREETSB 69.00
DISCONNECT BRANCH FROM BUS 239563 TO BUS 239611 CKT 1 /* STREETSB 69.00 AURPLAS+ 69.00
DISCONNECT BRANCH FROM BUS 239611 TO BUS 239102 CKT 1 /* AURPLAS+ 69.00 02SHALER 69.00
DISCONNECT BUS 239561 /* LITL TY+ 69.00
DISCONNECT BUS 239563 /* STREETSB 69.00
DISCONNECT BUS 239611 /* AURPLAS+ 69.00
END
CONTINGENCY 'C5-TWL-CR026' /* E AKRON-HANNA, E AKRON-W RAV 138
DISCONNECT BRANCH FROM BUS 238678 TO BUS 239615 CKT 1 /* 02EAKRON 138.00 02HANNA 138.00
DISCONNECT BRANCH FROM BUS 238678 TO BUS 239178 CKT 1 /* 02EAKRON 138.00 02WRAVNA 138.00
END
CONTINGENCY 'C5-TWL-CR026_ADD' /* E AKRON-HANNA, E AKRON-W RAV 138
DISCONNECT BRANCH FROM BUS 239615 TO BUS 238782 CKT 1 /* 02EAKRON 138.00 02HANNA 138.00
DISCONNECT BRANCH FROM BUS 238678 TO BUS 239178 CKT 1 /* 02EAKRON 138.00 02WRAVNA 138.00
END

CONTINGENCY 'C5-TWL-CR027'	/ * HANNA-W RAV 1, HANNA-W RAV 2 138
DISCONNECT BRANCH FROM BUS 238782 TO BUS 239178 CKT 1	/ * 02HANNA 138.00 02WRAPNA 138.00
DISCONNECT BRANCH FROM BUS 238782 TO BUS 239178 CKT 2	/ * 02HANNA 138.00 02WRAPNA 138.00
END	
CONTINGENCY 'C5-TWL-CR28A'	/ * E AKRON-GILC, E AKRON-KNOX 138
DISCONNECT BRANCH FROM BUS 238678 TO BUS 238757 CKT 1	/ * 02EAKRON 138.00 02GLCRST 138.00
DISCONNECT BRANCH FROM BUS 238678 TO BUS 238864 CKT 1	/ * 02EAKRON 138.00 02KNOX 138.0
END	
CONTINGENCY 'C5-TWL-CR29A'	/ * GILC-S AKRON, E AKRON-KNOX 138
DISCONNECT BRANCH FROM BUS 238757 TO BUS 238873 CKT 1	/ * 02GLCRST 138.00 02LAKMOR 138.00
DISCONNECT BRANCH FROM BUS 238873 TO BUS 238626 CKT 1	/ * 02LAKMOR 138.00 02CLAYBN 138.00
DISCONNECT BRANCH FROM BUS 238626 TO BUS 239083 CKT 1	/ * 02CLAYBN 138.00 02SAKRON 138.00
DISCONNECT BRANCH FROM BUS 238678 TO BUS 238864 CKT 1	/ * 02EAKRON 138.00 02KNOX 138
DISCONNECT BUS 238873	/ * 02LAKMOR 138.00
DISCONNECT BUS 238626	/ * 02CLAYBN 138.00
END	
CONTINGENCY 'C5-TWL-CR33A'	/ * HARMON-CLOV 2, HARMON-CLOV 3 138
DISCONNECT BRANCH FROM BUS 238629 TO BUS 239354 CKT 2	/ * 02CLVRDL 138.00 239354 02HARMON 138.00
DISCONNECT BRANCH FROM BUS 238629 TO BUS 239354 CKT 3	/ * 02CLVRDL 138.00 239354 02HARMON 138.00
END	
CONTINGENCY 'C5-TWL-CR034_A'	/ * N DEPT-FORD/GRNFD-NASA 138
DISCONNECT BUS 238590	/ * 02BRWELL 138.00
DISCONNECT BRANCH FROM BUS 238768 TO BUS 238981 CKT 1	/ * 02GRNFLD 138.00 02NASA 138.00
END	
CONTINGENCY 'C5-TWL-CR035'	/ * NASA TAP 138
DISCONNECT BRANCH FROM BUS 238768 TO BUS 238981 CKT 1	/ * 02GRNFLD 138.00 02NASA 138.00
DISCONNECT BRANCH FROM BUS 238981 TO BUS 238570 CKT 1	/ * 02NASA 138.00 02BEAVER 138.00
END	
CONTINGENCY 'C5-TWL-CR040A'	/ * DAVIS BESSE-BEAVER + DAVIS BESSE-HAYES 345KV
DISCONNECT BRANCH FROM BUS 238654 TO BUS 239289 CKT 1	/ * 02DAV-BE 345.00 02HAYES 345.00
DISCONNECT BRANCH FROM BUS 238654 TO BUS 907060 CKT 1	/ * 02DAV-BE 345.00 X1-027A_AT12 345.00
END	
CONTINGENCY 'C5-TWL-CR041A'	/ * DAVIS BESSE-BEAVER + BEAVER-HAYES 345KV
DISCONNECT BRANCH FROM BUS 238569 TO BUS 239289 CKT 1	/ * 02BEAVER 345.00 02HAYES 345.00
DISCONNECT BRANCH FROM BUS 907060 TO BUS 238569 CKT 1	/ * X1-027A_AT12 345.00 02BEAVER 345.00
END	
CONTINGENCY 'C5-TWL-ER001B'	/ * HIGHLAND-HANNA & HIGHLAND-SAMMIS 345KV
DISCONNECT BRANCH FROM BUS 238796 TO BUS 238781 CKT 1F	/ * 02HGHLND 345.00 02HANNA 345.00
DISCONNECT BRANCH FROM BUS 238796 TO BUS 239092 CKT 1	/ * 02HGHLND 345.00 02SAMMIS 345.00
END	
CONTINGENCY 'C5-TWL-ER002A'	/ * HIGHLAND-MN & HIGHLAND-SAMMIS 345KV
DISCONNECT BRANCH FROM BUS 238796 TO BUS 238941 CKT 1	/ * 02HGHLND 345.00 02MANSFD 345.00
DISCONNECT BRANCH FROM BUS 238796 TO BUS 239092 CKT 1	/ * 02HGHLND 345.00 02SAMMIS 345.00
END	
CONTINGENCY 'C5-TWL-ER003A'	/ * HIGHLAND-MN & HIGHLAND-HANNA 345KV
DISCONNECT BRANCH FROM BUS 238796 TO BUS 238941 CKT 1	/ * 02HGHLND 345.00 02MANSFD 345.00
DISCONNECT BRANCH FROM BUS 238796 TO BUS 238781 CKT 1F	/ * 02HGHLND 345.00 02HANNA 345.00
END	
CONTINGENCY 'C5-TWL-ER004A'	/ * HOYTDAL-SEHANGO & HOYTDAL-MN 345KV238954
DISCONNECT BRANCH FROM BUS 238812 TO BUS 913040 CKT 1	/ * 02HOYTDL 345.00 Y1-015 TAP 345.00
DISCONNECT BRANCH FROM BUS 238812 TO BUS 238941 CKT 1	/ * 02HOYTDL 345.00 02MANSFD 345.00
END	
CONTINGENCY 'C5-TWL-ER05AA'	/ * SAMMIS-PIDGEON138 & HIGHLAND-G689-345KV
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239042 CKT 1	/ * 02SAMMIS 138.00 02PIDGON 138.00
DISCONNECT BRANCH FROM BUS 238796 TO BUS 239092 CKT 1	/ * 02HGHLND 345.00 02SAMMIS 345.00
END	
CONTINGENCY 'C5-TWL-ER006'	/ * MN-CHAMBERLIN & MN-HIGHLAND 345KV
DISCONNECT BRANCH FROM BUS 238941 TO BUS 238781 CKT 1	/ * 02MANSFD 345.00 02HANNA 345.00
DISCONNECT BRANCH FROM BUS 238941 TO BUS 238796 CKT 1	/ * 02MANSFD 345.00 02HGHLND 345.00
END	
CONTINGENCY 'C5-TWL-ER007'	/ * BLUEBELL-COMMERCE & BLUEBELL-BERLIN LAKE 138KV

DISCONNECT BRANCH FROM BUS 238575 TO BUS 239306 CKT 1	/*	02BLUBEL 138.00 02REPUBLICSM 138.00
DISCONNECT BRANCH FROM BUS 239306 TO BUS 238634 CKT 1	/*	02REPUBLICSM 138.00 02COMERC 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 239299 CKT 1	/*	02BLUBEL 138.00 02BRLAKE 138.00
DISCONNECT BRANCH FROM BUS 238797 TO BUS 238634 CKT 1	/*	02HGHLND 138.00 02COMERC 138.00
DISCONNECT BUS 238634	/*	02COMERC 138.00
END		
CONTINGENCY 'C5-TWL-ER008'	/*	HIGHLAND-COMMERCE & BERLIN LAKE-NILES 138KV
DISCONNECT BRANCH FROM BUS 238797 TO BUS 238634 CKT 1	/*	02HGHLND 138.00 02COMERC 138.00
DISCONNECT BRANCH FROM BUS 239299 TO BUS 239008 CKT 1	/*	02BRLAKE 138.00 02NILES 138.00
DISCONNECT BRANCH FROM BUS 238575 TO BUS 239306 CKT 1	/*	02BLUBEL 138.00 02REPUBLICSM 138.00
DISCONNECT BRANCH FROM BUS 239306 TO BUS 238634 CKT 1	/*	02REPUBLICSM 138.00 02COMERC 138.00
DISCONNECT BUS 238634	/*	02COMERC 138.00
END		
CONTINGENCY 'C5-TWL-ER009'	/*	GM-TOD & GM-NEWTON FALLS 138KV
DISCONNECT BUS 238759	/*	02GM WAR 138.00
END		
CONTINGENCY 'C5-TWL-ER010'	/*	HIGHLAND-EVERGREEN #1 & #2 138KV
DISCONNECT BRANCH FROM BUS 238797 TO BUS 238708 CKT 1	/*	02HGHLND 138.00 02EVRGRN 138.00
DISCONNECT BRANCH FROM BUS 238797 TO BUS 238708 CKT 2	/*	02HGHLND 138.00 02EVRGRN 138.00
END		
CONTINGENCY 'C5-TWL-ER011'	/*	NILES-BLUEBELL & NILES-EVERGREEN 138KV
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239299 CKT 1	/*	02NILES 138.00 02BRLAKE 138.00
DISCONNECT BRANCH FROM BUS 239008 TO BUS 238708 CKT 1	/*	02NILES 138.00 02EVRGRN 138.00
END		
CONTINGENCY 'C5-TWL-ER12C'	/*	SAMMIS-02HAGAN & SAMMIS-PIDGEON 138KV
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239372 CKT 1F	/*	02SAMMIS 138.00 02HAGAN 138.00
DISCONNECT BRANCH FROM BUS 239042 TO BUS 239093 CKT 1	/*	02PIDGON 138.00 02SAMMIS 138.00
END		
CONTINGENCY 'C5-TWL-ER013'	/*	LINCOLN PARK-ELWOOD & LINCOLN PARK-LOWELLVILLE 138KV
DISCONNECT BRANCH FROM BUS 238905 TO BUS 238696 CKT 1	/*	02LNC.PK 138.00 02ELWOD+ 138.00
DISCONNECT BRANCH FROM BUS 238905 TO BUS 238910 CKT 1	/*	02LNC.PK 138.00 02LOWELL 138.00
DISCONNECT BUS 238905	/*	02LNC.PK 138.00
END		
CONTINGENCY 'C5-TWL-ER014'	/*	LINCOLN PARK-LOWELLVILLE & SHENANGO-BOARDMAN 138KV
DISCONNECT BRANCH FROM BUS 239107 TO BUS 238927 CKT 1	/*	02SHNAGO 138.00 02LTV SL 138.00
DISCONNECT BRANCH FROM BUS 238905 TO BUS 238910 CKT 1	/*	02LNC.PK 138.00 02LOWELL 138.00
END		
CONTINGENCY 'C5-TWL-ER015'	/*	SHENANGO-MASURY & SHENANGO-BOARDMAN 138KV
DISCONNECT BRANCH FROM BUS 238944 TO BUS 239107 CKT 1	/*	02MASURY 138.00 02SHNAGO 138.00
DISCONNECT BRANCH FROM BUS 238927 TO BUS 239107 CKT 1	/*	02LTV SL 138.00 02SHNAGO 138.00
END		
CONTINGENCY 'C5-TWL-WR11-Z1'	/*	AJ-FULTON AND AJ-MIDWAY 345
DISCONNECT BRANCH FROM BUS 238530 TO BUS 238961 CKT 1	/*	02ALLEN 345.00 02MIDWAY 345.00
DISCONNECT BRANCH FROM BUS 238530 TO BUS 239018 CKT 1	/*	02ALLEN 345.00 02FULTON 345.00
END		
CONTINGENCY 'C5-TWL-WR11-Z2'	/*	FULTON-FIVE PTS AND AJ-MIDWAY 345
DISCONNECT BRANCH FROM BUS 238530 TO BUS 238961 CKT 1	/*	02ALLEN 345.00 02MIDWAY 345.00
DISCONNECT BRANCH FROM BUS 239018 TO BUS 239370 CKT 1	/*	02FULTON 345.00 02TOLEDO (FIVEPTS) 345.00
END		
CONTINGENCY 'C5-TWL-WR11-Z3'	/*	FULTON-FIVE PTS AND LEMOYNE-MIDWAY 345
DISCONNECT BRANCH FROM BUS 238889 TO BUS 238961 CKT 1	/*	02LEMOYN 345.00 02MIDWAY 345.00
DISCONNECT BRANCH FROM BUS 239018 TO BUS 239370 CKT 1	/*	02FULTON 345.00 02TOLEDO (FIVEPTS) 345.00
END		
CONTINGENCY 'C5-TWL-WR11-Z4'	/*	LEMOYNE-FIVE PTS AND LEMOYNE-MIDWAY 345
DISCONNECT BRANCH FROM BUS 238889 TO BUS 238961 CKT 1	/*	02LEMOYN 345.00 02MIDWAY 345.00
DISCONNECT BRANCH FROM BUS 238889 TO BUS 239370 CKT 1	/*	02LEMOYN 345.00 02TOLEDO (FIVEPTS) 345.00
END		
CONTINGENCY 'C5-TWL-ER017'	/*	BLUEBELL-PIDGEON & BLUEBELL-KNOX 138KV
DISCONNECT BRANCH FROM BUS 238575 TO BUS 238864 CKT 1	/*	02BLUBEL 138.00 02KNOX 138.00

```

DISCONNECT BRANCH FROM BUS 238575 TO BUS 239042 CKT 1      /* 02BLUBEL 138.00 02PIDGON 138.00
END
CONTINGENCY 'C5-TWL-ER018'                                  /* CROSSLAND - SHENANGO #1 & #2 138KV
DISCONNECT BRANCH FROM BUS 238642 TO BUS 239107 CKT 1      /* 02CRSLND 138.00 02SHNAGO 138.00
DISCONNECT BRANCH FROM BUS 238642 TO BUS 239107 CKT 2      /* 02CRSLND 138.00 02SHNAGO 138.00
END
CONTINGENCY 'C5-TWL-ER019'                                  /* SHENANGO-SHARON & SHENANGO-MCDOWELL 138KV
DISCONNECT BRANCH FROM BUS 239103 TO BUS 239107 CKT 1      /* 02SHARON 138.00 02SHNAGO 138.00
DISCONNECT BRANCH FROM BUS 238954 TO BUS 239107 CKT 1F     /* 02MCDOWL 138.00 02SHNAGO 138.00
DISCONNECT BUS 238954                                       /* 02MCDOWL 138.00
END
CONTINGENCY 'C5-TWL-ER020A'                                 /* HOYTDAL - N. CASTLE #1 & #2 138KV
DISCONNECT BRANCH FROM BUS 238991 TO BUS 238813 CKT 1F     /* 02NCASTL 138.00 02HOYTDL 138.00
DISCONNECT BRANCH FROM BUS 238991 TO BUS 238813 CKT 2F     /* 02NCASTL 138.00 02HOYTDL 138.00
END
CONTINGENCY 'C5-TWL-ER021'                                 /* HOYTDAL-MAPLE & HOYTDAL-PINE 138KV
DISCONNECT BRANCH FROM BUS 238813 TO BUS 238942 CKT 1      /* 02HOYTDL 138.00 02MAPLE 138.00
DISCONNECT BRANCH FROM BUS 238813 TO BUS 239281 CKT 1      /* 02HOYTDL 138.00 02CRNBRY 138.00
END
CONTINGENCY 'C5-TWL-ER022'                                 /* MAPLE-PINE & HOYTDAL-PINE 138KV
DISCONNECT BRANCH FROM BUS 239048 TO BUS 238700 CKT 1      /* 02PPPIE 138.00 02EPWRTH 138.00
DISCONNECT BRANCH FROM BUS 239048 TO BUS 238557 CKT 1      /* 02PPPIE 138.00 02B.M.F. 138.00
END
CONTINGENCY 'C5-TWL-ER023'                                 /* CRANBERRY-HOYTDAL & CRANBERRY-PINE (BMF) 138KV
DISCONNECT BRANCH FROM BUS 239281 TO BUS 238813 CKT 1      /* 02CRNBRY 138.00 02HOYTDL 138.00
DISCONNECT BRANCH FROM BUS 239281 TO BUS 238715 CKT 1      /* 02CRNBRY 138.00 02FERNWY 138.00
DISCONNECT BRANCH FROM BUS 238715 TO BUS 238557 CKT 1      /* 02FERNWY 138.00 02B.M.F. 138.00
REDUCE BUS 238715 LOAD BY 100 PERCENT                       /* 02FERNWY 138.00
END
CONTINGENCY 'C5-TWL-NR02A'                                 /* Q-2-AV-FW-X AND Q-3-AV-FW-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238552 TO BUS 238524 CKT 1      /* 02AVON 138.00 02AD Q-2 138.00
DISCONNECT BRANCH FROM BUS 238915 TO BUS 239728 CKT 1      /* 02LRN Q2 138.00 02BLKVR 138.00
DISCONNECT BRANCH FROM BUS 238648 TO BUS 238740 CKT 1      /* 02CY Q-2 138.00 02FWLSQ2 138.00
DISCONNECT BRANCH FROM BUS 238552 TO BUS 238646 CKT 1      /* 02AVON 138.00 02CW TP3 138.00
DISCONNECT BRANCH FROM BUS 238666 TO BUS 239255 CKT 3      /* 02DS Q-3 138.00 02DAWS-3 36.00
DISCONNECT BRANCH FROM BUS 238646 TO BUS 238741 CKT 1      /* 02CW TP3 138.00 02FWLSQ3 138.00
DISCONNECT BUS 238646                                       /* 02CW TP3 138.00
DISCONNECT BUS 238644                                       /* 02CW Q-3 138.00
DISCONNECT BUS 238672                                       /* 02DW Q-3 138.00
DISCONNECT BUS 238666                                       /* 02DS Q-3 138.00
DISCONNECT BUS 238524                                       /* 02AD Q-2 138.00
DISCONNECT BUS 238915                                       /* 02LRN Q2 138.00
DISCONNECT BUS 238648                                       /* 02CY Q-2 138.00
/*### MOVE 100 PERCENT LOAD FROM BUS 238648 TO BUS 238647
/*### MOVE SHUNT FROM BUS 238648 TO BUS 238647
/*### MOVE 100 PERCENT LOAD FROM BUS 238672 TO BUS 238671
/*### MOVE SHUNT FROM BUS 238672 TO BUS 238671
END
CONTINGENCY 'C5-TWL-NR003'                                 /* Q-4-AV-FW-X AND Q-14-AV-EY-X LINE OUTAGES
DISCONNECT BUS 238614                                       /* 02CFQ-14 138.00
DISCONNECT BUS 238702                                       /* 02ERQ-14 138.00
DISCONNECT BUS 238711                                       /* 02EYTP14 138.00
DISCONNECT BUS 238525                                       /* 02AD Q-4 138.00
DISCONNECT BUS 238916                                       /* 02LRN Q4 138.00
DISCONNECT BUS 238613                                       /* 02CF Q-4 138.00
DISCONNECT BUS 238657                                       /* 02DBQ-14 138.00
DISCONNECT BUS 238710                                       /* 02EYQ-14 138.00
SET BUS 238656 LOAD TO 32.2 MW                             /* 02DBQ-11 138.00
SET BUS 238710 LOAD TO 40.4 MW                             /* 02EYQ-14 138.00
END
CONTINGENCY 'C5-TWL-NR004'                                 /* Q-11-AV-FX-X AND Q-12-FW-FX-X LINE OUTAGES

```

DISCONNECT BUS 238701	/ * 02ERQ-11 138.00
DISCONNECT BUS 239251	/ * 02GEQUTZ 138.00
DISCONNECT BUS 239033	/ * 02PDBQ12 138.00
DISCONNECT BUS 238807	/ * 02HMLQ12 138.00
DISCONNECT BUS 238699	/ * 02ENQ-12 138.00
DISCONNECT BUS 238546	/ * 02ASQ-11 138.00
DISCONNECT BUS 239032	/ * 02PDBQ11 138.00
DISCONNECT BUS 238806	/ * 02HMLQ11 138.00
DISCONNECT BUS 238743	/ * 02FWQ-11 138.00
DISCONNECT BUS 238656	/ * 02DBQ-11 138.00
DISCONNECT BUS 238725	/ * 02FMQ12H 138.00
SET BUS 238541 LOAD TO 26.8 MW	/ * 02AS Q-1 138.00
SET BUS 238657 LOAD TO 32.2 MW	/ * 02DBQ-14 138.00
SET BUS 238809 LOAD TO 30.9 MW	/ * 02HMLQ14 138.00
END	
CONTINGENCY 'C5-TWL-NR005'	/ * Q-1-AV-FW-X AND Q-3-AV-FW-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238552 TO BUS 238645 CKT 1	/ * 02AVON 138.00 02CW TP1 138.00
DISCONNECT BRANCH FROM BUS 238647 TO BUS 238739 CKT 1	/ * 02CY Q-1 138.00 02FWLSQ1 138.00
DISCONNECT BRANCH FROM BUS 238552 TO BUS 238646 CKT 1	/ * 02AVON 138.00 02CW TP3 138.00
DISCONNECT BRANCH FROM BUS 238666 TO BUS 239255 CKT 3	/ * 02DS Q-3 138.00 02DAWS-3 36.00
DISCONNECT BRANCH FROM BUS 238646 TO BUS 238741 CKT 1	/ * 02CW TP3 138.00 02FWLSQ3 138.00
DISCONNECT BUS 238655	/ * 02DAWS-1 36.00
DISCONNECT BUS 239255	/ * 02DAWS-3 36.00
DISCONNECT BUS 238646	/ * 02CW TP3 138.00
DISCONNECT BUS 238644	/ * 02CW Q-3 138.00
DISCONNECT BUS 238672	/ * 02DW Q-3 138.00
DISCONNECT BUS 238666	/ * 02DS Q-3 138.00
DISCONNECT BUS 238671	/ * 02DW Q-1 138.00
DISCONNECT BUS 238665	/ * 02DS Q-1 138.00
DISCONNECT BUS 238643	/ * 02CW Q-1 138.00
DISCONNECT BUS 238645	/ * 02CW TP1 138.00
DISCONNECT BUS 238541	/ * 02AS Q-1 138.00
DISCONNECT BUS 238647	/ * 02CY Q-1 138.00
SET BUS 238546 LOAD TO 26.8 MW	/ * 02ASQ-11 138.00
END	
CONTINGENCY 'C5-TWL-NR006A'	/ * Q-23-LR-OEJ AND Q-24-LR-OEC LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238916 TO BUS 239314 CKT 1	/ * 02LRN Q4 138.00 02NATBRNZ 138.00
DISCONNECT BRANCH FROM BUS 239314 TO BUS 238608 CKT 1	/ * 02NATBRNZ 138.00 02CARLIL 138.00
DISCONNECT BUS 239314	/ * 02NATBRNZ 138.00
DISCONNECT BRANCH FROM BUS 238915 TO BUS 239728 CKT 1	/ * 02LRN Q2 138.00 02BLKVR 138.00
END	
CONTINGENCY 'C5-TWL-NR008'	/ * Q-13-FW-FX-X AND Q-14-EY-FX-X LINE OUTAGES
DISCONNECT BUS 238808	/ * 02HMLQ13 138.00
DISCONNECT BUS 238720	/ * 02FMCQ13 138.00
DISCONNECT BUS 238809	/ * 02HMLQ14 138.00
DISCONNECT BUS 238775	/ * 02GXQ-14 138.00
DISCONNECT BUS 238726	/ * 02FMQ13H 138.00
SET BUS 238710 LOAD TO 40.4 MW	/ * 02EYQ-14 138.00
SET BUS 238807 LOAD TO 30.9 MW	/ * 02HMLQ12 138.00
END	
CONTINGENCY 'C5-TWL-NR010'	/ * Q-15-FW-G AND Q-16-FW-G LINE OUTAGES
DISCONNECT BUS 238663	/ * 02DLQ-15 138.00
DISCONNECT BUS 238661	/ * 02DKQ-16 138.00
SET BUS 238985 LOAD TO 26.8 MW	/ * 02NASQ18 138.00
END	
CONTINGENCY 'C5-TWL-NR011'	/ * Q-17-FW-G AND Q-18-FW-G LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238740 TO BUS 238662 CKT 1	/ * 02FWLSQ2 138.00 02DKQ-17 138.00
DISCONNECT BRANCH FROM BUS 238705 TO BUS 238721 CKT 1	/ * 02ET Q-2 138.00 02FMCQ17 138.00
DISCONNECT BRANCH FROM BUS 238597 TO BUS 238984 CKT 1	/ * 02CADQ17 138.00 02NASQ17 138.00
DISCONNECT BRANCH FROM BUS 238742 TO BUS 238598 CKT 1	/ * 02FWLSQ4 138.00 02CADQ18 138.00
DISCONNECT BRANCH FROM BUS 238704 TO BUS 238722 CKT 1	/ * 02ET Q-1 138.00 02FMCQ18 138.00

DISCONNECT BRANCH FROM BUS 238598 TO BUS 238985 CKT 1	/* 02CADQ18 138.00 02NASQ18 138.00
DISCONNECT BUS 238596	/* 02CADQ-1 138.00
DISCONNECT BUS 238704	/* 02ET Q-1 138.00
DISCONNECT BUS 238598	/* 02CADQ18 138.00
DISCONNECT BUS 238705	/* 02ET Q-2 138.00
DISCONNECT BUS 238599	/* 02CADQ-2 138.00
DISCONNECT BUS 238597	/* 02CADQ17 138.00
DISCONNECT BUS 238662	/* 02DKQ-17 138.00
DISCONNECT BUS 238985	/* 02NASQ18 138.00
DISCONNECT BUS 238721	/* 02FMCQ17 138.00
DISCONNECT BUS 238722	/* 02FMCQ18 138.00
SET BUS 238663 LOAD TO 26.8 MW	/* 02DLQ-15 138.00
END	
CONTINGENCY 'C5-TWL-NR012'	/* Q-11-FX-CL-X AND Q-12-FX-CL-X LINE OUTAGE
DISCONNECT BRANCH FROM BUS 238732 TO BUS 238619 CKT 1	/* 02FOXQ11 138.00 02CL Q11 138.00
DISCONNECT BRANCH FROM BUS 238732 TO BUS 238731 CKT 2	/* 02FOXQ11 138.00 02FOX 345.00
DISCONNECT BRANCH FROM BUS 238732 TO BUS 239032 CKT 1	/* 02FOXQ11 138.00 02PDBQ11 138.00
DISCONNECT BRANCH FROM BUS 238619 TO BUS 238770 CKT 1	/* 02CL Q11 138.00 02GRVW12 36.00
DISCONNECT BRANCH FROM BUS 238619 TO BUS 238627 CKT 1	/* 02CL Q11 138.00 02CLINTO 11.50
DISCONNECT BRANCH FROM BUS 238733 TO BUS 238620 CKT 1	/* 02FOXQ12 138.00 02CL Q12 138.00
DISCONNECT BRANCH FROM BUS 238733 TO BUS 238731 CKT 5	/* 02FOXQ12 138.00 02FOX 345.00
DISCONNECT BRANCH FROM BUS 238733 TO BUS 239033 CKT 1	/* 02FOXQ12 138.00 02PDBQ12 138.00
DISCONNECT BRANCH FROM BUS 238620 TO BUS 239296 CKT 1	/* 02CL Q12 138.00 02CPRPDG 138.00
DISCONNECT BRANCH FROM BUS 238620 TO BUS 238627 CKT 2	/* 02CL Q12 138.00 02CLINTO 11.50
DISCONNECT BUS 238732	/* 02FOXQ11 138.00
DISCONNECT BUS 238619	/* 02CL Q11 138.00
DISCONNECT BUS 238733	/* 02FOXQ12 138.00
DISCONNECT BUS 238620	/* 02CL Q12 138.00
END	
CONTINGENCY 'C5-TWL-NR013'	/* Q-13-FX-CL-X AND Q-14-FX_CL-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238734 TO BUS 238621 CKT 1	/* 02FOXQ13 138.00 02CL Q13 138.00
DISCONNECT BRANCH FROM BUS 238734 TO BUS 238731 CKT 3	/* 02FOXQ13 138.00 02FOX 345.00
DISCONNECT BRANCH FROM BUS 238621 TO BUS 239256 CKT 3	/* 02CL Q13 138.00 02GRVW-3 36.00
DISCONNECT BRANCH FROM BUS 238621 TO BUS 238627 CKT 3	/* 02CL Q13 138.00 02CLINTO 11.50
DISCONNECT BRANCH FROM BUS 238735 TO BUS 238622 CKT 1	/* 02FOXQ14 138.00 02CL Q14 138.00
DISCONNECT BRANCH FROM BUS 238735 TO BUS 238731 CKT 4	/* 02FOXQ14 138.00 02FOX 345.00
DISCONNECT BRANCH FROM BUS 238735 TO BUS 238809 CKT 1	/* 02FOXQ14 138.00 02HMLQ14 138.00
DISCONNECT BRANCH FROM BUS 238622 TO BUS 239257 CKT 4	/* 02CL Q14 138.00 02GRVW-4 36.00
DISCONNECT BUS 238735	/* 02FOXQ14 138.00
DISCONNECT BUS 238621	/* 02CL Q13 138.00
DISCONNECT BUS 238622	/* 02CL Q14 138.00
REDUCE BUS 238734 SHUNT BY 100 PERCENT	/* 02FOXQ13 138.00
END	
CONTINGENCY 'C5-TWL-NR014'	/* Q-1-FW-PV-X AND Q-2-FW-PV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238739 TO BUS 238713 CKT 1	/* 02FWLSQ1 138.00 02FB Q-1 138.00
DISCONNECT BRANCH FROM BUS 239049 TO BUS 238713 CKT 1	/* 02PV Q1 138.00 02FB Q-1 138.00
DISCONNECT BRANCH FROM BUS 238740 TO BUS 239050 CKT 1	/* 02FWLSQ2 138.00 02PV Q2 138.00
DISCONNECT BRANCH FROM BUS 238740 TO BUS 238648 CKT 1	/* 02FWLSQ2 138.00 02CY Q-2 138.00
DISCONNECT BRANCH FROM BUS 238740 TO BUS 238662 CKT 1	/* 02FWLSQ2 138.00 02DKQ-17 138.00
DISCONNECT BRANCH FROM BUS 238705 TO BUS 238721 CKT 1	/* 02ET Q-2 138.00 02FMCQ17 138.00
DISCONNECT BUS 238721	/* 02FMCQ17 138.00
DISCONNECT BUS 238740	/* 02FWLSQ2 138.00
END	
CONTINGENCY 'C5-TWL-NR015'	/* Q-3-FW-PV-X AND Q-4-FW-PV-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238741 TO BUS 238714 CKT 1	/* 02FWLSQ3 138.00 02FB Q-3 138.00
DISCONNECT BRANCH FROM BUS 239051 TO BUS 238762 CKT 1	/* 02PV Q3 138.00 02GR Q-3 138.00
DISCONNECT BRANCH FROM BUS 238742 TO BUS 238763 CKT 1	/* 02FWLSQ4 138.00 02GR Q-4 138.00
DISCONNECT BRANCH FROM BUS 238742 TO BUS 238613 CKT 1	/* 02FWLSQ4 138.00 02CF Q-4 138.00
DISCONNECT BRANCH FROM BUS 238742 TO BUS 238598 CKT 1	/* 02FWLSQ4 138.00 02CADQ18 138.00
DISCONNECT BRANCH FROM BUS 238704 TO BUS 238722 CKT 1	/* 02ET Q-1 138.00 02FMCQ18 138.00
DISCONNECT BUS 238762	/* 02GR Q-3 138.00

```

DISCONNECT BUS 238763          /* 02GR Q-4 138.00
DISCONNECT BUS 238714          /* 02FB Q-3 138.00
DISCONNECT BUS 238742          /* 02FWLSQ4 138.00
DISCONNECT BUS 238722          /* 02FMCQ18 138.00
/*### MOVE 100 PERCENT LOAD FROM BUS 238714 TO BUS 238713
/*### MOVE SHUNT FROM BUS 238714 TO BUS 238713
END
CONTINGENCY 'C5-TWL-NR017'          /* Q-11-PV-HD-X AND Q-12-PV-HD-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239049 TO BUS 238818 CKT 1          /* 02PV Q1 138.00 02ILQ-11 138.00
DISCONNECT BRANCH FROM BUS 238771 TO BUS 238765 CKT 1          /* 02GTQ-11 138.00 02GRANT 11.50
DISCONNECT BRANCH FROM BUS 238771 TO BUS 238792 CKT 1          /* 02GTQ-11 138.00 02HDGQ11 138.00
DISCONNECT BRANCH FROM BUS 238772 TO BUS 238765 CKT 2          /* 02GTQ-12 138.00 02GRANT 11.50
DISCONNECT BRANCH FROM BUS 238793 TO BUS 238783 CKT 2          /* 02HDGQ12 138.00 02HARDIN 345.00
DISCONNECT BRANCH FROM BUS 238793 TO BUS 238754 CKT 1          /* 02HDGQ12 138.00 02GFQ-12 138.00
DISCONNECT BUS 238818          /* 02ILQ-11 138.00
DISCONNECT BUS 239118          /* 02SSPQ11 138.00
DISCONNECT BUS 238771          /* 02GTQ-11 138.00
DISCONNECT BUS 238819          /* 02ILQ-12 138.00
DISCONNECT BUS 238772          /* 02GTQ-12 138.00
DISCONNECT BUS 238793          /* 02HDGQ12 138.00
END
CONTINGENCY 'C5-TWL-NR018'          /* Q-13-PV-HD-X AND Q-14-PV-HD-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239051 TO BUS 238820 CKT 1          /* 02PV Q3 138.00 02ILQ-13 138.00
DISCONNECT BRANCH FROM BUS 238773 TO BUS 238765 CKT 3          /* 02GTQ-13 138.00 02GRANT 11.50
DISCONNECT BRANCH FROM BUS 238794 TO BUS 238783 CKT 3          /* 02HDGQ13 138.00 02HARDIN 345.00
DISCONNECT BRANCH FROM BUS 238794 TO BUS 238923 CKT 1          /* 02HDGQ13 138.00 02LTEQ13 138.00
DISCONNECT BRANCH FROM BUS 239052 TO BUS 238791 CKT 1          /* 02PV Q4 138.00 02HCQ-14 138.00
DISCONNECT BRANCH FROM BUS 238774 TO BUS 238765 CKT 4          /* 02GTQ-14 138.00 02GRANT 11.50
DISCONNECT BRANCH FROM BUS 238774 TO BUS 238795 CKT 1          /* 02GTQ-14 138.00 02HDGQ14 138.00
DISCONNECT BUS 238820          /* 02ILQ-13 138.00
DISCONNECT BUS 238790          /* 02HCQ-13 138.00
DISCONNECT BUS 239119          /* 02SSPQ13 138.00
DISCONNECT BUS 238773          /* 02GTQ-13 138.00
DISCONNECT BUS 238794          /* 02HDGQ13 138.00
DISCONNECT BUS 238774          /* 02GTQ-14 138.00
DISCONNECT BUS 238791          /* 02HCQ-14 138.00
END
CONTINGENCY 'C5-TWL-NR019B'          /* Q-11-HD-JG-X AND Q-12-HD-JG-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238792 TO BUS 238771 CKT 1          /* 02HDGQ11 138.00 02GTQ-11 138.00
DISCONNECT BRANCH FROM BUS 238921 TO BUS 238920 CKT 4          /* 02LTEQ11 138.00 02LTE 11.50
DISCONNECT BRANCH FROM BUS 238921 TO BUS 239226 CKT 1          /* 02LTEQ11 138.00 02STYDCOQ11 138.00
DISCONNECT BRANCH FROM BUS 239226 TO BUS 238834 CKT ZL          /* 02STYDCOQ11 138.00 02JGSQ11 138.00
DISCONNECT BRANCH FROM BUS 238793 TO BUS 238754 CKT 1          /* 02HDGQ12 138.00 02GFQ-12 138.00
DISCONNECT BRANCH FROM BUS 238922 TO BUS 239225 CKT 1          /* 02LTEQ12 138.00 02STYDCO 138.00
DISCONNECT BRANCH FROM BUS 239225 TO BUS 238835 CKT ZL          /* 02STYDCO 138.00 02JGSQ12 138.00
DISCONNECT BUS 238792          /* 02HDGQ11 138.00
DISCONNECT BUS 238753          /* 02GFQ-11 138.00
DISCONNECT BUS 238752          /* 02GF Q-1 138.00
DISCONNECT BUS 238921          /* 02LTEQ11 138.00
DISCONNECT BUS 238922          /* 02LTEQ12 138.00
DISCONNECT BUS 239225          /* 02STYDCO 138.00
DISCONNECT BUS 238754          /* 02GFQ-12 138.00
DISCONNECT BUS 238755          /* 02GFQ-2 138.00
END
CONTINGENCY 'C5-TWL-NR020A'          /* Q-13-HD-JG-X AND Q-14-HD-JG-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238794 TO BUS 238923 CKT 1          /* 02HDGQ13 138.00 02LTEQ13 138.00
DISCONNECT BRANCH FROM BUS 238923 TO BUS 238920 CKT 3          /* 02LTEQ13 138.00 02LTE 11.50
DISCONNECT BRANCH FROM BUS 238923 TO BUS 238920 CKT 2          /* 02LTEQ13 138.00 02LTE 11.50
DISCONNECT BRANCH FROM BUS 238836 TO BUS 238625 CKT 1          /* 02JGSQ13 138.00 02CLARK 11.50
DISCONNECT BRANCH FROM BUS 238923 TO BUS 238836 CKT 1          /* 02LTEQ13 138.00 02JGSQ13 138.00
DISCONNECT BRANCH FROM BUS 238795 TO BUS 238774 CKT 1          /* 02HDGQ14 138.00 02GTQ-14 138.00

```

DISCONNECT BRANCH FROM BUS 238795 TO BUS 238783 CKT 4F	/* 02HDGQ14 138.00 02HARDIN 345.00
DISCONNECT BRANCH FROM BUS 238924 TO BUS 238837 CKT 1	/* 02LTEQ14 138.00 02JGSQ14 138.00
DISCONNECT BUS 238923	/* 02LTEQ13 138.00
DISCONNECT BUS 238795	/* 02HDGQ14 138.00
DISCONNECT BUS 238924	/* 02LTEQ14 138.00
END	
CONTINGENCY 'C5-TWL-NR021'	/* Q-1-HO-JG-X AND Q-2-HO-JG-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238836 TO BUS 238538 CKT 1	/* 02JGSQ13 138.00 02APRQ-1 138.00
DISCONNECT BRANCH FROM BUS 238538 TO BUS 238536 CKT 2	/* 02APRQ-1 138.00 02APR-1 11.50
DISCONNECT BRANCH FROM BUS 238538 TO BUS 238537 CKT 2	/* 02APRQ-1 138.00 02APR-2 11.50
DISCONNECT BRANCH FROM BUS 238538 TO BUS 238810 CKT 1	/* 02APRQ-1 138.00 02HO Q-1 138.00
DISCONNECT BRANCH FROM BUS 238834 TO BUS 238535 CKT 1	/* 02JGSQ11 138.00 02APQ-2 138.00
DISCONNECT BRANCH FROM BUS 238535 TO BUS 238536 CKT 1	/* 02APQ-2 138.00 02APR-1 11.50
DISCONNECT BRANCH FROM BUS 238535 TO BUS 238537 CKT 1	/* 02APQ-2 138.00 02APR-2 11.50
DISCONNECT BRANCH FROM BUS 238535 TO BUS 238811 CKT 1	/* 02APQ-2 138.00 02HO Q-2 138.00
DISCONNECT BUS 238538	/* 02APRQ-1 138.00
DISCONNECT BUS 238535	/* 02APQ-2 138.00
DISCONNECT BUS 238536	/* 02APR-1 11.50
DISCONNECT BUS 238537	/* 02APR-2 11.50
END	
CONTINGENCY 'C5-TWL-NR022'	/* Q-1-HL-HO AND Q-2-HL-HO LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238810 TO BUS 238788 CKT 1	/* 02HO Q-1 138.00 02HAZLQ1 138.00
DISCONNECT BRANCH FROM BUS 238800 TO BUS 238788 CKT 1	/* 02HL Q-1 138.00 02HAZLQ1 138.00
DISCONNECT BRANCH FROM BUS 238811 TO BUS 238789 CKT 1	/* 02HO Q-2 138.00 02HAZLQ2 138.00
DISCONNECT BRANCH FROM BUS 238801 TO BUS 238789 CKT 1	/* 02HL Q-2 138.00 02HAZLQ2 138.00
DISCONNECT BUS 238779	/* 02HAML-1 11.50
DISCONNECT BUS 238780	/* 02HAML-2 11.50
DISCONNECT BUS 238800	/* 02HL Q-1 138.00
DISCONNECT BUS 238801	/* 02HL Q-2 138.00
END	
CONTINGENCY 'C5-TWL-NR023'	/* Q-1-LS-HL AND Q-2-LS-HL LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238800 TO BUS 238903 CKT 1	/* 02HL Q-1 138.00 02LKSHOR 138.00
DISCONNECT BRANCH FROM BUS 238801 TO BUS 238903 CKT 1	/* 02HL Q-2 138.00 02LKSHOR 138.00
END	
CONTINGENCY 'C5-TWL-NR024'	/* Q-1-JR-PV AND Q-2-JR-PV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239049 TO BUS 239273 CKT 1	/* 02PV Q1 138.00 02JY Q-1 138.00
DISCONNECT BRANCH FROM BUS 239273 TO BUS 238840 CKT 1	/* 02JY Q-1 138.00 02JNPRQ1 138.00
DISCONNECT BRANCH FROM BUS 239050 TO BUS 238841 CKT 1	/* 02PV Q2 138.00 02JNPRQ2 138.00
END	
CONTINGENCY 'C5-TWL-NR025'	/* Q-3-JR-PV AND Q-4-JR-PV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239051 TO BUS 238842 CKT 1	/* 02PV Q3 138.00 02JNPRQ3 138.00
DISCONNECT BRANCH FROM BUS 239052 TO BUS 238843 CKT 1	/* 02PV Q4 138.00 02JNPRQ4 138.00
END	
CONTINGENCY 'C5-TWL-NR026'	/* Q-15-JR-JG-X AND Q-16-JR-JG-X LINE OUTAGES
DISCONNECT BUS 238880	/* 02LDEQ15 138.00
DISCONNECT BUS 238815	/* 02IKQ-15 138.00
DISCONNECT BUS 238925	/* 02LTL 36.00
DISCONNECT BUS 239210	/* 02IOQ-16 138.00
DISCONNECT BUS 238830	/* 02IWQ-16 138.00
DISCONNECT BUS 238881	/* 02LDEQ16 138.00
SET BUS 238831 LOAD TO 32.8 MW	/* 02IWQ-17 138.00
END	
CONTINGENCY 'C5-TWL-NR027'	/* Q-15-JR-JG-X AND Q-18-JR-NB-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238837 TO BUS 238880 CKT 1	/* 02JGSQ14 138.00 02LDEQ15 138.00
DISCONNECT BRANCH FROM BUS 238880 TO BUS 238625 CKT 3	/* 02LDEQ15 138.00 02CLARK 11.50
DISCONNECT BRANCH FROM BUS 238841 TO BUS 238815 CKT 1	/* 02JNPRQ2 138.00 02IKQ-15 138.00
DISCONNECT BRANCH FROM BUS 238840 TO BUS 238817 CKT 1	/* 02JNPRQ1 138.00 02IKQ-18 138.00
DISCONNECT BRANCH FROM BUS 238990 TO BUS 238988 CKT 8	/* 02NB Q18 138.00 02NB N4 69.00
DISCONNECT BRANCH FROM BUS 238990 TO BUS 238829 CKT 1	/* 02NB Q18 138.00 02IVYQ14 138.00
DISCONNECT BUS 238990	/* 02NB Q18 138.00
DISCONNECT BUS 238817	/* 02IKQ-18 138.00

DISCONNECT BUS 238880	/ * 02LDEQ15 138.00
DISCONNECT BUS 238925	/ * 02LTL 36.00
DISCONNECT BUS 238815	/ * 02IKQ-15 138.00
DISCONNECT BUS 238625	/ * 02CLARK 11.50
END	
CONTINGENCY 'C5-TWL-NR028'	/ * Q-16-JR-JG-X AND Q-17-JR-NB-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238835 TO BUS 238881 CKT 1	/ * 02JGSQ12 138.00 02LDEQ16 138.00
DISCONNECT BRANCH FROM BUS 238843 TO BUS 238830 CKT 1	/ * 02JNPRQ4 138.00 02IWQ-16 138.00
DISCONNECT BRANCH FROM BUS 238842 TO BUS 238831 CKT 1	/ * 02JNPRQ3 138.00 02IWQ-17 138.00
DISCONNECT BRANCH FROM BUS 238989 TO BUS 238987 CKT 7	/ * 02NB Q17 138.00 02NB N3 69.00
DISCONNECT BRANCH FROM BUS 238989 TO BUS 238828 CKT 1	/ * 02NB Q17 138.00 02IVYQ11 138.00
DISCONNECT BUS 238881	/ * 02LDEQ16 138.00
DISCONNECT BUS 238816	/ * 02IKQ-16 138.00
DISCONNECT BUS 238830	/ * 02IWQ-16 138.00
DISCONNECT BUS 238831	/ * 02IWQ-17 138.00
DISCONNECT BUS 238989	/ * 02NB Q17 138.00
DISCONNECT BUS 239211	/ * 02IOQ-17 138.00
DISCONNECT BUS 239210	/ * 02IOQ-16 138.00
END	
CONTINGENCY 'C5-TWL-NR029'	/ * Q-17-JR-NB-X AND Q-18-JR-NB-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238842 TO BUS 238831 CKT 1	/ * 02JNPRQ3 138.00 02IWQ-17 138.00
DISCONNECT BRANCH FROM BUS 238989 TO BUS 238987 CKT 7	/ * 02NB Q17 138.00 02NB N3 69.00
DISCONNECT BRANCH FROM BUS 238989 TO BUS 238828 CKT 1	/ * 02NB Q17 138.00 02IVYQ11 138.00
DISCONNECT BRANCH FROM BUS 238840 TO BUS 238817 CKT 1	/ * 02JNPRQ1 138.00 02IKQ-18 138.00
DISCONNECT BRANCH FROM BUS 238990 TO BUS 238988 CKT 8	/ * 02NB Q18 138.00 02NB N4 69.00
DISCONNECT BRANCH FROM BUS 238990 TO BUS 238829 CKT 1	/ * 02NB Q18 138.00 02IVYQ14 138.00
DISCONNECT BUS 238831	/ * 02IWQ-17 138.00
DISCONNECT BUS 238989	/ * 02NB Q17 138.00
DISCONNECT BUS 238990	/ * 02NB Q18 138.00
DISCONNECT BUS 238817	/ * 02IKQ-18 138.00
DISCONNECT BUS 238988	/ * 02NB N4 69.00
DISCONNECT BUS 239021	/ * 02NWBURG 11.50
DISCONNECT BUS 238987	/ * 02NB N3 69.00
DISCONNECT BUS 239211	/ * 02IOQ-17 138.00
/ * ### MOVE 100 PERCENT LOAD FROM BUS 238817 TO BUS 238815	
/ * ### MOVE SHUNT FROM BUS 238817 TO BUS 238815	
SET BUS 238830 LOAD TO 32.8 MW	/ * 02IWQ-16 138.00
END	
CONTINGENCY 'C5-TWL-NR030A'	/ * Q-11-IN-IV AND Q-14-IN-IV LINE OUTAGES
DISCONNECT BUS 238829	/ * 02IVYQ14 138.00
DISCONNECT BUS 238828	/ * 02IVYQ11 138.00
END	
CONTINGENCY 'C5-TWL-NR031A'	/ * Q-11-JD-CH AND Q-14-JD-CH LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238848 TO BUS 239324 CKT 1	/ * 02JRDQ11 138.00 02CH 138.00
DISCONNECT BRANCH FROM BUS 238849 TO BUS 239324 CKT 1	/ * 02JRDQ14 138.00 02CH 138.00
END	
CONTINGENCY 'C5-TWL-NR031C'	/ * Q-11-CH-IN AND Q-14-CH-IN LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238822 TO BUS 239324 CKT 1F	/ * 02INQ-11 138.00 02CH 138.00
DISCONNECT BRANCH FROM BUS 238823 TO BUS 239324 CKT 1	/ * 02INQ-14 138.00 02CH 138.00
END	
CONTINGENCY 'C5-TWL-NR032'	/ * Q-11-NG-JD-X AND Q-14-EL-JD-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238848 TO BUS 238838 CKT 1	/ * 02JRDQ11 138.00 02JIQ-11 138.00
DISCONNECT BRANCH FROM BUS 239005 TO BUS 238838 CKT 1	/ * 02NHTQ11 138.00 02JIQ-11 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238951 CKT 1	/ * 02EASTLK 138.00 02MBQ-14 138.00
DISCONNECT BRANCH FROM BUS 238931 TO BUS 238933 CKT 4	/ * 02LYD-2 36.00 02LYDQ14 138.00
DISCONNECT BRANCH FROM BUS 238849 TO BUS 238839 CKT 1	/ * 02JRDQ14 138.00 02JIQ-14 138.00
DISCONNECT BUS 238951	/ * 02MBQ-14 138.00
DISCONNECT BUS 238933	/ * 02LYDQ14 138.00
DISCONNECT BUS 238860	/ * 02KIQ-14 138.00
DISCONNECT BUS 238839	/ * 02JIQ-14 138.00
DISCONNECT BUS 238838	/ * 02JIQ-11 138.00

```

END
CONTINGENCY 'C5-TWL-NR033'                /* Q-1-NF-JR AND Q-2-NF-JR LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239001 TO BUS 238840 CKT 1      /* 02NFLDQ1 138.00 02JNPRQ1 138.00
DISCONNECT BRANCH FROM BUS 239012 TO BUS 239001 CKT 1      /* 02NRTF-A 36.00 02NFLDQ1 138.00
DISCONNECT BRANCH FROM BUS 238841 TO BUS 239050 CKT 1      /* 02JNPRQ2 138.00 02PV Q2 138.00
DISCONNECT BRANCH FROM BUS 238841 TO BUS 238815 CKT 1      /* 02JNPRQ2 138.00 02IKQ-15 138.00
DISCONNECT BRANCH FROM BUS 238841 TO BUS 239002 CKT 1      /* 02JNPRQ2 138.00 02NFLDQ2 138.00
END
CONTINGENCY 'C5-TWL-NR034'                /* Q-3-NF-JR AND Q-4-NF-JR LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239003 TO BUS 238842 CKT 1      /* 02NFLDQ3 138.00 02JNPRQ3 138.00
DISCONNECT BRANCH FROM BUS 239012 TO BUS 239003 CKT 3      /* 02NRTF-A 36.00 02NFLDQ3 138.00
DISCONNECT BRANCH FROM BUS 238843 TO BUS 239052 CKT 1      /* 02JNPRQ4 138.00 02PV Q4 138.00
DISCONNECT BRANCH FROM BUS 238843 TO BUS 238830 CKT 1      /* 02JNPRQ4 138.00 02IWQ-16 138.00
DISCONNECT BRANCH FROM BUS 238843 TO BUS 239004 CKT 1      /* 02JNPRQ4 138.00 02NFLDQ4 138.00
DISCONNECT BRANCH FROM BUS 238843 TO BUS 238850 CKT 3F      /* 02JNPRQ4 138.00 02JUNIP 345.00
END
CONTINGENCY 'C5-TWL-NR035'                /* Q-1-MF-NF-X AND Q-2-MF-NF-X LINE OUTAGES
DISCONNECT BUS 238893                /* 02LF Q-2 138.00
DISCONNECT BUS 239020                /* 02NW Q-2 138.00
DISCONNECT BUS 238853                /* 02KDTPQ1 138.00
DISCONNECT BUS 238882                /* 02LE Q-1 138.00
DISCONNECT BUS 238851                /* 02KD Q-1 138.00
DISCONNECT BUS 238857                /* 02KHTPQ1 138.00
REDUCE BUS 238956 LOAD BY 100 PERCENT      /* 02MFLDQ1 138.00
SET BUS 238856 LOAD TO 31.3 MW            /* 02KHQ-1A 138.00
SET BUS 238852 LOAD TO 39.1 MW            /* 02KDQ-1A 138.00
SET BUS 238883 LOAD TO 33.9 MW            /* 02LEQ-1A 138.00
END
CONTINGENCY 'C5-TWL-NR036'                /* Q-1-MF-NF-X AND Q-3-MF-NF-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239001 TO BUS 238853 CKT 1      /* 02NFLDQ1 138.00 02KDTPQ1 138.00
DISCONNECT BRANCH FROM BUS 238853 TO BUS 238956 CKT 1      /* 02KDTPQ1 138.00 02MFLDQ1 138.00
DISCONNECT BRANCH FROM BUS 239003 TO BUS 238854 CKT 1      /* 02NFLDQ3 138.00 02KDTPQ3 138.00
DISCONNECT BRANCH FROM BUS 238958 TO BUS 238854 CKT 1      /* 02MFLDQ3 138.00 02KDTPQ3 138.00
DISCONNECT BUS 238855                /* 02KH Q-1 138.00
DISCONNECT BUS 238857                /* 02KHTPQ1 138.00
DISCONNECT BUS 238851                /* 02KD Q-1 138.00
DISCONNECT BUS 238862                /* 02KL Q-1 138.00
DISCONNECT BUS 238882                /* 02LE Q-1 138.00
DISCONNECT BUS 238853                /* 02KDTPQ1 138.00
DISCONNECT BUS 238854                /* 02KDTPQ3 138.00
DISCONNECT BUS 238883                /* 02LEQ-1A 138.00
DISCONNECT BUS 238852                /* 02KDQ-1A 138.00
DISCONNECT BUS 238858                /* 02KHTQ1A 138.00
DISCONNECT BUS 238863                /* 02KLQ-1A 138.00
DISCONNECT BUS 238856                /* 02KHQ-1A 138.00
REDUCE BUS 238956 LOAD BY 100 PERCENT      /* 02MFLDQ1 138.00
END
CONTINGENCY 'C5-TWL-NR037'                /* Q-3-MF-NF-X AND Q-4-MF-NF-X LINE OUTAGES
DISCONNECT BUS 238973                /* 02MX Q-4 138.00
DISCONNECT BUS 238894                /* 02LF Q-4 138.00
DISCONNECT BUS 238854                /* 02KDTPQ3 138.00
DISCONNECT BUS 238883                /* 02LEQ-1A 138.00
DISCONNECT BUS 238852                /* 02KDQ-1A 138.00
DISCONNECT BUS 238858                /* 02KHTQ1A 138.00
SET BUS 238855 LOAD TO 31.3 MW            /* 02KH Q-1 138.00
SET BUS 238851 LOAD TO 39.1 MW            /* 02KD Q-1 138.00
SET BUS 238882 LOAD TO 33.9 MW            /* 02LE Q-1 138.00
END
CONTINGENCY 'C5-TWL-NR038'                /* Q-11-EL-NG-X AND Q-12-EL-LY-X LINE OUTAGES
DISCONNECT BUS 238869                /* 02KY Q-1 138.00
DISCONNECT BUS 238867                /* 02KPQ-12 138.00

```

DISCONNECT BUS 238876	/ * 02LAQ-12 138.00
DISCONNECT BUS 238878	/ * 02LB Q12 138.00
DISCONNECT BUS 238904	/ * 02LMQ-11 138.00
DISCONNECT BUS 238934	/ * 02LYQ-12 138.00
DISCONNECT BUS 238859	/ * 02KIQ-11 138.00
SET BUS 238870 LOAD TO 37.5 MW	/ * 02KYQ-1A 138.00
SET BUS 238868 LOAD TO 37.5 MW	/ * 02KPQ-13 138.00
SET BUS 238877 LOAD TO 38.7 MW	/ * 02LAQ-13 138.00
END	
CONTINGENCY 'C5-TWL-NR039'	/ * Q-11-EL-NG-X AND Q-14-EL-JD-X LINE OUTAGES
DISCONNECT BUS 238839	/ * 02JIQ-14 138.00
DISCONNECT BUS 238860	/ * 02KIQ-14 138.00
DISCONNECT BUS 238933	/ * 02LYDQ14 138.00
DISCONNECT BUS 238951	/ * 02MBQ-14 138.00
DISCONNECT BUS 238904	/ * 02LMQ-11 138.00
DISCONNECT BUS 238859	/ * 02KIQ-11 138.00
SET BUS 238878 LOAD TO 45 MW	/ * 02LB Q12 138.00
SET BUS 238950 LOAD TO 30.9 MW	/ * 02MBQ-13 138.00
END	
CONTINGENCY 'C5-TWL-NR040A'	/ * Q-12-EL-LY-X AND Q-13-EL-LY-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238878 CKT 1F	/ * 02EASTLK 138.00 02LB Q12 138.00
DISCONNECT BRANCH FROM BUS 238878 TO BUS 238934 CKT 1	/ * 02LB Q12 138.00 02LYQ-12 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238950 CKT 1F	/ * 02EASTLK 138.00 02MBQ-13 138.00
DISCONNECT BRANCH FROM BUS 238930 TO BUS 238935 CKT 3	/ * 02LYD-3 36.00 02LYQ-13 138.00
DISCONNECT BUS 238930	/ * 02LYD-3 36.00
DISCONNECT BUS 238869	/ * 02KY Q-1 138.00
DISCONNECT BUS 238867	/ * 02KPQ-12 138.00
DISCONNECT BUS 238898	/ * 02LJQ-12 138.00
DISCONNECT BUS 238876	/ * 02LAQ-12 138.00
DISCONNECT BUS 238878	/ * 02LB Q12 138.00
DISCONNECT BUS 238870	/ * 02KYQ-1A 138.00
DISCONNECT BUS 238868	/ * 02KPQ-13 138.00
DISCONNECT BUS 238899	/ * 02LJQ-13 138.00
DISCONNECT BUS 238877	/ * 02LAQ-13 138.00
DISCONNECT BUS 238879	/ * 02LB Q13 138.00
DISCONNECT BUS 238935	/ * 02LYQ-13 138.00
DISCONNECT BUS 238950	/ * 02MBQ-13 138.00
/ * ### MOVE 100 PERCENT LOAD FROM BUS 238935 TO BUS 238933	
/ * ### MOVE SHUNT FROM BUS 238935 TO BUS 238933	
SET BUS 238951 LOAD TO 30.9 MW	/ * 02MBQ-14 138.00
END	
CONTINGENCY 'C5-TWL-NR041A'	/ * Q-13-EL-LY-X AND Q-14-EL-JD-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238950 CKT 1F	/ * 02EASTLK 138.00 02MBQ-13 138.00
DISCONNECT BRANCH FROM BUS 238930 TO BUS 238935 CKT 3	/ * 02LYD-3 36.00 02LYQ-13 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238951 CKT 1	/ * 02EASTLK 138.00 02MBQ-14 138.00
DISCONNECT BRANCH FROM BUS 238931 TO BUS 238933 CKT 4	/ * 02LYD-2 36.00 02LYDQ14 138.00
DISCONNECT BRANCH FROM BUS 238849 TO BUS 238839 CKT 1	/ * 02JRDQ14 138.00 02JIQ-14 138.00
DISCONNECT BUS 238839	/ * 02JIQ-14 138.00
DISCONNECT BUS 238860	/ * 02KIQ-14 138.00
DISCONNECT BUS 238933	/ * 02LYDQ14 138.00
DISCONNECT BUS 238951	/ * 02MBQ-14 138.00
DISCONNECT BUS 238930	/ * 02LYD-3 36.00
DISCONNECT BUS 238870	/ * 02KYQ-1A 138.00
DISCONNECT BUS 238868	/ * 02KPQ-13 138.00
DISCONNECT BUS 238899	/ * 02LJQ-13 138.00
DISCONNECT BUS 238877	/ * 02LAQ-13 138.00
DISCONNECT BUS 238879	/ * 02LB Q13 138.00
DISCONNECT BUS 238950	/ * 02MBQ-13 138.00
DISCONNECT BUS 238935	/ * 02LYQ-13 138.00
SET BUS 238869 LOAD TO 38.7 MW	/ * 02KY Q-1 138.00
SET BUS 238867 LOAD TO 36.5 MW	/ * 02KPQ-12 138.00

SET BUS 238876 LOAD TO 39.3 MW	/# 02LAQ-12 138.00
END	
CONTINGENCY 'C5-TWL-NR042'	/# Q-15-EL-NY-X AND Q-16-EL-NY-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238685 TO BUS 239016 CKT 1	/# 02EASTLK 138.00 02NT Q15 138.00
DISCONNECT BRANCH FROM BUS 239016 TO BUS 239259 CKT 3	/# 02NT Q15 138.00 02NATH-2 36.00
DISCONNECT BRANCH FROM BUS 239025 TO BUS 239019 CKT 3	/# 02NY Q11 138.00 02NURS-A 36.00
DISCONNECT BRANCH FROM BUS 239025 TO BUS 239019 CKT 1	/# 02NY Q11 138.00 02NURS-A 36.00
DISCONNECT BRANCH FROM BUS 238913 TO BUS 239025 CKT 1	/# 02LRCRQ2 138.00 02NY Q11 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 239017 CKT 1	/# 02EASTLK 138.00 02NT Q16 138.00
DISCONNECT BRANCH FROM BUS 239017 TO BUS 238986 CKT 2	/# 02NT Q16 138.00 02NATH-1 36.00
DISCONNECT BRANCH FROM BUS 239026 TO BUS 239228 CKT 2	/# 02NY Q12 138.00 02NURS-B 36.00
DISCONNECT BRANCH FROM BUS 238914 TO BUS 239026 CKT 1	/# 02LRCRQ3 138.00 02NY Q12 138.00
DISCONNECT BUS 239025	/# 02NY Q11 138.00
DISCONNECT BUS 239053	/# 02PVMQ15 138.00
DISCONNECT BUS 239013	/# 02NSQ-15 138.00
DISCONNECT BUS 238996	/# 02NEQ-15 138.00
DISCONNECT BUS 239016	/# 02NT Q15 138.00
DISCONNECT BUS 238986	/# 02NATH-1 36.00
DISCONNECT BUS 239259	/# 02NATH-2 36.00
DISCONNECT BUS 239019	/# 02NURS-A 36.00
DISCONNECT BUS 239228	/# 02NURS-B 36.00
DISCONNECT BUS 239026	/# 02NY Q12 138.00
DISCONNECT BUS 239054	/# 02PVMQ16 138.00
DISCONNECT BUS 239014	/# 02NSQ-16 138.00
DISCONNECT BUS 238997	/# 02NEQ-16 138.00
DISCONNECT BUS 239017	/# 02NT Q16 138.00
END	
CONTINGENCY 'C5-TWL-NR043'	/# Q-1-EL-MF-X AND Q-2-EL-MF LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238685 TO BUS 239011 CKT 1	/# 02EASTLK 138.00 02NP Q-1 138.00
DISCONNECT BRANCH FROM BUS 239011 TO BUS 238956 CKT 1	/# 02NP Q-1 138.00 02MFLDQ1 138.00
DISCONNECT BRANCH FROM BUS 238956 TO BUS 239045 CKT 1	/# 02MFLDQ1 138.00 02PN Q-1 138.00
DISCONNECT BRANCH FROM BUS 238947 TO BUS 238956 CKT 1	/# 02MAYF-A 36.00 02MFLDQ1 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238957 CKT 1	/# 02EASTLK 138.00 02MFLDQ2 138.00
DISCONNECT BRANCH FROM BUS 239020 TO BUS 238957 CKT 1	/# 02NW Q-2 138.00 02MFLDQ2 138.00
DISCONNECT BUS 239011	/# 02NP Q-1 138.00
END	
CONTINGENCY 'C5-TWL-NR044'	/# Q-3-EL-MF-X AND Q-4-EL-MF LINE OUTAGES
REDUCE BUS 238958 SHUNT BY 100 PERCENT	/# 02MFLDQ3 138.00
REDUCE BUS 238959 SHUNT BY 100 PERCENT	/# 02MFLDQ4 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238958 CKT 1	/# 02EASTLK 138.00 02MFLDQ3 138.00
DISCONNECT BRANCH FROM BUS 238958 TO BUS 239039 CKT 1	/# 02MFLDQ3 138.00 02PGTP11 138.00
DISCONNECT BRANCH FROM BUS 238947 TO BUS 238958 CKT 3	/# 02MAYF-A 36.00 02MFLDQ3 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238959 CKT 1	/# 02EASTLK 138.00 02MFLDQ4 138.00
DISCONNECT BRANCH FROM BUS 238973 TO BUS 238959 CKT 1	/# 02MX Q-4 138.00 02MFLDQ4 138.00
END	
CONTINGENCY 'C5-TWL-NR045'	/# Q-1-EL-MF-X AND Q-15-EL-NY-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238956 TO BUS 239045 CKT 1	/# 02MFLDQ1 138.00 02PN Q-1 138.00
REDUCE BUS 238956 SHUNT BY 100 PERCENT	/# 02MFLDQ1 138.00
DISCONNECT BRANCH FROM BUS 238947 TO BUS 238956 CKT 1	/# 02MAYF-A 36.00 02MFLDQ1 138.00
DISCONNECT BUS 239011	/# 02NP Q-1 138.00
DISCONNECT BUS 239025	/# 02NY Q11 138.00
DISCONNECT BUS 239053	/# 02PVMQ15 138.00
DISCONNECT BUS 239013	/# 02NSQ-15 138.00
DISCONNECT BUS 239016	/# 02NT Q15 138.00
DISCONNECT BUS 238996	/# 02NEQ-15 138.00
SET BUS 239014 LOAD TO 35.8 MW	/# 02NSQ-16 138.00
END	
CONTINGENCY 'C5-TWL-NR046'	/# Q-1-EL-MF-X AND Q-15-EL-NY-X W/NURSERY FAULT SWITCHING LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238956 TO BUS 239045 CKT 1	/# 02MFLDQ1 138.00 02PN Q-1 138.00
REDUCE BUS 238956 SHUNT BY 100 PERCENT	/# 02MFLDQ1 138.00

DISCONNECT BRANCH FROM BUS 238947 TO BUS 238956 CKT 1	/* 02MAYF-A 36.00 02MFLDQ1 138.00
CLOSE LINE FROM BUS 239026 TO BUS 239228 CKT 3	/* 02NY Q12 138.00 02NURS-B 36.00
DISCONNECT BUS 239011	/* 02NP Q-1 138.00
DISCONNECT BUS 239025	/* 02NY Q11 138.00
DISCONNECT BUS 239053	/* 02PVMQ15 138.00
DISCONNECT BUS 239013	/* 02NSQ-15 138.00
DISCONNECT BUS 239016	/* 02NT Q15 138.00
DISCONNECT BUS 238996	/* 02NEQ-15 138.00
SET BUS 239014 LOAD TO 35.8 MW	/* 02NSQ-16 138.00
END	
CONTINGENCY 'C5-TWL-NR047'	/* Q-11-EL-NG-X AND Q-16-EL-NY-X LINE OUTAGES
DISCONNECT BUS 238859	/* 02KIQ-11 138.00
DISCONNECT BUS 238904	/* 02LMQ-11 138.00
DISCONNECT BUS 239026	/* 02NY Q12 138.00
DISCONNECT BUS 239014	/* 02NSQ-16 138.00
DISCONNECT BUS 238997	/* 02NEQ-16 138.00
DISCONNECT BUS 239017	/* 02NT Q16 138.00
SET BUS 238878 LOAD TO 45 MW	/* 02LB Q12 138.00
SET BUS 239013 LOAD TO 35.8 MW	/* 02NSQ-15 138.00
END	
CONTINGENCY 'C5-TWL-NR048A'	/* Q-2-EL-MF AND Q-12-EL-LY-X LINE OUTAGES
REDUCE BUS 238957 SHUNT BY 100 PERCENT	/* 02MFLDQ2 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238957 CKT 1	/* 02EASTLK 138.00 02MFLDQ2 138.00
DISCONNECT BRANCH FROM BUS 239020 TO BUS 238957 CKT 1	/* 02NW Q-2 138.00 02MFLDQ2 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238878 CKT 1F	/* 02EASTLK 138.00 02LB Q12 138.00
DISCONNECT BUS 238934	/* 02LYQ-12 138.00
DISCONNECT BUS 238876	/* 02LAQ-12 138.00
DISCONNECT BUS 238867	/* 02KPQ-12 138.00
DISCONNECT BUS 238869	/* 02KY Q-1 138.00
REDUCE BUS 238878 LOAD BY 100 PERCENT	/* 02LB Q12 138.00
SET BUS 238870 LOAD TO 37.5 MW	/* 02KYQ-1A 138.00
SET BUS 238868 LOAD TO 37.5 MW	/* 02KPQ-13 138.00
SET BUS 238904 LOAD TO 45 MW	/* 02LMQ-11 138.00
SET BUS 238877 LOAD TO 38.7 MW	/* 02LAQ-13 138.00
END	
CONTINGENCY 'C5-TWL-NR049'	/* Q-3-EL-MF-X AND Q-13-EL-LY-X LINE OUTAGES
REDUCE BUS 238958 SHUNT BY 100 PERCENT	/* 02MFLDQ3 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238958 CKT 1	/* 02EASTLK 138.00 02MFLDQ3 138.00
DISCONNECT BRANCH FROM BUS 238958 TO BUS 239039 CKT 1	/* 02MFLDQ3 138.00 02PGTP11 138.00
DISCONNECT BRANCH FROM BUS 238947 TO BUS 238958 CKT 3	/* 02MAYF-A 36.00 02MFLDQ3 138.00
DISCONNECT BUS 238935	/* 02LYQ-13 138.00
DISCONNECT BUS 238868	/* 02KPQ-13 138.00
DISCONNECT BUS 238870	/* 02KYQ-1A 138.00
DISCONNECT BUS 238899	/* 02LJQ-13 138.00
DISCONNECT BUS 238877	/* 02LAQ-13 138.00
DISCONNECT BUS 238879	/* 02LB Q13 138.00
DISCONNECT BUS 238950	/* 02MBQ-13 138.00
SET BUS 238869 LOAD TO 38.7 MW	/* 02KY Q-1 138.00
SET BUS 238867 LOAD TO 36.5 MW	/* 02KPQ-12 138.00
SET BUS 238876 LOAD TO 39.3 MW	/* 02LAQ-12 138.00
SET BUS 238951 LOAD TO 30.9 MW	/* 02MBQ-14 138.00
END	
CONTINGENCY 'C5-TWL-NR050'	/* Q-4-EL-MF AND Q-14-EL-JD-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238959 CKT 1	/* 02EASTLK 138.00 02MFLDQ4 138.00
DISCONNECT BRANCH FROM BUS 238973 TO BUS 238959 CKT 1	/* 02MX Q-4 138.00 02MFLDQ4 138.00
DISCONNECT BRANCH FROM BUS 238973 TO BUS 238894 CKT 1	/* 02MX Q-4 138.00 02LF Q-4 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 238951 CKT 1	/* 02EASTLK 138.00 02MBQ-14 138.00
DISCONNECT BUS 238839	/* 02JIQ-14 138.00
DISCONNECT BUS 238860	/* 02KIQ-14 138.00
DISCONNECT BUS 238933	/* 02LYDQ14 138.00
DISCONNECT BUS 238951	/* 02MBQ-14 138.00

DISCONNECT BUS 238996	/ * 02NEQ-15 138.00
DISCONNECT BUS 239013	/ * 02NSQ-15 138.00
DISCONNECT BRANCH FROM BUS 239025 TO BUS 239019 CKT 3	/ * 02NY Q11 138.00 02NURS-A 36.00
DISCONNECT BRANCH FROM BUS 239025 TO BUS 239019 CKT 1	/ * 02NY Q11 138.00 02NURS-A 36.00
DISCONNECT BRANCH FROM BUS 239025 TO BUS 238913 CKT 1	/ * 02NY Q11 138.00 02LRCRQ2 138.00
DISCONNECT BRANCH FROM BUS 238685 TO BUS 239017 CKT 1	/ * 02EASTLK 138.00 02NT Q16 138.00
DISCONNECT BRANCH FROM BUS 239017 TO BUS 238986 CKT 2	/ * 02NT Q16 138.00 02NATH-1 36.00
DISCONNECT BRANCH FROM BUS 239017 TO BUS 238997 CKT 1	/ * 02NT Q16 138.00 02NEQ-16 138.00
DISCONNECT BRANCH FROM BUS 238997 TO BUS 239014 CKT 1	/ * 02NEQ-16 138.00 02NSQ-16 138.00
DISCONNECT BRANCH FROM BUS 239014 TO BUS 239054 CKT 1	/ * 02NSQ-16 138.00 02PVMQ16 138.00
DISCONNECT BRANCH FROM BUS 239054 TO BUS 239026 CKT 1	/ * 02PVMQ16 138.00 02NY Q12 138.00
DISCONNECT BRANCH FROM BUS 238914 TO BUS 239026 CKT 1	/ * 02LRCRQ3 138.00 02NY Q12 138.00
DISCONNECT BUS 238997	/ * 02NEQ-16 138.00
DISCONNECT BUS 239014	/ * 02NSQ-16 138.00
DISCONNECT BUS 239026	/ * 02NY Q12 138.00
DISCONNECT BRANCH FROM BUS 239026 TO BUS 239228 CKT 2	/ * 02NY Q12 138.00 02NURS-B 36.00
DISCONNECT BRANCH FROM BUS 239026 TO BUS 238914 CKT 1	/ * 02NY Q12 138.00 02LRCRQ3 138.00
END	
CONTINGENCY 'C5-TWL-NR053'	/ * Q-15-AT-G AND Q-16-AT-G LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238542 TO BUS 239349 CKT 1F	/ * 02ASH_1 138.00 02MILCHM 138.00
DISCONNECT BRANCH FROM BUS 239349 TO BUS 239055 CKT 1F	/ * 02MILCHM 138.00 02Q15TAP 138.00
DISCONNECT BRANCH FROM BUS 239055 TO BUS 239181 CKT 1	/ * 02Q15TAP 138.00 02ZNQ-15 138.00
DISCONNECT BRANCH FROM BUS 238544 TO BUS 239182 CKT 1	/ * 02ASH_3 138.00 02ZNQ-16 138.00
DISCONNECT BUS 239055	/ * 02Q15TAP 138.00
DISCONNECT BUS 239181	/ * 02ZNQ-15 138.00
DISCONNECT BUS 239182	/ * 02ZNQ-16 138.00
END	
CONTINGENCY 'C5-TWL-NR054A'	/ * AVON-LAKEAVE #1 AND #2 345KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238551 TO BUS 239725 CKT 1F	/ * 02AVON 345.00 02LAKEAVE 345.00
DISCONNECT BRANCH FROM BUS 238551 TO BUS 239725 CKT 2F	/ * 02AVON 345.00 02LAKEAVE 345.00
END	
CONTINGENCY 'C5-TWL-NR054B'	/ * AVON-BEAVER #1 AND #2 345KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239725 TO BUS 238569 CKT 1F	/ * 02LAKEAVE 345.00 02BEAVER 345.00
DISCONNECT BRANCH FROM BUS 239725 TO BUS 238569 CKT 2F	/ * 02LAKEAVE 345.00 02BEAVER 345.00
END	
CONTINGENCY 'C5-TWL-NR055A'	/ * AVON-JUNIPER AND AVON-BEAVER #1 345KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238551 TO BUS 238850 CKT 1	/ * 02AVON 345.00 02JUNIPER 345.00
DISCONNECT BRANCH FROM BUS 238551 TO BUS 239725 CKT 1F	/ * 02AVON 345.00 02LAKEAVE 345.00
END	
CONTINGENCY 'C5-TWL-NR056'	/ * FOX-HARDING #1 AND #2 345KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238731 TO BUS 238783 CKT 1	/ * 02FOX 345.00 02HARDIN 345.00
DISCONNECT BRANCH FROM BUS 238731 TO BUS 238783 CKT 2	/ * 02FOX 345.00 02HARDIN 345.00
END	
CONTINGENCY 'C5-TWL-NR057A'	/ * PERRY-LRCR AND PERRY-NRFD 345KV LINE OUTAGES
OPEN BRANCH FROM BUS 239334 TO BUS 239036 CKT 1	/ 239334 02L.CENTER 345 239036 02PERRY 345 1
OPEN BRANCH FROM BUS 239358 TO BUS 239036 CKT 1	/ 239358 02NFIELD 345.00 239036 02PERRY 345
END	
CONTINGENCY 'C5-TWL-NR057B'	/ * HARDING-LRCR AND PERRY-NRFD 345KV LINE OUTAGES
OPEN BRANCH FROM BUS 239334 TO BUS 238783 CKT 1	/ 238783 02HARDIN 345 239334 02L.CENTER 345 1
OPEN BRANCH FROM BUS 239358 TO BUS 239036 CKT 1	/ 239358 02NFIELD 345.00 239036 02PERRY 345
END	
CONTINGENCY 'C5-TWL-NR58A'	/ * HARDING-INLAND AND NORTHFIELD-INLAND 345KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238821 CKT 1	/ * 02HARDIN 345.00 02INLAND 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238821 CKT 1	/ * 02NFIELD 345.00 02INLAND 345.00
END	
CONTINGENCY 'C5-TWL-NR060'	/ * HARDING-CHAMBERLIN AND HARDING-JUNIPER 345KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238615 CKT 1	/ * 02HARDIN 345.00 02CHAMBR 345.00
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238850 CKT 1	/ * 02HARDIN 345.00 02JUNIPER 345.00
END	

CONTINGENCY 'C5-TWL-NR061'	/*	AVON-JUNIPER AND HARDING-CHAMBERLIN 345KV LINE
OUTAGES		
DISCONNECT BRANCH FROM BUS 238551 TO BUS 238850 CKT 1	/*	02AVON 345.00 02JUNIP 345.00
DISCONNECT BRANCH FROM BUS 238783 TO BUS 238615 CKT 1	/*	02HARDIN 345.00 02CHAMBR 345.00
END		
CONTINGENCY 'C5-TWL-NR062'	/*	AVON-JUNIPER AND EMILY-FOX 138KV LINE OUTAGES
DISCONNECT BRANCH FROM BUS 238551 TO BUS 238850 CKT 1	/*	02AVON 345.00 02JUNIP 345.00
DISCONNECT BRANCH FROM BUS 238710 TO BUS 238775 CKT 1	/*	02EYQ-14 138.00 02GXQ-14 138.00
DISCONNECT BRANCH FROM BUS 238775 TO BUS 238776 CKT 1	/*	02GXQ-14 138.00 02GXTP14 138.00
DISCONNECT BRANCH FROM BUS 238776 TO BUS 238809 CKT 1	/*	02GXTP14 138.00 02HMLQ14 138.00
DISCONNECT BRANCH FROM BUS 238735 TO BUS 238809 CKT 1	/*	02FOXQ14 138.00 02HMLQ14 138.00
DISCONNECT BUS 238775	/*	02GXQ-14 138.00
SET BUS 238710 LOAD TO 40.4 MW	/*	02EYQ-14 138.00
END		
CONTINGENCY 'C5-TWL-NR63A'	/*	PERRY-EASTLAKE AND PERRY-NORTHFIELD 345KV LINE
OUTAGES		
DISCONNECT BRANCH FROM BUS 238684 TO BUS 239036 CKT 1	/*	02EASTLK 345.00 02PERRY 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 239036 CKT 1	/*	02NFIELD 345.00 02PERRY 345.00
END		
CONTINGENCY 'C5-TWL-SR060'	/*	BEAVER-BROOKSIDE & BROOKSIDE-WELL. COMMON TOWER
DISCONNECT BRANCH FROM BUS 238586 TO BUS 239216 CKT 1	/*	02BRKSID 138.00 02TROY 138.00
DISCONNECT BRANCH FROM BUS 239216 TO BUS 239215 CKT 1	/*	02TROY 138.00 02BRIGHT 138.00
DISCONNECT BRANCH FROM BUS 239215 TO BUS 239319 CKT 1	/*	02BRIGHT 138.00 02CAMDEN 138.00
DISCONNECT BRANCH FROM BUS 238570 TO BUS 239318 CKT 1	/*	02BEAVER 138.00 02HENRTA 138.00
DISCONNECT BRANCH FROM BUS 239318 TO BUS 239319 CKT 1	/*	02HENRTA 138.00 02CAMDEN 138.00
DISCONNECT BRANCH FROM BUS 238586 TO BUS 239168 CKT 1	/*	02BRKSID 138.00 02WELNGT 138.00
DISCONNECT BRANCH FROM BUS 239168 TO BUS 239167 CKT 3	/*	02WELNGT 138.00 02WELLNG 69.00
REDUCE BUS 239319 LOAD BY 100 PERCENT	/*	02CAMDEN 138.00
REDUCE BUS 239216 LOAD BY 100 PERCENT	/*	02TROY 138.00
REDUCE BUS 239215 LOAD BY 100 PERCENT	/*	02BRIGHT 138.00
DISCONNECT BUS 239168	/*	02WELNGT 138.00
DISCONNECT BUS 239215	/*	02BRIGHT 138.00
DISCONNECT BUS 239216	/*	02TROY 138.00
DISCONNECT BUS 239319	/*	02CAMDEN 138.00
END		
CONTINGENCY 'C5-TWL-SR061'	/*	BROOKSIDE-LONGVIEW & BROOKSIDE-MADISON COMMON TOWER
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238586 CKT 1	/*	02LNGVEW 138.00 02BRKSID 138.00
DISCONNECT BRANCH FROM BUS 238586 TO BUS 238938 CKT 1	/*	02BRKSID 138.00 02MADISN 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 238938 CKT 1	/*	02LNGVEW 138.00 02MADISN 138.00
REDUCE BUS 238938 LOAD BY 100 PERCENT	/*	02MADISN 138.00
DISCONNECT BUS 238938	/*	02MADISN 138.00
END		
CONTINGENCY 'C5-TWL-SR063B'	/*	GALION-LEASIDE & GALION-LONGVIEW COMMON TOWER
DISCONNECT BRANCH FROM BUS 238746 TO BUS 238891 CKT 1F	/*	02GALION 138.00 02LESIDE 138.00
DISCONNECT BRANCH FROM BUS 238746 TO BUS 238758 CKT 1F	/*	02GALION 138.00 02GM MAN 138.00
DISCONNECT BRANCH FROM BUS 238758 TO BUS 239028 CKT 1F	/*	02GM MAN 138.00 02ONTARO 138.00
DISCONNECT BRANCH FROM BUS 238600 TO BUS 239028 CKT 1F	/*	02CAIRNS 138.00 02ONTARO 138.00
DISCONNECT BRANCH FROM BUS 238600 TO BUS 239196 CKT 1F	/*	02CAIRNS 138.00 02ARM+BU 138.00
DISCONNECT BRANCH FROM BUS 238906 TO BUS 239196 CKT 1F	/*	02LNGVEW 138.00 02ARM+BU 138.00
REDUCE BUS 238758 LOAD BY 100 PERCENT	/*	02GM MAN 138.00
REDUCE BUS 238600 LOAD BY 100 PERCENT	/*	02CAIRNS 138.00
REDUCE BUS 239028 LOAD BY 100 PERCENT	/*	02ONTARO 138.00
DISCONNECT BUS 238758	/*	02GM MAN 138.00
DISCONNECT BUS 239028	/*	02ONTARO 138.00
DISCONNECT BUS 238600	/*	02CAIRNS 138.00
END		
CONTINGENCY 'C5-TWL-SR072'	/*	E. SPFD-LONDON CKT 1 & E. SPFD-LONDON CKT 2
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238703 CKT 1	/*	02LONDON 138 02ESPRNG 138.00
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238703 CKT 2	/*	02LONDON 138 02ESPRNG 138.00
END		

CONTINGENCY 'C5-TWL-SR064'	/* GALION-ROBERTS SOUTH & GALION-ROBERTS NORTH
DISCONNECT BRANCH FROM BUS 239308 TO BUS 238746 CKT 1	/* 02MR-ETH 138.00 02GALION 138.00
DISCONNECT BRANCH FROM BUS 239308 TO BUS 239073 CKT 1	/* 02MR-ETH 138.00 02ROBERT 138.00
DISCONNECT BRANCH FROM BUS 238746 TO BUS 238777 CKT 1	/* 02GALION 138.00 02HAMIL+ 138.00
DISCONNECT BRANCH FROM BUS 238777 TO BUS 238778 CKT 1	/* 02HAMIL+ 138.00 02HAMILT 138.00
DISCONNECT BRANCH FROM BUS 238777 TO BUS 238667 CKT 1	/* 02HAMIL+ 138.00 02DUALR+ 138.00
DISCONNECT BRANCH FROM BUS 238667 TO BUS 238668 CKT 1	/* 02DUALR+ 138.00 02DUALRL 138.00
DISCONNECT BRANCH FROM BUS 238667 TO BUS 239073 CKT 1	/* 02DUALR+ 138.00 02ROBERT 138.00
REDUCE BUS 239308 LOAD BY 100 PERCENT	/* 02MR-ETH 138.00
REDUCE BUS 238668 LOAD BY 100 PERCENT	/* 02DUALRL 138.00
REDUCE BUS 238778 LOAD BY 100 PERCENT	/* 02HAMILT 138.00
DISCONNECT BUS 238778	/* 02HAMILT 138.00
DISCONNECT BUS 238668	/* 02DUALRL 138.00
DISCONNECT BUS 238667	/* 02DUALR+ 138.00
DISCONNECT BUS 238777	/* 02HAMIL+ 138.00
DISCONNECT BUS 239308	/* 02MR-ETH 138.00
END	
CONTINGENCY 'C5-TWL-SR066'	/* E. SPFD-LONDON & CLARK-E.SPFD. COMMON TOWER
DISCONNECT BRANCH FROM BUS 238908 TO BUS 238703 CKT 1	/* 02LONDON 138 02ESPRNG 138.00
DISCONNECT BRANCH FROM BUS 238703 TO BUS 238529 CKT 1	/* 02ESPRNG 138.00 02AIRPK+ 138.00
DISCONNECT BRANCH FROM BUS 238529 TO BUS 238623 CKT 1	/* 02AIRPK+ 138.00 02CLARK 138.00
REDUCE BUS 238529 LOAD BY 100 PERCENT	/* 02AIRPK+ 138.00
DISCONNECT BUS 238529	/* 02AIRPK+ 138.00
END	
CONTINGENCY 'C5-TWL-SR067'	/* TANGY-E.SPFD & TANGY-CRISSINGER COMMON TOWER
DISCONNECT BRANCH FROM BUS 239134 TO BUS 239264 CKT 1	/* 02TANGY 138.00 02DBP 138.00
DISCONNECT BRANCH FROM BUS 239264 TO BUS 238640 CKT 1	/* 02DBP 138.00 02CRISS 138.00
DISCONNECT BRANCH FROM BUS 239134 TO BUS 238574 CKT 1	/* 02TANGY 138.00 02BELPT+ 138.00
DISCONNECT BRANCH FROM BUS 238574 TO BUS 238964 CKT 1	/* 02BELPT+ 138.00 02MLCRK+ 138.00
DISCONNECT BRANCH FROM BUS 238964 TO BUS 238703 CKT 1	/* 02MLCRK+ 138.00 02ESPRNG 138.00
DISCONNECT BUS 238574	/* 02BELPT+ 138.00
DISCONNECT BUS 238964	/* 02MLCRK+ 138.00
DISCONNECT BUS 239264	/* 02DBP 138.00
END	
CONTINGENCY 'C5-TWL-WR003'	/* BAYSH-JEEP/BAYSH-IRONV 138
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238847 CKT 1	/* 02BAYSHO 138.00 02JP 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238514 CKT 1	/* 02BAYSHO 138.00 02IRONV 138.00
DISCONNECT BUS 238514	/* 02IRONV 138.00
END	
CONTINGENCY 'C5-TWL-WR003B'	/* BAYSH-GM/BAYSH-BP 1 138
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238504 CKT 1	/* 02BAYSHO 138.00 02CHEV 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 239310 CKT 1	/* 02BAYSHO 138.00 02BPOLTE 138.00
END	
CONTINGENCY 'C5-TWL-WR004A'	/* WALBRIDGE JCT 138 KV - NORTH 1
DISCONNECT BUS 238509	/* 02FREY 138.00
DISCONNECT BUS 239029	/* 02OREGON 138.00
END	
CONTINGENCY 'C5-TWL-WR004BB'	/* WALBRIDGE JCT 138 KV - NORTH 2
DISCONNECT BRANCH FROM BUS 238568 TO BUS 239310 CKT 2	/* 02BAYSHO 138.00 02BPOLTE 138.00
DISCONNECT BUS 239029	/* 02OREGON 138.00
END	
CONTINGENCY 'C5-TWL-WR004CC'	/* WALBRIDGE JCT 138 KV - SOUTH
DISCONNECT BUS 238509	/* 02FREY 138.00
DISCONNECT BRANCH FROM BUS 238890 TO BUS 238936 CKT 1	/* 02LEMOYN 138.00 02MACLEA 138.00
END	
CONTINGENCY 'C5-TWL-WR004DD'	/* WALBRIDGE JCT 138 KV - WEST
DISCONNECT BRANCH FROM BUS 238890 TO BUS 238936 CKT 1	/* 02LEMOYN 138.00 02MACLEA 138.00
DISCONNECT BUS 239029	/* 02OREGON 138.00
END	
CONTINGENCY 'C5-TWL-WR005'	/* BAYSH-OTTAWA/BAYSH-DECANT 138
DISCONNECT BUS 239140	/* 02TOUSNT 138.00

DISCONNECT BUS 239139	/	* 02TOUS 69.00
DISCONNECT BUS 238658	/	* 02DECANT 138.00
END		
CONTINGENCY 'C5-TWL-WR006'	/	* BAYSH-OTTAWA/OTTAWA-DECANT 138
DISCONNECT BUS 239140	/	* 02TOUSNT 138.00
DISCONNECT BUS 239139	/	* 02TOUS 69.00
DISCONNECT BRANCH FROM BUS 239030 TO BUS 238658 CKT 1	/	* 02OTTAWA 138.00 02DECANT 138.00
END		
CONTINGENCY 'C5-TWL-WR007'	/	* BP-JACKMAN/BAYSH-CHEV 138
DISCONNECT BUS 238730	/	* 02FORTIN 138.00
DISCONNECT BUS 239315	/	* 02STER-P 138.00
DISCONNECT BUS 238751	/	* 02GENMLL 1 138.00
DISCONNECT BRANCH FROM BUS 238568 TO BUS 238504 CKT 1	/	* 02BAYSHO 138.00 02CHEV 138.00
END		
CONTINGENCY 'C5-TWL-WR008'	/	* BP-JACKMAN/CHEV-JACKMAN 138
DISCONNECT BUS 238730	/	* 02FORTIN 138.00
DISCONNECT BUS 239315	/	* 02STER-P 138.00
DISCONNECT BUS 238751	/	* 02GENMLL 1 138.00
DISCONNECT BUS 239219	/	* 02GENMLL 2 138.00
END		
CONTINGENCY 'C5-TWL-WR009'	/	* JACKMAN-VULCAN NO.1 & NO.2 138
DISCONNECT BUS 239236	/	* 02TOLHOS 138.00
DISCONNECT BUS 238573	/	* 02BELEVU 138.00
DISCONNECT BUS 239147	/	* 02UTTP2 138.00
DISCONNECT BRANCH FROM BUS 238832 TO BUS 239149 CKT 1	/	* 02JACKMA 138.00 02VULCAN 138.00
END		
CONTINGENCY 'C5-TWL-WR010'	/	* LEMO K-W.FREM/LEMOYNE-W.END 138
DISCONNECT BUS 239176	/	* 02WOOD+ 138.00
DISCONNECT BUS 239177	/	* 02WOODVI 138.00
DISCONNECT BRANCH FROM BUS 238884 TO BUS 239154 CKT 1	/	* 02LEMO K 138.00 02W.FREM 138.00
END		
CONTINGENCY 'C5-TWL-ER025'	/	* MANSFIELD-HIGHLAND & MANSFIELD-NORTHFIELD 345KV
DISCONNECT BRANCH FROM BUS 238796 TO BUS 238941 CKT 1	/	* 02HGHLND 345.00 02MANSFD 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238941 CKT 1	/	* 02NFIELD 345.00 02MANSFD 345.00
END		
CONTINGENCY 'C5-TWL-ER026A'	/	* HANNA-HIGHLAND & MANSFIELD-NORTHFIELD 345KV
DISCONNECT BRANCH FROM BUS 238796 TO BUS 238781 CKT 1F	/	* 02HGHLND 345.00 02HANNA 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238941 CKT 1	/	* 02NFIELD 345.00 02MANSFD 345.00
END		
CONTINGENCY 'C5-TWL-NR066'	/	* STAR-JUNIPER & MANSFIELD-NORTHFIELD 345KV
DISCONNECT BRANCH FROM BUS 238850 TO BUS 239122 CKT 1	/	* 02JUNIP 345.00 02STAR 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238941 CKT 1	/	* 02NFIELD 345.00 02MANSFD 345.00
END		
CONTINGENCY 'C5-TWL-WR11A'	/	* LEMOYNE-MIDWAY NO.1 & NO.2 138
DISCONNECT BUS 238501	/	* 02BGTA 138.00
DISCONNECT BUS 238502	/	* 02BRIM 138.00
DISCONNECT BRANCH FROM BUS 238884 TO BUS 239371 CKT 1	/	* 02LEMO K 138.00 02TOLEDO 138.00
END		
CONTINGENCY 'C5-TWL-WR11B'	/	* LEMOYNE-MIDWAY NO.1 & NO.2 138
DISCONNECT BUS 238501	/	* 02BGTA 138.00
DISCONNECT BUS 238502	/	* 02BRIM 138.00
DISCONNECT BRANCH FROM BUS 239371 TO BUS 238960 CKT 1	/	* 02TOLEDO 138.00 02MIDW K 138.00
END		
CONTINGENCY 'C5-TWL-WR012'	/	* MIDWAY-NAPMUNI/MIDWAY-RICHL-WAUS 138
DISCONNECT BUS 238521	/	* 02NAOMI 138.00
DISCONNECT BRANCH FROM BUS 238962 TO BUS 238979 CKT 1	/	* 02MIDWAY 138.00 02NAPMUN 138.00
END		
CONTINGENCY 'C5-TWL-WR013'	/	* RICHL-RIDGV JCT NO.1 & NO.2 138
DISCONNECT BUS 238521	/	* 02NAOMI 138.00
DISCONNECT BUS 239061	/	* 02RDGVL+ 138.00
DISCONNECT BUS 239060	/	* 02RDGVL 138.00

```

END
CONTINGENCY 'C5-TWL-WR014'                /* ANGOLA TAP 138
DISCONNECT BUS 238534                      /* 02ANGOLA 138.00
DISCONNECT BUS 239151                      /* 02VULCTA 138.00
DISCONNECT BUS 239169                      /* 02WENTWT 138.00
DISCONNECT BUS 238786                      /* 02HAWTHO 138.00
DISCONNECT BUS 238651                      /* 02DANA 138.00
DISCONNECT BUS 239263                      /* 02STLUKE 138.00
END
CONTINGENCY 'C5-TWL-WR015'                /* HAWTHORNE TAP 138
DISCONNECT BUS 238786                      /* 02HAWTHO 138.00
DISCONNECT BUS 238651                      /* 02DANA 138.00
END
CONTINGENCY 'C5-TWL-WR016'                /* ALLEN-JACKMAN/ALLEN-WESTGATE 138
DISCONNECT BUS 239129                      /* 02SYLVNA 138.00
DISCONNECT BUS 239132                      /* 02TALMDG 138.00
DISCONNECT BRANCH FROM BUS 238532 TO BUS 238832 CKT 1      /* 02ALLNJB 138.00 02JACKMA 138.00
END
CONTINGENCY 'C5-TWL-WR022'                /* WEST FREMONT-OTTAWA & W.FREMONT-KH-OTTAWA
DISCONNECT BRANCH FROM BUS 239030 TO BUS 239154 CKT 1      /* 02OTTAWA 138.00 02W.FREM 138.00
DISCONNECT BUS 238871                      /* 02KY-HS 138.00
END
CONTINGENCY 'C5-TWL-CR030A'               /* GILC-S AKRON, S AKRON-CONGRS 138
DISCONNECT BRANCH FROM BUS 238757 TO BUS 238873 CKT 1      /* 02GLCRST 138.00 02LAKMOR 138.00
DISCONNECT BRANCH FROM BUS 238873 TO BUS 238626 CKT 1      /* 02LAKMOR 138.00 02CLAYBN 138.00
DISCONNECT BRANCH FROM BUS 238626 TO BUS 239083 CKT 1      /* 02CLAYBN 138.00 02SAKRON 138.00
DISCONNECT BRANCH FROM BUS 239083 TO BUS 239198 CKT 1      /* 02SAKRON 138.00 02CONGRS 138.00
DISCONNECT BRANCH FROM BUS 239369 TO BUS 239198 CKT 1      /* 02TORONTO 138.00 02CONGRS 138.00
DISCONNECT BUS 238873                      /* 02LAKMOR 138.00
DISCONNECT BUS 238626                      /* 02CLAYBN 138.00
END
CONTINGENCY 'C5-TWL-ER16B'                /* BOARDMAN-SAMMIS & BOARDMAN-NEVADA-TORONTO 138KV
DISCONNECT BRANCH FROM BUS 238578 TO BUS 238998 CKT 1F      /* 02BORDMN 138.00 02NEVADA 138.00
DISCONNECT BRANCH FROM BUS 238998 TO BUS 239093 CKT 1F      /* 02NEVADA 138.00 02SAMMIS 138.00
DISCONNECT BUS 238998                      /* 02NEVADA 138.00
END
CONTINGENCY 'C5-TWL-ER029B'               /* KNOX-SAMMIS & TORONTO-CONGRESS-S.AKRON 138 KV
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239372 CKT 1F      /* 02SAMMIS 138.00 02HAGAN 138.00
DISCONNECT BRANCH FROM BUS 239369 TO BUS 239198 CKT 1      /* 02TORONTO 138.00 02CONGRS 138.00
DISCONNECT BUS 239198                      /* 02CONGRS 138.00
DISCONNECT BRANCH FROM BUS 239083 TO BUS 239198 CKT 1      /* 02SAKRON 138.00 02CONGRS 138.00
END
CONTINGENCY 'C5-TWL-ER030'                /* KNOX-E.AKRON & TORONTO-CONGRESS-S.AKRON 138 KV
DISCONNECT BRANCH FROM BUS 238678 TO BUS 238864 CKT 1      /* 02EAKRON 138.00 02KNOX 138.00
DISCONNECT BRANCH FROM BUS 239369 TO BUS 239198 CKT 1      /* 02TORONTO 138.00 02CONGRS 138.00
DISCONNECT BUS 239198                      /* 02CONGRS 138.00
DISCONNECT BRANCH FROM BUS 239083 TO BUS 239198 CKT 1      /* 02SAKRON 138.00 02CONGRS 138.00
END
CONTINGENCY 'C5-TWL-CR033A'               /* BEAV-BLK RVR, BLK RVR-JOHN 138
DISCONNECT BRANCH FROM BUS 238570 TO BUS 239728 CKT 1F      /* 02BEAVER 138.00 02BLKRVR 138.00
DISCONNECT BRANCH FROM BUS 239726 TO BUS 239728 CKT 1F      /* 02LAKEAVE 138.00 02BLKRVR 138.00
END
CONTINGENCY 'C5-TWL-CR034_C'              /* BLK RVR-JOHN, BLK RVR-LRN Q2 138
DISCONNECT BRANCH FROM BUS 239726 TO BUS 239728 CKT 2F      /* 02LAKEAVE 138.00 02BLKRVR 138.00
DISCONNECT BRANCH FROM BUS 239728 TO BUS 238915 CKT 1      /* 02BLKRVR 138.00 02LRN Q-2 138.00
END
CONTINGENCY 'C5-TWL-NR065'                /* HANNA-CHAMBERLIN & MANSFIELD-NORTHFIELD 345KV
DISCONNECT BRANCH FROM BUS 238615 TO BUS 238781 CKT 1      /* 02CHAMBR 345.00 02HANNA 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238941 CKT 1      /* 02NFIELD 345.00 02MANSFD 345.00
END
CONTINGENCY 'C5-TWL-NR067'                /* JUNIPER-NORTHFIELD & MANSFIELD-NORTHFIELD 345KV

```

```

DISCONNECT BRANCH FROM BUS 238850 TO BUS 239358 CKT 1      /* 02JUNIP 345.00 02NFIELD 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238941 CKT 1      /* 02NFIELD 345.00 02MANSFD 345.00
END
CONTINGENCY 'C5-TWL-NR051B'                                /* Q-1-LRCR-MF-X AND Q-2-LRCR-MF-X LINE OUTAGES
DISCONNECT BRANCH FROM BUS 239112 TO BUS 239045 CKT 1      /* 02LRCRQ1 138.00 02PN Q-1 138.00
DISCONNECT BRANCH FROM BUS 238956 TO BUS 239045 CKT 1      /* 02MFLDQ1 138.00 02PN Q-1 138.00
DISCONNECT BRANCH FROM BUS 239046 TO BUS 238913 CKT 1      /* 02PN Q-2 138.00 02LRCRQ2 138.00
DISCONNECT BRANCH FROM BUS 239046 TO BUS 239047 CKT 1      /* 02PN Q-2 138.00 02PN TP 138.00
DISCONNECT BUS 239047                                       /* 02PN TP 138.00
DISCONNECT BRANCH FROM BUS 238957 TO BUS 239046 CKT 1      /* 02MFLDQ2 138.00 02PN Q-2 138.00
DISCONNECT BRANCH FROM BUS 238957 TO BUS 239233 CKT 2      /* 02MFLDQ2 138.00 02MAYF-B 36.00
DISCONNECT BUS 239045                                       /* 02PN Q-1 138.00
DISCONNECT BUS 239046                                       /* 02PN Q-2 138.00
END
CONTINGENCY 'C5-TWL-ER031'                                /* NILES-SSPRNG 138 #1 & NILES-SSPRNG 138 #2
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239120 CKT 1      /* 02NILES 138.00 02SSPRNG 138.00 CKT 1
DISCONNECT BRANCH FROM BUS 239008 TO BUS 239120 CKT 2      /* 02NILES 138.00 02SSPRNG 138.00 CKT 2
END
CONTINGENCY 'C5-TWL-WR023'                                /* W.FREMONT-GROTON 138KV & W.FREMONT-HAYES #2 138KV
COMMON TOWER
DISCONNECT BRANCH FROM BUS 239154 TO BUS 240813 CKT 1      /* 02W.FREM 138.00 02GROTN 138.00
DISCONNECT BRANCH FROM BUS 240813 TO BUS 239290 CKT 1      /* 02W.FREM 138.00 02HAYES 138.00
END
CONTINGENCY 'C5-TWL-ER027A'                                /* TORONTO - SAMMIS & TORONTO - DOBBINS 138 KV
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239369 CKT 1      /* 02SAMMIS 138.00 02TORONTO 138.00
DISCONNECT BRANCH FROM BUS 238664 TO BUS 240214 CKT 1F     /* 02DOBBINS 138.00 02PENNANT 138.00
DISCONNECT BRANCH FROM BUS 240214 TO BUS 239369 CKT 1F     /* 02PENNANT 138.00 02TORONTO 138.00
DISCONNECT BUS 240214
END
CONTINGENCY 'C5-TWL-CR030B'                                /* HAGAN-KNOX & TORONTO-S.AKRON 138 KV
DISCONNECT BRANCH FROM BUS 239083 TO BUS 239198 CKT 1      /* 02SAKRON 138.00 02CONGRS 138.00
DISCONNECT BRANCH FROM BUS 239369 TO BUS 239198 CKT 1      /* 02TORONTO 138.00 02CONGRS 138.00
DISCONNECT BRANCH FROM BUS 238864 TO BUS 239372 CKT 1F     /* 02KNOX 138.00 02HAGAN 138.00
END
CONTINGENCY 'C5-TWL-ER028B'                                /* KNOX-SAMMIS & TORONTO-NEVADA-BOARDMAN 138 KV
DISCONNECT BRANCH FROM BUS 238578 TO BUS 238998 CKT 1F     /* 02BORDMN 138.00 02NEVADA 138.00
DISCONNECT BRANCH FROM BUS 238998 TO BUS 239093 CKT 1F     /* 02NEVADA 138.00 02SAMMIS 138.00
DISCONNECT BUS 238998                                       /* 02NEVADA 138.00
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239372 CKT 1F     /* 02SAMMIS 138.00 02HAGAN 138.00
END
CONTINGENCY 'C5-TWL-ER27B'                                /* SAMMIS-TORONTO & SAMMIS-BOARDMAN 138 KV
DISCONNECT BRANCH FROM BUS 239093 TO BUS 239369 CKT 1      /* 02SAMMIS 138.00 02TORONTO 138.00
DISCONNECT BRANCH FROM BUS 238578 TO BUS 238998 CKT 1F     /* 02BORDMN 138.00 02NEVADA 138.00
DISCONNECT BUS 238998                                       /* ISOLATE 02NEVADA 138.00
DISCONNECT BRANCH FROM BUS 239093 TO BUS 238998 CKT 1F     /* 02SAMMIS 138.00 02NEVADA 138.00
END
CONTINGENCY 'C5-TWL-NR065B'                                /*CHAMBERLIN-HARDING & MANSFIELD-GLENWILLOW 345KV
TOWERLINE
DISCONNECT BRANCH FROM BUS 238615 TO BUS 238783 CKT 1      /* 02CHAMBR 345.00 02HARDIN 345.00
DISCONNECT BRANCH FROM BUS 239358 TO BUS 238941 CKT 1      /* 02NFIELD 345.00 02MANSFD 345.00
END
CONTINGENCY 'C5-TWL-WR017A'                                /* BAYSH-MONROE/BAYSH-FOSTORIA 345
DISCONNECT BRANCH FROM BUS 238563 TO BUS 241901 CKT 1F     /* 02BAY SH 345.00 02_Y1-069 345.00
DISCONNECT BRANCH FROM BUS 238563 TO BUS 241901 CKT 2F     /* 02BAY SH 345.00 02_Y1-069 345.00
END
/*=====FE TIES=====
CONTINGENCY 'C5-TWL-CR043B'                                /* CLOVERDALE-HARMON 138 #3 AND HOLLOWAY-
CLOVERDALE 138 #1
DISCONNECT BRANCH FROM BUS 239354 TO BUS 238629 CKT 3      /* 02HARMON 138.00 02CLVRDL 138.00
DISCONNECT BRANCH FROM BUS 238629 TO BUS 247131 CKT 1      /* 02CLVRDL 138.00 05HOLLOW 138.00
END

```

```

CONTINGENCY 'C5-TWL-CR032C'                /* 05GHOSTT-LONGVIEW 138, 05GHOSTT-BRKSID 138
DISCONNECT BRANCH FROM BUS 239217 TO BUS 247131 CKT 1      /* 239217 02REEDSB 138.00 247131 05GHOSTT
138.00
DISCONNECT BRANCH FROM BUS 239217 TO BUS 238906 CKT 1      /* 02REEDSB 138.00 02LNGVEW 138.00
REDUCE BUS 239217 LOAD BY 100 PERCENT                      /* 02REEDSB 138.00
DISCONNECT BUS 239217                                     /* 02REEDSB 138.00
DISCONNECT BRANCH FROM BUS 238586 TO BUS 247131 CKT 1      /* 238586 02BRKSID 138.00 247131 05GHOSTT
138.00
END
CONTINGENCY 'C5-TWL-SR062'                  /* BROOKSIDE-HOWARD & BROOKSIDE-LEASIDE COMMON
TOWER
DISCONNECT BRANCH FROM BUS 238586 TO BUS 243024 CKT 1      /* 02BRKSID 138.00 05HOWARD 138.00
DISCONNECT BRANCH FROM BUS 238586 TO BUS 239195 CKT 1      /* 02BRKSID 138.00 02MILIRN 138.00
DISCONNECT BRANCH FROM BUS 239195 TO BUS 238891 CKT 1      /* 02MILIRN 138.00 02LESIDE 138.00
REDUCE BUS 239195 LOAD BY 100 PERCENT                      /* 02MILIRN 138.00
DISCONNECT BUS 239195                                     /* 02MILIRN 138.00
END
CONTINGENCY 'C5-TWL-SR068'                  /* TANGY-HYATT & TANGY-MARYSVILLE COMMON TOWER
DISCONNECT BRANCH FROM BUS 239133 TO BUS 243458 CKT 1      /* 02TANGY 345.00 05HYATT 345.00
DISCONNECT BRANCH FROM BUS 239133 TO BUS 242939 CKT 1      /* 02TANGY 345.00 05MARYSV 345.00
DISCONNECT BRANCH FROM BUS 239133 TO BUS 239134 CKT 3      /* 02TANGY 345.00 02TANGY 138.00
DISCONNECT BRANCH FROM BUS 239133 TO BUS 239134 CKT 4      /* 02TANGY 345.00 02TANGY 138.00
DISCONNECT BRANCH FROM BUS 239133 TO BUS 239134 CKT 5      /* 02TANGY 345.00 02TANGY 138.00
DISCONNECT BUS 239133                                     /* 02TANGY 345.00
END
CONTINGENCY 'C5-TWL-WR019A'                 /* BAYSH-FOSTORIA/LEMOYNE-MAJ 345
DISCONNECT BRANCH FROM BUS 241901 TO BUS 242936 CKT 1F      /* 02_Y1-069 345.00 05FOSTOR 345.00
DISCONNECT BRANCH FROM BUS 238889 TO BUS 264599 CKT 1      /* 02LEMOYN 345.00 19MAJTC 345.00
END
CONTINGENCY '468'
OPEN BRANCH FROM BUS 239133 TO BUS 243458 CKT 1            / 239133 02TANGY 345 243458 05HYATT 345 1
OPEN BRANCH FROM BUS 239133 TO BUS 242939 CKT 1            / 239133 02TANGY 345 242939 05MARYSV 345 1
OPEN BRANCH FROM BUS 239133 TO BUS 239134 CKT 3            / 239133 02TANGY 345 239134 02TANGY 138 3
OPEN BRANCH FROM BUS 239133 TO BUS 239134 CKT 4            / 239133 02TANGY 345 239134 02TANGY 138 4
END
CONTINGENCY 'C5-TWL-SR065'                  /* CLARK-GREENE & CLARK-E.SPF.D. COMMON TOWER
DISCONNECT BRANCH FROM BUS 238623 TO BUS 253026 CKT 1      /* 02CLARK 138.00 09GREENE 138.00
DISCONNECT BRANCH FROM BUS 238703 TO BUS 238529 CKT 1      /* 02ESPRNG 138.00 02AIRPK+ 138.00
DISCONNECT BRANCH FROM BUS 238529 TO BUS 238623 CKT 1      /* 02AIRPK+ 138.00 02CLARK 138.00
REDUCE BUS 238529 LOAD BY 100 PERCENT                      /* 02AIRPK+ 138.00
DISCONNECT BUS 238529                                     /* 02AIRPK+ 138.00
END
CONTINGENCY 'C5-TWL-CR31A'                  /* CHAM-HANNA, HANNA-BEAV VAL 345
DISCONNECT BRANCH FROM BUS 238615 TO BUS 238781 CKT 1      /* 02CHAMBR 345.00 02HANNA 345.00
DISCONNECT BRANCH FROM BUS 238781 TO BUS 253902 CKT 1      /* 02HANNA 345.00 15BVRVAL 345.00
END
CONTINGENCY 'C5-TWL-CR31B'                  /* HANNA-MAN, HANNA-BEAV VAL 345
DISCONNECT BRANCH FROM BUS 238781 TO BUS 238941 CKT 1      /* 02HANNA 345.00 02MANSFD 345.00
DISCONNECT BRANCH FROM BUS 238781 TO BUS 253902 CKT 1      /* 02HANNA 345.00 15BVRVAL 345.00
END
CONTINGENCY 'TWR_59'                        /*LINE 02HANNA TO 15BVRVAL 345 CK 1; 02CHAMBR TO 02HARDIN
345 CK 1*/
OPEN BRANCH FROM BUS 238781 TO BUS 253902 CKT 1
OPEN BRANCH FROM BUS 238615 TO BUS 238783 CKT 1
END
CONTINGENCY 'TWR_58A'                       /*LINE 02HANNA TO 15BVRVAL 345 CK 1; 02HGHLND TO 02MANSFD
345 CK 1*/
OPEN BRANCH FROM BUS 238781 TO BUS 253902 CKT 1
OPEN BRANCH FROM BUS 238796 TO BUS 238941 CKT 1
END
CONTINGENCY 'C5-TWL-NR001'                  /* Q-1-AV-FW-X AND Q-11-AV-FX-X LINE OUTAGES

```



```

DISCONNECT BUS 238701          /* 02ERQ-11 138.00
DISCONNECT BUS 238656          /* 02DBQ-11 138.00
DISCONNECT BUS 238614          /* 02CFQ-14 138.00
DISCONNECT BUS 238744          /* 02FWQ-14 138.00
DISCONNECT BUS 238702          /* 02ERQ-14 138.00
DISCONNECT BUS 238711          /* 02EYTP14 138.00
DISCONNECT BUS 238657          /* 02DBQ-14 138.00
SET BUS 238613 LOAD TO 27 MW    /* 02CF Q-4 138.00
SET BUS 238541 LOAD TO 26.8 MW /* 02AS Q-1 138.00
END
/*=====AEP=====
CONTINGENCY '6836'
OPEN BRANCH FROM BUS 244377 TO BUS 242558 CKT 1      / 244377 BOLTEQ 999 242558 05BOLT 138 1
OPEN BRANCH FROM BUS 244377 TO BUS 244376 CKT 1      / 244377 BOLTEQ 999 244376 BOLT 46.0 1
OPEN BRANCH FROM BUS 242546 TO BUS 242559 CKT 1      / 242546 05BAILS1 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242547 TO BUS 242696 CKT 1      / 242547 05BAILS2 138 242696 05KOPPER 138 1
OPEN BRANCH FROM BUS 242558 TO BUS 242559 CKT 1      / 242558 05BOLT 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242559 TO BUS 242820 CKT 1      / 242559 05BOLT Z 138 242820 05SUNDL1 138 1
END
CONTINGENCY '6835'
OPEN BRANCH FROM BUS 244377 TO BUS 242558 CKT 1      / 244377 BOLTEQ 999 242558 05BOLT 138 1
OPEN BRANCH FROM BUS 244377 TO BUS 244376 CKT 1      / 244377 BOLTEQ 999 244376 BOLT 46.0 1
OPEN BRANCH FROM BUS 242546 TO BUS 242559 CKT 1      / 242546 05BAILS1 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242558 TO BUS 242559 CKT 1      / 242558 05BOLT 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242559 TO BUS 242820 CKT 1      / 242559 05BOLT Z 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242696 TO BUS 242821 CKT 1      / 242696 05KOPPER 138 242821 05SUNDL2 138 1
END
CONTINGENCY '6833'
OPEN BRANCH FROM BUS 244377 TO BUS 242558 CKT 1      / 244377 BOLTEQ 999 242558 05BOLT 138 1
OPEN BRANCH FROM BUS 244377 TO BUS 244376 CKT 1      / 244377 BOLTEQ 999 244376 BOLT 46.0 1
OPEN BRANCH FROM BUS 242546 TO BUS 242559 CKT 1      / 242546 05BAILS1 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242547 TO BUS 242696 CKT 1      / 242547 05BAILS2 138 242696 05KOPPER 138 1
OPEN BRANCH FROM BUS 242558 TO BUS 242559 CKT 1      / 242558 05BOLT 138 242559 05BOLT Z 138 1
OPEN BRANCH FROM BUS 242559 TO BUS 242820 CKT 1      / 242559 05BOLT Z 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242696 TO BUS 242821 CKT 1      / 242696 05KOPPER 138 242821 05SUNDL2 138 1
OPEN BRANCH FROM BUS 242696 TO BUS 244419 CKT 1      / 242696 05KOPPER 138 244419 KPPERS L 13.0 1
END
CONTINGENCY '7616'
OPEN BRANCH FROM BUS 246445 TO BUS 243277 CKT 1      / 246445 DERBY EQ 999 243277 05DERBY 138 1
OPEN BRANCH FROM BUS 246445 TO BUS 246443 CKT 1      / 246445 DERBY EQ 999 246443 DERBY 69.0 1
OPEN BRANCH FROM BUS 246445 TO BUS 246442 CKT 1      / 246445 DERBY EQ 999 246442 DERBY 34.5 1
OPEN BRANCH FROM BUS 243248 TO BUS 243277 CKT 1      / 243248 05BARODA 138 243277 05DERBY 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246996 CKT 1      / 243248 05BARODA 138 246996 05PLETCH 138 1
OPEN BRANCH FROM BUS 243277 TO BUS 243335 CKT 1      / 243277 05DERBY 138 243335 05MAIN S 138 1
OPEN BRANCH FROM BUS 243308 TO BUS 246994 CKT 1      / 243308 05HICKOR 138 246994 05RICKMN 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246421 CKT Z1     / 243248 05BARODA 138 246421 BARODA L 12.0 Z1
OPEN BRANCH FROM BUS 246442 TO BUS 246446 CKT 1      / 246442 DERBY 34.5 246446 DERBY Z 34.5 1
END
CONTINGENCY '7976'
OPEN BRANCH FROM BUS 244708 TO BUS 242626 CKT 1      / 244708 E.HUNTEQ 999 242626 05E HUNT 138 1
OPEN BRANCH FROM BUS 244708 TO BUS 244709 CKT 1      / 244708 E.HUNTEQ 999 244709 E.HUNTGT 69.0 1
OPEN BRANCH FROM BUS 244708 TO BUS 244705 CKT 1      / 244708 E.HUNTEQ 999 244705 E HUNTGT 34.5 1
OPEN BRANCH FROM BUS 243675 TO BUS 243064 CKT 1      / 243675 05BELLF1 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 242626 TO BUS 243064 CKT 1      / 242626 05E HUNT 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 243064 TO BUS 243088 CKT 1      / 243064 05NPROCT 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 243675 TO BUS 243762 CKT 1      / 243675 05BELLF1 138 243762 BELLEFNT 34.5 1
OPEN BRANCH FROM BUS 242626 TO BUS 244706 CKT 1      / 242626 05E HUNT 138 244706 E.HUNT F 34.5 1
OPEN BRANCH FROM BUS 242626 TO BUS 244707 CKT 1      / 242626 05E HUNT 138 244707 E.HUNT L 34.5 1
OPEN BRANCH FROM BUS 244695 TO BUS 244706 CKT 1      / 244695 CONNOR F 34.5 244706 E.HUNT F 34.5 1
END
CONTINGENCY '7773'

```

OPEN BRANCH FROM BUS 245749 TO BUS 243004 CKT 1	/ 245749 FNDCTREQ 999 243004 05FINDLC 138 1
OPEN BRANCH FROM BUS 245749 TO BUS 245747 CKT 1	/ 245749 FNDCTREQ 999 245747 FINDLY C 34.5 1
OPEN BRANCH FROM BUS 247172 TO BUS 243033 CKT 1	/ 247172 05EBERSO 138 243033 05MARN Z 138 1
OPEN BRANCH FROM BUS 243004 TO BUS 243033 CKT 1	/ 243004 05FINDLC 138 243033 05MARN Z 138 1
OPEN BRANCH FROM BUS 247172 TO BUS 247211 CKT 1	/ 247172 05EBERSO 138 247211 EBERSOLE 34.5 1
OPEN BRANCH FROM BUS 243033 TO BUS 245797 CKT 1	/ 243033 05MARN Z 138 245797 MARION 8 12.0 1
OPEN BRANCH FROM BUS 247211 TO BUS 245754 CKT 1	/ 247211 EBERSOLE 34.5 245754 LANDMRK8 34.5 1
END	
CONTINGENCY '8055'	
OPEN BRANCH FROM BUS 244190 TO BUS 242646 CKT 1	/ 244190 FT.ROBEQ 999 242646 05FT.ROB 138 1
OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1	/ 244218 WKINGSEQ 999 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 244190 TO BUS 244189 CKT 1	/ 244190 FT.ROBEQ 999 244189 FT.ROB 69.0 1
OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1	/ 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
OPEN BRANCH FROM BUS 244190 TO BUS 244188 CKT 1	/ 244190 FT.ROBEQ 999 244188 FT.ROB 34.5 1
OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1	/ 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242729 CKT 1	/ 242646 05FT.ROB 138 242729 05NAGEL 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1	/ 242738 05ORBNK1 138 242850 05WOLFH1 138 1
OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1	/ 242849 05WKINGP 138 244217 WKINGS L 34.5 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
OPEN BRANCH FROM BUS 242678 TO BUS 244198 CKT 1	/ 242678 05INDIAS 138 244198 INDSPL L 12.0 1
OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1	/ 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
OPEN BRANCH FROM BUS 244188 TO BUS 244199 CKT 1	/ 244188 FT.ROB 34.5 244199 KYLEHILL 34.5 1
OPEN BRANCH FROM BUS 244188 TO BUS 244212 CKT 1	/ 244188 FT.ROB 34.5 244212 ROTHERWD 34.5 1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRV L 13.8
END	
CONTINGENCY '8057'	
OPEN BRANCH FROM BUS 244190 TO BUS 242646 CKT 1	/ 244190 FT.ROBEQ 999 242646 05FT.ROB 138 1
OPEN BRANCH FROM BUS 244207 TO BUS 242762 CKT 1	/ 244207 REEDYCEQ 999 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 244190 TO BUS 244189 CKT 1	/ 244190 FT.ROBEQ 999 244189 FT.ROB 69.0 1
OPEN BRANCH FROM BUS 244207 TO BUS 244210 CKT 1	/ 244207 REEDYCEQ 999 244210 REEDYCRK 69.0 1
OPEN BRANCH FROM BUS 244190 TO BUS 244188 CKT 1	/ 244190 FT.ROBEQ 999 244188 FT.ROB 34.5 1
OPEN BRANCH FROM BUS 244207 TO BUS 244209 CKT 1	/ 244207 REEDYCEQ 999 244209 REEDYCRK 34.5 1
OPEN BRANCH FROM BUS 242646 TO BUS 242729 CKT 1	/ 242646 05FT.ROB 138 242729 05NAGEL 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBNK2 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1	/ 242738 05ORBNK1 138 242850 05WOLFH1 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 244205 CKT Z1	/ 242739 05ORBNK2 138 244205 ORBNK1 L 12.0 Z1
OPEN BRANCH FROM BUS 242739 TO BUS 244206 CKT Z1	/ 242739 05ORBNK2 138 244206 ORBNK2 L 12.0 Z1
OPEN BRANCH FROM BUS 242798 TO BUS 244214 CKT 1	/ 242798 05SHORT 138 244214 SHORTH L 12.0 1
OPEN BRANCH FROM BUS 244210 TO BUS 244208 CKT 1	/ 244210 REEDYCRK 69.0 244208 REEDYCR 12.0 1
OPEN BRANCH FROM BUS 244188 TO BUS 244199 CKT 1	/ 244188 FT.ROB 34.5 244199 KYLEHILL 34.5 1
OPEN BRANCH FROM BUS 244188 TO BUS 244212 CKT 1	/ 244188 FT.ROB 34.5 244212 ROTHERWD 34.5 1
OPEN BRANCH FROM BUS 244209 TO BUS 244211 CKT 1	/ 244209 REEDYCRK 34.5 244211 REEDYCRZ 34.5 1
END	
CONTINGENCY '8000'	
OPEN BRANCH FROM BUS 246124 TO BUS 243309 CKT 1	/ 246124 HILLCREQ 999 243309 05HILLCR 138 1
OPEN BRANCH FROM BUS 246124 TO BUS 246242 CKT 1	/ 246124 HILLCREQ 999 246242 HILLCRES 69.0 1
OPEN BRANCH FROM BUS 246124 TO BUS 246125 CKT 1	/ 246124 HILLCREQ 999 246125 HILLCRES 34.5 1
OPEN BRANCH FROM BUS 243242 TO BUS 243334 CKT 1	/ 243242 05ALLEN 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 243391 CKT 1	/ 243242 05ALLEN 138 243391 05WAYNET 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 243391 CKT 1	/ 243309 05HILLCR 138 243391 05WAYNET 138 1
OPEN BRANCH FROM BUS 243309 TO BUS 246123 CKT 2	/ 243309 05HILLCR 138 246123 HILLCR L 12.0 2

OPEN BRANCH FROM BUS 243391 TO BUS 246167 CKT 1	/ 243391 05WAYNET 138 246167 WAYNET L 12.0 1
OPEN BRANCH FROM BUS 246240 TO BUS 246242 CKT 1	/ 246240 FERGUSON 69.0 246242 HILLCRES 69.0 1
OPEN BRANCH FROM BUS 246242 TO BUS 246246 CKT 1	/ 246242 HILLCRES 69.0 246246 KINNERK8 69.0 1
OPEN BRANCH FROM BUS 246125 TO BUS 246150 CKT 1	/ 246125 HILLCRES 34.5 246150 PETTIT 34.5 1
END	
CONTINGENCY '7973'	
OPEN BRANCH FROM BUS 242910 TO BUS 243021 CKT 1	/ 242910 HNGROCEQ 999 243021 05HNG RK 138 1
OPEN BRANCH FROM BUS 242910 TO BUS 244959 CKT 1	/ 242910 HNGROCEQ 999 244959 HANGROCK 69.0 1
OPEN BRANCH FROM BUS 242910 TO BUS 244958 CKT 1	/ 242910 HNGROCEQ 999 244958 HANGROCK 34.5 1
OPEN BRANCH FROM BUS 243675 TO BUS 243022 CKT 1	/ 243675 05BELLF1 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 242992 TO BUS 243022 CKT 1	/ 242992 05E WHEE 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 243021 TO BUS 243022 CKT 1	/ 243021 05HNG RK 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243088 CKT 1	/ 243042 05MILLBR 138 243088 05S POIN 138 1
END	
CONTINGENCY '7974'	
OPEN BRANCH FROM BUS 242910 TO BUS 243021 CKT 1	/ 242910 HNGROCEQ 999 243021 05HNG RK 138 1
OPEN BRANCH FROM BUS 242910 TO BUS 244959 CKT 1	/ 242910 HNGROCEQ 999 244959 HANGROCK 69.0 1
OPEN BRANCH FROM BUS 242910 TO BUS 244958 CKT 1	/ 242910 HNGROCEQ 999 244958 HANGROCK 34.5 1
OPEN BRANCH FROM BUS 243675 TO BUS 243022 CKT 1	/ 243675 05BELLF1 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 243675 TO BUS 243064 CKT 1	/ 243675 05BELLF1 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 242992 TO BUS 243022 CKT 1	/ 242992 05E WHEE 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 243021 TO BUS 243022 CKT 1	/ 243021 05HNG RK 138 243022 05HNGRKZ 138 1
OPEN BRANCH FROM BUS 243675 TO BUS 243762 CKT 1	/ 243675 05BELLF1 138 243762 BELLEFNT 34.5 1
END	
CONTINGENCY '8394'	
OPEN BRANCH FROM BUS 244496 TO BUS 242671 CKT 1	/ 244496 HOPKNSEQ 999 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 244496 TO BUS 244494 CKT 1	/ 244496 HOPKNSEQ 999 244494 HOPKINS 69.0 1
OPEN BRANCH FROM BUS 244496 TO BUS 244493 CKT 1	/ 244496 HOPKNSEQ 999 244493 HOPKINS 46.0 1
OPEN BRANCH FROM BUS 242537 TO BUS 247091 CKT 1	/ 242537 05AMOS 138 247091 05LAKEVI 138 1
OPEN BRANCH FROM BUS 242537 TO BUS 242814 CKT 1	/ 242537 05AMOS 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242655 CKT 1	/ 242539 05ANGLBR 138 242655 05GRASFK 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242672 CKT 1	/ 242539 05ANGLBR 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242539 TO BUS 242814 CKT 1	/ 242539 05ANGLBR 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242553 TO BUS 242671 CKT 1	/ 242553 05BETH 138 242671 05HOPKIN 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242672 CKT 1	/ 242671 05HOPKIN 138 242672 05HOPKRE 138 1
OPEN BRANCH FROM BUS 242671 TO BUS 242834 CKT 1	/ 242671 05HOPKIN 138 242834 05TRCFOR 138 1
OPEN BRANCH FROM BUS 247091 TO BUS 242836 CKT 1	/ 247091 05LAKEVI 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242655 TO BUS 244815 CKT 1	/ 242655 05GRASFK 138 244815 GRASFK L 34.5 1
OPEN BRANCH FROM BUS 242671 TO BUS 244489 CKT 1	/ 242671 05HOPKIN 138 244489 HOPKN L2 34.5 Z1
OPEN BRANCH FROM BUS 242553 TO BUS 244472 CKT 1	/ 242553 05BETH 138 244472 BETH L 12.0 1
OPEN BRANCH FROM BUS 242671 TO BUS 244495 CKT 1	/ 242671 05HOPKIN 138 244495 HOPKNS L 12.0 1
OPEN BRANCH FROM BUS 247091 TO BUS 247092 CKT 1	/ 247091 05LAKEVI 138 247092 LAKEVI L 12.0 Z1
OPEN BRANCH FROM BUS 242814 TO BUS 244869 CKT 1	/ 242814 05ST.ALB 138 244869 STALBN L 12.0 1
OPEN BRANCH FROM BUS 244494 TO BUS 244512 CKT 1	/ 244494 HOPKINS 69.0 244512 ROBINSON 69.0 1
END	
CONTINGENCY '7811'	
OPEN BRANCH FROM BUS 244888 TO BUS 242695 CKT 1	/ 244888 KNCAIDEQ 999 242695 05KINCAI 138 1
OPEN BRANCH FROM BUS 244888 TO BUS 244416 CKT 1	/ 244888 KNCAIDEQ 999 244416 KINCAID 69.0 1
OPEN BRANCH FROM BUS 244888 TO BUS 244886 CKT 1	/ 244888 KNCAIDEQ 999 244886 KINCAID 46.0 1
OPEN BRANCH FROM BUS 242564 TO BUS 247333 CKT 1	/ 242564 05BRADL1 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 242565 TO BUS 242695 CKT 1	/ 242565 05BRADL2 138 242695 05KINCAI 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 242695 CKT 1	/ 242689 05KANAWH 138 242695 05KINCAI 138 1
OPEN BRANCH FROM BUS 242689 TO BUS 247333 CKT 1	/ 242689 05KANAWH 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 247333 TO BUS 247334 CKT 1	/ 247333 05PAX BR 138 247334 PAX BR 46.0 1
OPEN BRANCH FROM BUS 244416 TO BUS 244435 CKT 1	/ 244416 KINCAID 69.0 244435 OAK HILL 69.0 1
END	
CONTINGENCY '7768'	
OPEN BRANCH FROM BUS 245771 TO BUS 243059 CKT 1	/ 245771 NFIND EQ 999 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 245775 TO BUS 243067 CKT 1	/ 245775 NWOODCEQ 999 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245771 TO BUS 245764 CKT 1	/ 245771 NFIND EQ 999 245764 N FINDLA 69.0 1
OPEN BRANCH FROM BUS 245775 TO BUS 245766 CKT 1	/ 245775 NWOODCEQ 999 245766 N WOODCK 69.0 1

OPEN BRANCH FROM BUS 245771 TO BUS 245772 CKT 1	/ 245771 NFIND EQ 999 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245775 TO BUS 245765 CKT 1	/ 245775 NWOODCEQ 999 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243067 CKT 1	/ 242989 05E LIMA 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 247172 TO BUS 243057 CKT 1	/ 247172 05EBERSO 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245763 TO BUS 245766 CKT 1	/ 245763 N BLUFFT 69.0 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245738 TO BUS 245772 CKT 1	/ 245738 DOWCHEM2 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245788 TO BUS 245765 CKT 1	/ 245788 DTR 34.5 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 245726 TO BUS 245772 CKT 1	/ 245726 GRIFTHSS 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245772 TO BUS 245791 CKT 1	/ 245772 NFINDLY1 34.5 245791 VANBURN8 34.5 1
END	
CONTINGENCY '7754'	
OPEN BRANCH FROM BUS 245771 TO BUS 243059 CKT 1	/ 245771 NFIND EQ 999 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 245775 TO BUS 243067 CKT 1	/ 245775 NWOODCEQ 999 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245771 TO BUS 245764 CKT 1	/ 245771 NFIND EQ 999 245764 N FINDLA 69.0 1
OPEN BRANCH FROM BUS 245775 TO BUS 245766 CKT 1	/ 245775 NWOODCEQ 999 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245771 TO BUS 245772 CKT 1	/ 245771 NFIND EQ 999 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245775 TO BUS 245765 CKT 1	/ 245775 NWOODCEQ 999 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243057 CKT 1	/ 242989 05E LIMA 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 242989 TO BUS 243067 CKT 1	/ 242989 05E LIMA 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245763 TO BUS 245766 CKT 1	/ 245763 N BLUFFT 69.0 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245738 TO BUS 245772 CKT 1	/ 245738 DOWCHEM2 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245788 TO BUS 245765 CKT 1	/ 245788 DTR 34.5 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 245726 TO BUS 245772 CKT 1	/ 245726 GRIFTHSS 34.5 245772 NFINDLY1 34.5 1
OPEN BRANCH FROM BUS 245772 TO BUS 245791 CKT 1	/ 245772 NFINDLY1 34.5 245791 VANBURN8 34.5 1
END	
CONTINGENCY '7769'	
OPEN BRANCH FROM BUS 245775 TO BUS 243067 CKT 1	/ 245775 NWOODCEQ 999 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245775 TO BUS 245766 CKT 1	/ 245775 NWOODCEQ 999 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245775 TO BUS 245765 CKT 1	/ 245775 NWOODCEQ 999 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243067 CKT 1	/ 242989 05E LIMA 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 247172 TO BUS 243057 CKT 1	/ 247172 05EBERSO 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245763 TO BUS 245766 CKT 1	/ 245763 N BLUFFT 69.0 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245788 TO BUS 245765 CKT 1	/ 245788 DTR 34.5 245765 N WOODCK 34.5 1
END	
CONTINGENCY '7755'	
OPEN BRANCH FROM BUS 245775 TO BUS 243067 CKT 1	/ 245775 NWOODCEQ 999 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245775 TO BUS 245766 CKT 1	/ 245775 NWOODCEQ 999 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245775 TO BUS 245765 CKT 1	/ 245775 NWOODCEQ 999 245765 N WOODCK 34.5 1
OPEN BRANCH FROM BUS 242989 TO BUS 243057 CKT 1	/ 242989 05E LIMA 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 242989 TO BUS 243067 CKT 1	/ 242989 05E LIMA 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 243067 CKT 1	/ 243059 05NFINDL 138 243067 05NWOODC 138 1
OPEN BRANCH FROM BUS 245763 TO BUS 245766 CKT 1	/ 245763 N BLUFFT 69.0 245766 N WOODCK 69.0 1
OPEN BRANCH FROM BUS 245788 TO BUS 245765 CKT 1	/ 245788 DTR 34.5 245765 N WOODCK 34.5 1
END	
CONTINGENCY '8051'	
OPEN BRANCH FROM BUS 244207 TO BUS 242762 CKT 1	/ 244207 REEDYCEQ 999 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1	/ 244218 WKINGSEQ 999 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 244207 TO BUS 244210 CKT 1	/ 244207 REEDYCEQ 999 244210 REEDYCRK 69.0 1
OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1	/ 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
OPEN BRANCH FROM BUS 244207 TO BUS 244209 CKT 1	/ 244207 REEDYCEQ 999 244209 REEDYCRK 34.5 1
OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1	/ 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBNK2 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1

OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1	/ 242849 05WKINGP 138 244217 WKINGS L 34.5 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
OPEN BRANCH FROM BUS 242678 TO BUS 244198 CKT 1	/ 242678 05INDIAS 138 244198 INDSPR L 12.0 1
OPEN BRANCH FROM BUS 242739 TO BUS 244205 CKT Z1	/ 242739 05ORBNK2 138 244205 ORBNK1 L 12.0 Z1
OPEN BRANCH FROM BUS 242739 TO BUS 244206 CKT Z1	/ 242739 05ORBNK2 138 244206 ORBNK2 L 12.0 Z1
OPEN BRANCH FROM BUS 242798 TO BUS 244214 CKT 1	/ 242798 05SHORT 138 244214 SHORTH L 12.0 1
OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1	/ 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
OPEN BRANCH FROM BUS 244210 TO BUS 244208 CKT 1	/ 244210 REEDYCRK 69.0 244208 REEDYCR 12.0 1
OPEN BRANCH FROM BUS 244209 TO BUS 244211 CKT 1	/ 244209 REEDYCRK 34.5 244211 REEDYCRZ 34.5 1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRV L 13.8
END	
CONTINGENCY '8048'	
OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1	/ 244218 WKINGSEQ 999 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1	/ 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1	/ 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242670 TO BUS 242722 CKT 1	/ 242670 05HOLST2 138 242722 05MORLAN 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1	/ 242849 05WKINGP 138 244217 WKINGS L 34.5 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
OPEN BRANCH FROM BUS 242678 TO BUS 244198 CKT 1	/ 242678 05INDIAS 138 244198 INDSPR L 12.0 1
OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1	/ 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRV L 13.8
END	
CONTINGENCY '8045'	
OPEN BRANCH FROM BUS 244218 TO BUS 242849 CKT 1	/ 244218 WKINGSEQ 999 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 244218 TO BUS 244220 CKT 1	/ 244218 WKINGSEQ 999 244220 WKINGSP 69.0 1
OPEN BRANCH FROM BUS 244218 TO BUS 244219 CKT 1	/ 244218 WKINGSEQ 999 244219 WKINGSP 34.5 1
OPEN BRANCH FROM BUS 242605 TO BUS 242793 CKT 1	/ 242605 05CLNCHR 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 242793 CKT 1	/ 242624 05DICKEN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242677 TO BUS 242849 CKT 1	/ 242677 05INDDRV 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242722 TO BUS 242793 CKT 1	/ 242722 05MORLAN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05WKINGP 138 1
OPEN BRANCH FROM BUS 242849 TO BUS 244217 CKT 1	/ 242849 05WKINGP 138 244217 WKINGS L 34.5 1
OPEN BRANCH FROM BUS 242677 TO BUS 244221 CKT Z1	/ 242677 05INDDRV 138 244221 INDDRV L 13.8 Z1
OPEN BRANCH FROM BUS 242624 TO BUS 244232 CKT 1	/ 242624 05DICKEN 138 244232 DICKEN L 12.0 1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
OPEN BRANCH FROM BUS 242678 TO BUS 244198 CKT 1	/ 242678 05INDIAS 138 244198 INDSPR L 12.0 1
OPEN BRANCH FROM BUS 242849 TO BUS 244195 CKT 1	/ 242849 05WKINGP 138 244195 HLSTOR L 12.0 1
REMOVE UNIT 1 FROM BUS 244221	/ 244221 INDDRV L 13.8
END	
CONTINGENCY '7486'	
OPEN BRANCH FROM BUS 243211 TO BUS 243231 CKT 1	/ 243211 05ALLEN 345 243231 05ROB PK 345 1
OPEN BRANCH FROM BUS 243211 TO BUS 242933 CKT 1	/ 243211 05ALLEN 345 242933 05RPMONE 345 1
END	
CONTINGENCY '7487'	
OPEN BRANCH FROM BUS 243211 TO BUS 242933 CKT 1	/ 243211 05ALLEN 345 242933 05RPMONE 345 1
OPEN BRANCH FROM BUS 243211 TO BUS 243232 CKT 1	/ 243211 05ALLEN 345 243232 05SORENS 345 1
END	
CONTINGENCY '7671'	
OPEN BRANCH FROM BUS 242522 TO BUS 242525 CKT 1	/ 242522 05AMOS 345 242525 05KANAWH 345 1
OPEN BRANCH FROM BUS 242525 TO BUS 242528 CKT 1	/ 242525 05KANAWH 345 242528 05SPORN 345 1

OPEN BRANCH FROM BUS 242525 TO BUS 242689 CKT B END	/ 242525 05KANAWH 345 242689 05KANAWH 138 B
CONTINGENCY '402'	
OPEN BRANCH FROM BUS 242522 TO BUS 242525 CKT 1	/ 242522 05AMOS 345 242525 05KANAWH 345 1
OPEN BRANCH FROM BUS 242522 TO BUS 242528 CKT 1 END	/ 242522 05AMOS 345 242528 05SPORN 345 1
CONTINGENCY '7672'	
OPEN BRANCH FROM BUS 242522 TO BUS 242528 CKT 1	/ 242522 05AMOS 345 242528 05SPORN 345 1
OPEN BRANCH FROM BUS 242525 TO BUS 242528 CKT 1 END	/ 242525 05KANAWH 345 242528 05SPORN 345 1
CONTINGENCY '6783'	
OPEN BRANCH FROM BUS 243453 TO BUS 243454 CKT 1	/ 243453 05BEATTY 345 243454 05BIXBY 345 1
OPEN BRANCH FROM BUS 246888 TO BUS 243454 CKT 1 END	/ 246888 05BIERSR 345 243454 05BIXBY 345 1
CONTINGENCY '7027'	
OPEN BRANCH FROM BUS 243212 TO BUS 243215 CKT 1	/ 243212 05BENTON 345 243215 05COOK 345 1
OPEN BRANCH FROM BUS 243215 TO BUS 247502 CKT 2 END	/ 243215 05COOK 345 247502 T-094 345 2
CONTINGENCY '7030'	
OPEN BRANCH FROM BUS 243212 TO BUS 247502 CKT 1	/ 243212 05BENTON 345 247502 T-094 345 1
OPEN BRANCH FROM BUS 243215 TO BUS 247502 CKT 2 END	/ 243215 05COOK 345 247502 T-094 345 2
CONTINGENCY '474'	
OPEN BRANCH FROM BUS 242931 TO BUS 247130 CKT 1	/ 242931 05BEVERL 345 247130 05HOLLOW 345 1
OPEN BRANCH FROM BUS 242937 TO BUS 242940 CKT 1 END	/ 242937 05KAMMER 345 242940 05MUSKNG 345 1
CONTINGENCY '476'	
OPEN BRANCH FROM BUS 242931 TO BUS 247130 CKT 1	/ 242931 05BEVERL 345 247130 05HOLLOW 345 1
OPEN BRANCH FROM BUS 242937 TO BUS 242948 CKT 1	/ 242937 05KAMMER 345 242948 05WBELLA 345 1
OPEN BRANCH FROM BUS 242946 TO BUS 242948 CKT 1 END	/ 242946 05TIDD 345 242948 05WBELLA 345 1
CONTINGENCY '473'	
OPEN BRANCH FROM BUS 242931 TO BUS 242940 CKT 1	/ 242931 05BEVERL 345 242940 05MUSKNG 345 1
OPEN BRANCH FROM BUS 242937 TO BUS 242940 CKT 1 END	/ 242937 05KAMMER 345 242940 05MUSKNG 345 1
CONTINGENCY '471'	
OPEN BRANCH FROM BUS 243454 TO BUS 243459 CKT 1	/ 243454 05BIXBY 345 243459 05KIRK 345 1
OPEN BRANCH FROM BUS 243459 TO BUS 242949 CKT 1 END	/ 243459 05KIRK 345 242949 05WMILLP 345 1
CONTINGENCY '6797'	
OPEN BRANCH FROM BUS 243454 TO BUS 243459 CKT 1	/ 243454 05BIXBY 345 243459 05KIRK 345 1
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1 END	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
CONTINGENCY '8421'	
OPEN BRANCH FROM BUS 243454 TO BUS 242941 CKT 1	/ 243454 05BIXBY 345 242941 05OHIOCT 345 1
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1 END	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
CONTINGENCY '430'	
OPEN BRANCH FROM BUS 243213 TO BUS 243216 CKT 1	/ 243213 05BREED 345 243216 05DARWIN 345 1
OPEN BRANCH FROM BUS 243213 TO BUS 243217 CKT 1 END	/ 243213 05BREED 345 243217 05DEQUIN 345 1
CONTINGENCY '6094'	
OPEN BRANCH FROM BUS 243213 TO BUS 243217 CKT 1	/ 243213 05BREED 345 243217 05DEQUIN 345 1
OPEN BRANCH FROM BUS 243217 TO BUS 243221 CKT 1 END	/ 243217 05DEQUIN 345 243221 05EUGENE 345 1
CONTINGENCY '431'	
OPEN BRANCH FROM BUS 243213 TO BUS 243217 CKT 1	/ 243213 05BREED 345 243217 05DEQUIN 345 1
OPEN BRANCH FROM BUS 243216 TO BUS 243221 CKT 1 END	/ 243216 05DARWIN 345 243221 05EUGENE 345 1
CONTINGENCY '461'	
OPEN BRANCH FROM BUS 242932 TO BUS 242943 CKT 1	/ 242932 05CANTNC 345 242943 05SCANTO 345 1

OPEN BRANCH FROM BUS 242932 TO BUS 242944 CKT 1 END	/ 242932 05CANTNC 345 242944 05SECANT 345 1
CONTINGENCY '6609'	
OPEN BRANCH FROM BUS 242932 TO BUS 242944 CKT 1	/ 242932 05CANTNC 345 242944 05SECANT 345 1
OPEN BRANCH FROM BUS 242943 TO BUS 242944 CKT 1 END	/ 242943 05SCANTO 345 242944 05SECANT 345 1
CONTINGENCY '6186'	
OPEN BRANCH FROM BUS 242524 TO BUS 242527 CKT 1	/ 242524 05CLOVRD 345 242527 05M FUNK 345 1
OPEN BRANCH FROM BUS 242525 TO BUS 242526 CKT 20	/ 242525 05KANAWH 345 242526 05KANAWZ 345 Z0
OPEN BRANCH FROM BUS 242526 TO BUS 242527 CKT 1	/ 242526 05KANAWZ 345 242527 05M FUNK 345 1
OPEN BRANCH FROM BUS 242527 TO BUS 242708 CKT 1	/ 242527 05M FUNK 345 242708 05M FUNK 138 1
OPEN BRANCH FROM BUS 242527 TO BUS 242708 CKT 2 END	/ 242527 05M FUNK 345 242708 05M FUNK 138 2
CONTINGENCY '7206'	
OPEN BRANCH FROM BUS 243455 TO BUS 243458 CKT 1	/ 243455 05CONES 345 243458 05HYATT 345 1
OPEN BRANCH FROM BUS 243458 TO BUS 246752 CKT 1 END	/ 243458 05HYATT 345 246752 05VASSEL 345 1
CONTINGENCY '8033'	
OPEN BRANCH FROM BUS 243215 TO BUS 243220 CKT 1	/ 243215 05COOK 345 243220 05EELKHA 345 1
OPEN BRANCH FROM BUS 243215 TO BUS 243224 CKT 1 END	/ 243215 05COOK 345 243224 05KENZIE 345 1
CONTINGENCY '8032'	
OPEN BRANCH FROM BUS 243215 TO BUS 243220 CKT 1	/ 243215 05COOK 345 243220 05EELKHA 345 1
OPEN BRANCH FROM BUS 243224 TO BUS 243234 CKT 1 END	/ 243224 05KENZIE 345 243234 05TWIN B 345 1
CONTINGENCY '438'	
OPEN BRANCH FROM BUS 243215 TO BUS 243223 CKT 1	/ 243215 05COOK 345 243223 05JACKSR 345 1
OPEN BRANCH FROM BUS 243215 TO BUS 243229 CKT 1 END	/ 243215 05COOK 345 243229 05OLIVE 345 1
CONTINGENCY '439'	
OPEN BRANCH FROM BUS 243215 TO BUS 243223 CKT 1	/ 243215 05COOK 345 243223 05JACKSR 345 1
OPEN BRANCH FROM BUS 243219 TO BUS 243232 CKT 1 END	/ 243219 05DUMONT 345 243232 05SORENS 345 1
CONTINGENCY '6560'	
OPEN BRANCH FROM BUS 243215 TO BUS 243223 CKT 1	/ 243215 05COOK 345 243223 05JACKSR 345 1
OPEN BRANCH FROM BUS 243215 TO BUS 243229 CKT 1	/ 243215 05COOK 345 243229 05OLIVE 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243234 CKT 1	/ 243223 05JACKSR 345 243234 05TWIN B 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243318 CKT 3 END	/ 243223 05JACKSR 345 243318 05JACKSR 138 3
CONTINGENCY '7210'	
OPEN BRANCH FROM BUS 243456 TO BUS 246752 CKT 1	/ 243456 05CORRID 345 246752 05VASSEL 345 1
OPEN BRANCH FROM BUS 243456 TO BUS 246752 CKT 2 END	/ 243456 05CORRID 345 246752 05VASSEL 345 2
CONTINGENCY '6484'	
OPEN BRANCH FROM BUS 243217 TO BUS 243878 CKT 1	/ 243217 05DEQUIN 345 243878 05MEADOW 345 1
OPEN BRANCH FROM BUS 243217 TO BUS 243878 CKT 2 END	/ 243217 05DEQUIN 345 243878 05MEADOW 345 2
CONTINGENCY '6872'	
OPEN BRANCH FROM BUS 243218 TO BUS 243225 CKT 1	/ 243218 05DESOTO 345 243225 05KEYSTN 345 1
OPEN BRANCH FROM BUS 243218 TO BUS 243232 CKT 2	/ 243218 05DESOTO 345 243232 05SORENS 345 2
OPEN BRANCH FROM BUS 243218 TO BUS 247508 CKT 1 END	/ 243218 05DESOTO 345 247508 U2-090 C 345 1
CONTINGENCY '8713'	
OPEN BRANCH FROM BUS 243218 TO BUS 243232 CKT 2	/ 243218 05DESOTO 345 243232 05SORENS 345 2
OPEN BRANCH FROM BUS 243218 TO BUS 247508 CKT 1	/ 243218 05DESOTO 345 247508 U2-090 C 345 1
OPEN BRANCH FROM BUS 243218 TO BUS 247508 CKT 2 END	/ 243218 05DESOTO 345 247508 U2-090 C 345 2
CONTINGENCY '447'	
OPEN BRANCH FROM BUS 243219 TO BUS 243232 CKT 1	/ 243219 05DUMONT 345 243232 05SORENS 345 1
OPEN BRANCH FROM BUS 243223 TO BUS 243234 CKT 1 END	/ 243223 05JACKSR 345 243234 05TWIN B 345 1

CONTINGENCY '446'	
OPEN BRANCH FROM BUS 243219 TO BUS 243232 CKT 1	/ 243219 05DUMONT 345 243232 05SORENS 345 1
OPEN BRANCH FROM BUS 243219 TO BUS 909144 CKT 2	/ 243219 05DUMONT 345 909144 X2-052 TAP 345 2
END	
CONTINGENCY '449'	
OPEN BRANCH FROM BUS 243219 TO BUS 243232 CKT 1	/ 243219 05DUMONT 345 243232 05SORENS 345 1
OPEN BRANCH FROM BUS 243228 TO BUS 243232 CKT 1	/ 243228 05MERIDN 345 243232 05SORENS 345 1
END	
CONTINGENCY '450'	
OPEN BRANCH FROM BUS 243219 TO BUS 243234 CKT 1	/ 243219 05DUMONT 345 243234 05TWIN B 345 1
OPEN BRANCH FROM BUS 243219 TO BUS 243234 CKT 2	/ 243219 05DUMONT 345 243234 05TWIN B 345 2
END	
CONTINGENCY '7393'	
OPEN BRANCH FROM BUS 242935 TO BUS 242945 CKT 1	/ 242935 05E LIMA 345 242945 05SW LIM 345 1
OPEN BRANCH FROM BUS 242935 TO BUS 247506 CKT 1	/ 242935 05E LIMA 345 247506 U2-041 C 345 1
END	
CONTINGENCY '6707'	
OPEN BRANCH FROM BUS 242935 TO BUS 242945 CKT 1	/ 242935 05E LIMA 345 242945 05SW LIM 345 1
OPEN BRANCH FROM BUS 242945 TO BUS 247504 CKT 1	/ 242945 05SW LIM 345 247504 T-142 C 345 1
END	
CONTINGENCY '6715'	
OPEN BRANCH FROM BUS 242935 TO BUS 247506 CKT 1	/ 242935 05E LIMA 345 247506 U2-041 C 345 1
OPEN BRANCH FROM BUS 242939 TO BUS 247504 CKT 1	/ 242939 05MARYSV 345 247504 T-142 C 345 1
END	
CONTINGENCY '6714'	
OPEN BRANCH FROM BUS 242935 TO BUS 247506 CKT 1	/ 242935 05E LIMA 345 247506 U2-041 C 345 1
OPEN BRANCH FROM BUS 242945 TO BUS 247504 CKT 1	/ 242945 05SW LIM 345 247504 T-142 C 345 1
END	
CONTINGENCY '8674'	
OPEN BRANCH FROM BUS 243457 TO BUS 243458 CKT 1	/ 243457 05HAYDEN 345 243458 05HYATT 345 1
OPEN BRANCH FROM BUS 247199 TO BUS 243526 CKT 1	/ 247199 05AMLIN 138 243526 05HYATT 138 1
END	
CONTINGENCY '6787'	
OPEN BRANCH FROM BUS 243458 TO BUS 242949 CKT 1	/ 243458 05HYATT 345 242949 05WMILLP 345 1
OPEN BRANCH FROM BUS 243459 TO BUS 242949 CKT 1	/ 243459 05KIRK 345 242949 05WMILLP 345 1
END	
CONTINGENCY '6798'	
OPEN BRANCH FROM BUS 243458 TO BUS 242949 CKT 1	/ 243458 05HYATT 345 242949 05WMILLP 345 1
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
END	
CONTINGENCY '453'	
OPEN BRANCH FROM BUS 243223 TO BUS 243234 CKT 1	/ 243223 05JACKSR 345 243234 05TWIN B 345 1
OPEN BRANCH FROM BUS 243228 TO BUS 243232 CKT 1	/ 243228 05MERIDN 345 243232 05SORENS 345 1
END	
CONTINGENCY '6710'	
OPEN BRANCH FROM BUS 242939 TO BUS 247504 CKT 1	/ 242939 05MARYSV 345 247504 T-142 C 345 1
OPEN BRANCH FROM BUS 242939 TO BUS 247506 CKT 1	/ 242939 05MARYSV 345 247506 U2-041 C 345 1
END	
CONTINGENCY '6788'	
OPEN BRANCH FROM BUS 242940 TO BUS 242949 CKT 1	/ 242940 05MUSKNG 345 242949 05WMILLP 345 1
OPEN BRANCH FROM BUS 242940 TO BUS 242949 CKT 2	/ 242940 05MUSKNG 345 242949 05WMILLP 345 2
END	
CONTINGENCY '6873'	
OPEN BRANCH FROM BUS 243233 TO BUS 247508 CKT 1	/ 243233 05TANNER 345 247508 U2-090 C 345 1
OPEN BRANCH FROM BUS 243233 TO BUS 247515 CKT 2	/ 243233 05TANNER 345 247515 V4-033 C 345 2
END	
CONTINGENCY '6933'	
OPEN BRANCH FROM BUS 243233 TO BUS 247508 CKT 1	/ 243233 05TANNER 345 247508 U2-090 C 345 1
OPEN BRANCH FROM BUS 247508 TO BUS 247515 CKT 2	/ 247508 U2-090 C 345 247515 V4-033 C 345 2
END	
CONTINGENCY '7346'	

OPEN BRANCH FROM BUS 243464 TO BUS 243571 CKT 1	/ 243464 05ADAMS 138 243571 05SEAMAN 138 1
OPEN BRANCH FROM BUS 243464 TO BUS 246942 CKT 1	/ 243464 05ADAMS 138 246942 05WARERD 138 1
OPEN BRANCH FROM BUS 243464 TO BUS 243594 CKT 1	/ 243464 05ADAMS 138 243594 ADAMS 69.0 1
END	
CONTINGENCY '7732'	
OPEN BRANCH FROM BUS 242953 TO BUS 243110 CKT 1	/ 242953 05AIRCO8 138 243110 05STIFFI 138 1
OPEN BRANCH FROM BUS 242953 TO BUS 243137 CKT 1	/ 242953 05AIRCO8 138 243137 05W.END 138 1
OPEN BRANCH FROM BUS 243006 TO BUS 243039 CKT 1	/ 243006 05FOSTOR 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 242953 TO BUS 245602 CKT 1	/ 242953 05AIRCO8 138 245602 AIRCO L8 12.0 1
END	
CONTINGENCY '7114'	
OPEN BRANCH FROM BUS 242953 TO BUS 243110 CKT 1	/ 242953 05AIRCO8 138 243110 05STIFFI 138 1
OPEN BRANCH FROM BUS 242953 TO BUS 243137 CKT 1	/ 242953 05AIRCO8 138 243137 05W.END 138 1
OPEN BRANCH FROM BUS 243006 TO BUS 243039 CKT 1	/ 243006 05FOSTOR 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243039 TO BUS 243110 CKT 1	/ 243039 05MELMOR 138 243110 05STIFFI 138 1
OPEN BRANCH FROM BUS 243110 TO BUS 245630 CKT 1	/ 243110 05STIFFI 138 245630 S TIFFIN 69.0 1
OPEN BRANCH FROM BUS 242953 TO BUS 245602 CKT 1	/ 242953 05AIRCO8 138 245602 AIRCO L8 12.0 1
END	
CONTINGENCY '8221'	
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1	/ 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 243329 CKT 1	/ 243254 05BURNWO 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243266 CKT 1	/ 243264 05CONCOR 138 243266 05COUNTR 138 1
OPEN BRANCH FROM BUS 243266 TO BUS 243329 CKT 1	/ 243266 05COUNTR 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243304 TO BUS 243385 CKT 1	/ 243304 05GUARDN 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 246229 CKT Z1	/ 243254 05BURNWO 138 246229 BURNWRTH 12.0 Z1
OPEN BRANCH FROM BUS 243266 TO BUS 246388 CKT 1	/ 243266 05COUNTR 138 246388 COUNTRYS 12.0 1
OPEN BRANCH FROM BUS 243329 TO BUS 246202 CKT 1	/ 243329 05LIGONE 138 246202 LIGONR L 12.0 1
END	
CONTINGENCY '8286'	
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1	/ 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 243329 CKT 1	/ 243254 05BURNWO 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243385 CKT 1	/ 243264 05CONCOR 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243266 TO BUS 243329 CKT 1	/ 243266 05COUNTR 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 246229 CKT Z1	/ 243254 05BURNWO 138 246229 BURNWRTH 12.0 Z1
OPEN BRANCH FROM BUS 243329 TO BUS 246202 CKT 1	/ 243329 05LIGONE 138 246202 LIGONR L 12.0 1
END	
CONTINGENCY '8284'	
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1	/ 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 243329 CKT 1	/ 243254 05BURNWO 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243266 CKT 1	/ 243264 05CONCOR 138 243266 05COUNTR 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243385 CKT 1	/ 243264 05CONCOR 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243266 TO BUS 243329 CKT 1	/ 243266 05COUNTR 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 246229 CKT Z1	/ 243254 05BURNWO 138 246229 BURNWRTH 12.0 Z1
OPEN BRANCH FROM BUS 243266 TO BUS 246388 CKT 1	/ 243266 05COUNTR 138 246388 COUNTRYS 12.0 1
OPEN BRANCH FROM BUS 243329 TO BUS 246202 CKT 1	/ 243329 05LIGONE 138 246202 LIGONR L 12.0 1
END	
CONTINGENCY '8222'	
OPEN BRANCH FROM BUS 243241 TO BUS 243254 CKT 1	/ 243241 05ALBION 138 243254 05BURNWO 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 243329 CKT 1	/ 243254 05BURNWO 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243266 TO BUS 243329 CKT 1	/ 243266 05COUNTR 138 243329 05LIGONE 138 1
OPEN BRANCH FROM BUS 243304 TO BUS 243385 CKT 1	/ 243304 05GUARDN 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243254 TO BUS 246229 CKT Z1	/ 243254 05BURNWO 138 246229 BURNWRTH 12.0 Z1
OPEN BRANCH FROM BUS 243329 TO BUS 246202 CKT 1	/ 243329 05LIGONE 138 246202 LIGONR L 12.0 1
END	
CONTINGENCY '7517'	
OPEN BRANCH FROM BUS 243242 TO BUS 243877 CKT 1	/ 243242 05ALLEN 138 243877 05DAWKNS 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 243342 CKT 1	/ 243877 05DAWKNS 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243366 CKT 1	/ 243305 05HACIEN 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 246237 CKT Z1	/ 243877 05DAWKNS 138 246237 DAWKINSS 12.0 Z1

OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 1	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 2	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 2
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '7514'	
OPEN BRANCH FROM BUS 243242 TO BUS 243877 CKT 1	/ 243242 05ALLEN 138 243877 05DAWKNS 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 3	/ 243242 05ALLEN 138 243330 05LINCOL 138 3
OPEN BRANCH FROM BUS 243877 TO BUS 243342 CKT 1	/ 243877 05DAWKNS 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 246237 CKT Z1	/ 243877 05DAWKNS 138 246237 DAWKINSS 12.0 Z1
END	
CONTINGENCY '7516'	
OPEN BRANCH FROM BUS 243242 TO BUS 243877 CKT 1	/ 243242 05ALLEN 138 243877 05DAWKNS 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 243342 CKT 1	/ 243877 05DAWKNS 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243877 TO BUS 246237 CKT Z1	/ 243877 05DAWKNS 138 246237 DAWKINSS 12.0 Z1
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '7474'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 1	/ 243242 05ALLEN 138 243330 05LINCOL 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 2	/ 243242 05ALLEN 138 243330 05LINCOL 138 2
END	
CONTINGENCY '7509'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 3	/ 243242 05ALLEN 138 243330 05LINCOL 138 3
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243366 CKT 1	/ 243305 05HACIEN 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 1	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 2	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 2
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '7510'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 3	/ 243242 05ALLEN 138 243330 05LINCOL 138 3
OPEN BRANCH FROM BUS 243330 TO BUS 243366 CKT 1	/ 243330 05LINCOL 138 243366 05ROB PK 138 1
END	
CONTINGENCY '7511'	
OPEN BRANCH FROM BUS 243242 TO BUS 243330 CKT 3	/ 243242 05ALLEN 138 243330 05LINCOL 138 3
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '8001'	
OPEN BRANCH FROM BUS 243242 TO BUS 243334 CKT 1	/ 243242 05ALLEN 138 243334 05MAGLEY 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 243391 CKT 1	/ 243242 05ALLEN 138 243391 05WAYNET 138 1
END	
CONTINGENCY '7372'	
OPEN BRANCH FROM BUS 243242 TO BUS 243383 CKT 1	/ 243242 05ALLEN 138 243383 05TILLMA 138 1
OPEN BRANCH FROM BUS 243242 TO BUS 247521 CKT 1	/ 243242 05ALLEN 138 247521 T-131 C 138 1
OPEN BRANCH FROM BUS 243383 TO BUS 246950 CKT 1	/ 243383 05TILLMA 138 246950 05TIMBSS 138 1
OPEN BRANCH FROM BUS 243383 TO BUS 246265 CKT 1	/ 243383 05TILLMA 138 246265 TILLMAN 34.5 1
OPEN BRANCH FROM BUS 246243 TO BUS 246265 CKT 1	/ 246243 HOFFMAN 34.5 246265 TILLMAN 34.5 1
OPEN BRANCH FROM BUS 246264 TO BUS 246265 CKT 1	/ 246264 ST R14 8 34.5 246265 TILLMAN 34.5 1
END	
CONTINGENCY '6668'	
OPEN BRANCH FROM BUS 243242 TO BUS 247521 CKT 1	/ 243242 05ALLEN 138 247521 T-131 C 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
END	
CONTINGENCY '8391'	
OPEN BRANCH FROM BUS 242537 TO BUS 242548 CKT 1	/ 242537 05AMOS 138 242548 05BANCRO 138 1

OPEN BRANCH FROM BUS 242537 TO BUS 246768 CKT 1	/ 242537 05AMOS 138 246768 05LANHAM 138 1
OPEN BRANCH FROM BUS 246768 TO BUS 242800 CKT 1	/ 246768 05LANHAM 138 242800 05SISSON 138 1
OPEN BRANCH FROM BUS 242548 TO BUS 244863 CKT 1	/ 242548 05BANCRO 138 244863 BANCROFT 69.0 1
OPEN BRANCH FROM BUS 242800 TO BUS 244868 CKT 1	/ 242800 05SISSON 138 244868 SISSON L 34.5 1
OPEN BRANCH FROM BUS 242548 TO BUS 244862 CKT 1	/ 242548 05BANCRO 138 244862 BANCROFT L 12.0 1
OPEN BRANCH FROM BUS 246768 TO BUS 244874 CKT Z1	/ 246768 05LANHAM 138 244874 COLUMBIA 12.0 Z1
END	
CONTINGENCY '8390'	
OPEN BRANCH FROM BUS 242537 TO BUS 242548 CKT 1	/ 242537 05AMOS 138 242548 05BANCRO 138 1
OPEN BRANCH FROM BUS 242537 TO BUS 246768 CKT 1	/ 242537 05AMOS 138 246768 05LANHAM 138 1
OPEN BRANCH FROM BUS 242548 TO BUS 242790 CKT 1	/ 242548 05BANCRO 138 242790 05SBUFLO 138 1
OPEN BRANCH FROM BUS 246768 TO BUS 242800 CKT 1	/ 246768 05LANHAM 138 242800 05SISSON 138 1
OPEN BRANCH FROM BUS 242548 TO BUS 244863 CKT 1	/ 242548 05BANCRO 138 244863 BANCROFT 69.0 1
OPEN BRANCH FROM BUS 242800 TO BUS 244868 CKT 1	/ 242800 05SISSON 138 244868 SISSON L 34.5 1
OPEN BRANCH FROM BUS 242548 TO BUS 244862 CKT 1	/ 242548 05BANCRO 138 244862 BANCROFT L 12.0 1
OPEN BRANCH FROM BUS 246768 TO BUS 244874 CKT Z1	/ 246768 05LANHAM 138 244874 COLUMBIA 12.0 Z1
OPEN BRANCH FROM BUS 244863 TO BUS 244867 CKT 1	/ 244863 BANCROFT 69.0 244867 PLANTROA 69.0 1
OPEN BRANCH FROM BUS 244863 TO BUS 244873 CKT 1	/ 244863 BANCROFT 69.0 244873 WINFIELD 69.0 1
END	
CONTINGENCY '8392'	
OPEN BRANCH FROM BUS 242537 TO BUS 242617 CKT 1	/ 242537 05AMOS 138 242617 05DALEWD 138 1
OPEN BRANCH FROM BUS 242537 TO BUS 242740 CKT 1	/ 242537 05AMOS 138 242740 05ORTIN 138 1
OPEN BRANCH FROM BUS 242592 TO BUS 242617 CKT 1	/ 242592 05CHEM 1 138 242617 05DALEWD 138 1
OPEN BRANCH FROM BUS 242593 TO BUS 242740 CKT 1	/ 242593 05CHEM 2 138 242740 05ORTIN 138 1
OPEN BRANCH FROM BUS 242617 TO BUS 244806 CKT 1	/ 242617 05DALEWD 138 244806 DALEWD L 12.0 1
OPEN BRANCH FROM BUS 242740 TO BUS 244866 CKT Z1	/ 242740 05ORTIN 138 244866 ORTIN L 12.0 Z1
END	
CONTINGENCY '8395'	
OPEN BRANCH FROM BUS 242537 TO BUS 247091 CKT 1	/ 242537 05AMOS 138 247091 05LAKEVI 138 1
OPEN BRANCH FROM BUS 242537 TO BUS 242814 CKT 1	/ 242537 05AMOS 138 242814 05ST.ALB 138 1
OPEN BRANCH FROM BUS 242814 TO BUS 244869 CKT 1	/ 242814 05ST.ALB 138 244869 STALBN L 12.0 1
END	
CONTINGENCY '8359'	
OPEN BRANCH FROM BUS 242537 TO BUS 242823 CKT 1	/ 242537 05AMOS 138 242823 05TACKCR 138 1
OPEN BRANCH FROM BUS 242537 TO BUS 242836 CKT 1	/ 242537 05AMOS 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242823 TO BUS 242836 CKT 1	/ 242823 05TACKCR 138 242836 05TURN1 138 1
END	
CONTINGENCY '7929'	
OPEN BRANCH FROM BUS 243786 TO BUS 243397 CKT 1	/ 243786 05APCI 138 243397 05WILMGZ 138 1
OPEN BRANCH FROM BUS 243247 TO BUS 243267 CKT 1	/ 243247 05AUBURN 138 243267 05COUNTY 138 1
OPEN BRANCH FROM BUS 243247 TO BUS 243397 CKT 2	/ 243247 05AUBURN 138 243397 05WILMGZ 138 2
OPEN BRANCH FROM BUS 243267 TO BUS 243366 CKT 1	/ 243267 05COUNTY 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243366 TO BUS 243397 CKT 2	/ 243366 05ROB PK 138 243397 05WILMGZ 138 2
OPEN BRANCH FROM BUS 243267 TO BUS 246187 CKT 1	/ 243267 05COUNTY 138 246187 CTYLIN L 12.0 1
END	
CONTINGENCY '7435'	
OPEN BRANCH FROM BUS 247128 TO BUS 246940 CKT 1	/ 247128 05ASTNSS 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BIGR1Z 138 Z1
OPEN BRANCH FROM BUS 242961 TO BUS 246940 CKT 1	/ 242961 05BIGGRC 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BIGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BIGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 246940 TO BUS 243026 CKT 1	/ 246940 05BIGR2Z 138 243026 05KAMMR1 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 245917 CKT Z1	/ 242961 05BIGGRC 138 245917 BIG CR L 34.5 Z1
END	
CONTINGENCY '7434'	
OPEN BRANCH FROM BUS 247128 TO BUS 246940 CKT 1	/ 247128 05ASTNSS 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243133 CKT 1	/ 242958 05BATTLE 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243138 CKT 1	/ 242958 05BATTLE 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BIGR1Z 138 Z1
OPEN BRANCH FROM BUS 242961 TO BUS 246940 CKT 1	/ 242961 05BIGGRC 138 246940 05BIGR2Z 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BIGR1Z 138 243012 05G WASH 138 1

OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 246940 TO BUS 243026 CKT 1	/ 246940 05BGR2Z 138 243026 05KAMMR1 138 1
OPEN BRANCH FROM BUS 243127 TO BUS 243138 CKT 1	/ 243127 05TIDD 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 245917 CKT Z1	/ 242961 05BIGGRC 138 245917 BIG CR L 34.5 Z1
OPEN BRANCH FROM BUS 242958 TO BUS 245952 CKT Z1	/ 242958 05BATTLE 138 245952 BATTLEL 12.0 Z1
OPEN BRANCH FROM BUS 243133 TO BUS 245946 CKT 1	/ 243133 05VALLEY 138 245946 VALLEY L 12.0 1
OPEN BRANCH FROM BUS 243138 TO BUS 245948 CKT 1	/ 243138 05W.LIBE 138 245948 WLIBRT L 12.0 1
END	
CONTINGENCY '8495'	
OPEN BRANCH FROM BUS 242546 TO BUS 242855 CKT 1	/ 242546 05BAILS1 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 247004 TO BUS 247005 CKT Z1	/ 247004 05GUYAND 138 247005 05MACOAL 138 Z1
OPEN BRANCH FROM BUS 247004 TO BUS 242728 CKT 1	/ 247004 05GUYAND 138 242728 05MULLNV 138 1
OPEN BRANCH FROM BUS 247004 TO BUS 242855 CKT 1	/ 247004 05GUYAND 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242680 TO BUS 242727 CKT 1	/ 242680 05ITMANN 138 242727 05MULLEN 138 1
OPEN BRANCH FROM BUS 242680 TO BUS 242754 CKT 1	/ 242680 05ITMANN 138 242754 05PINNAC 138 1
OPEN BRANCH FROM BUS 242727 TO BUS 247113 CKT 1	/ 242727 05MULLEN 138 247113 05PIERSS 138 1
OPEN BRANCH FROM BUS 242728 TO BUS 242754 CKT 1	/ 242728 05MULLNV 138 242754 05PINNAC 138 1
OPEN BRANCH FROM BUS 247113 TO BUS 242825 CKT 1	/ 247113 05PIERSS 138 242825 05TAMSM2 138 1
OPEN BRANCH FROM BUS 242727 TO BUS 244432 CKT 1	/ 242727 05MULLEN 138 244432 MULLENS 46.0 1
OPEN BRANCH FROM BUS 242728 TO BUS 244433 CKT 1	/ 242728 05MULLNV 138 244433 MULNSV L 46.0 1
OPEN BRANCH FROM BUS 242727 TO BUS 244431 CKT 1	/ 242727 05MULLEN 138 244431 MULLEN L 34.5 1
OPEN BRANCH FROM BUS 247113 TO BUS 247114 CKT 1	/ 247113 05PIERSS 138 247114 MABENCOA 34.5 1
OPEN BRANCH FROM BUS 242754 TO BUS 244439 CKT 1	/ 242754 05PINNAC 138 244439 PINNCL L 34.5 1
OPEN BRANCH FROM BUS 242680 TO BUS 244412 CKT 1	/ 242680 05ITMANN 138 244412 ITMANN L 13.0 1
OPEN BRANCH FROM BUS 247005 TO BUS 247006 CKT Z1	/ 247005 05MACOAL 138 247006 MACOAL L 12.0 Z1
END	
CONTINGENCY '7557'	
OPEN BRANCH FROM BUS 242546 TO BUS 242855 CKT 1	/ 242546 05BAILS1 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 247004 TO BUS 247005 CKT Z1	/ 247004 05GUYAND 138 247005 05MACOAL 138 Z1
OPEN BRANCH FROM BUS 247004 TO BUS 242728 CKT 1	/ 247004 05GUYAND 138 242728 05MULLNV 138 1
OPEN BRANCH FROM BUS 247004 TO BUS 242855 CKT 1	/ 247004 05GUYAND 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242728 TO BUS 242754 CKT 1	/ 242728 05MULLNV 138 242754 05PINNAC 138 1
OPEN BRANCH FROM BUS 242728 TO BUS 244433 CKT 1	/ 242728 05MULLNV 138 244433 MULNSV L 46.0 1
OPEN BRANCH FROM BUS 247005 TO BUS 247006 CKT Z1	/ 247005 05MACOAL 138 247006 MACOAL L 12.0 Z1
END	
CONTINGENCY '7555'	
OPEN BRANCH FROM BUS 242547 TO BUS 242855 CKT 2	/ 242547 05BAILS2 138 242855 05WYOMIN 138 2
OPEN BRANCH FROM BUS 242682 TO BUS 242854 CKT 1	/ 242682 05J.BRAN 138 242854 05WWLCHZ 138 1
OPEN BRANCH FROM BUS 242845 TO BUS 242854 CKT 1	/ 242845 05WELCH 138 242854 05WWLCHZ 138 1
OPEN BRANCH FROM BUS 242854 TO BUS 242855 CKT 1	/ 242854 05WWLCHZ 138 242855 05WYOMIN 138 1
OPEN BRANCH FROM BUS 242845 TO BUS 244367 CKT 1	/ 242845 05WELCH 138 244367 WELCH L 13.0 1
END	
CONTINGENCY '7556'	
OPEN BRANCH FROM BUS 242547 TO BUS 242855 CKT 2	/ 242547 05BAILS2 138 242855 05WYOMIN 138 2
OPEN BRANCH FROM BUS 242854 TO BUS 242855 CKT 1	/ 242854 05WWLCHZ 138 242855 05WYOMIN 138 1
END	
CONTINGENCY '7617'	
OPEN BRANCH FROM BUS 243248 TO BUS 243277 CKT 1	/ 243248 05BARODA 138 243277 05DERBY 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246996 CKT 1	/ 243248 05BARODA 138 246996 05PLETCH 138 1
OPEN BRANCH FROM BUS 243308 TO BUS 246994 CKT 1	/ 243308 05HICKOR 138 246994 05RICKMN 138 1
OPEN BRANCH FROM BUS 243248 TO BUS 246421 CKT Z1	/ 243248 05BARODA 138 246421 BARODA L 12.0 Z1
END	
CONTINGENCY '7436'	
OPEN BRANCH FROM BUS 242958 TO BUS 243133 CKT 1	/ 242958 05BATTLE 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243138 CKT 1	/ 242958 05BATTLE 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BGR1Z 138 Z1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 246927 TO BUS 247002 CKT 1	/ 246927 05SAND H 138 247002 05WAYMSS 138 1
OPEN BRANCH FROM BUS 243127 TO BUS 243138 CKT 1	/ 243127 05TIDD 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 245952 CKT Z1	/ 242958 05BATTLE 138 245952 BATTLEL 12.0 Z1

OPEN BRANCH FROM BUS 243133 TO BUS 245946 CKT 1	/ 243133 05VALLEY 138 245946 VALLEY L 12.0 1
OPEN BRANCH FROM BUS 243138 TO BUS 245948 CKT 1	/ 243138 05W.LIBE 138 245948 WLIBRT L 12.0 1
END	
CONTINGENCY '7272'	
OPEN BRANCH FROM BUS 242958 TO BUS 243133 CKT 1	/ 242958 05BATTLE 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243138 CKT 1	/ 242958 05BATTLE 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BGR1Z 138 Z1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 246927 CKT 1	/ 243010 05FTHENR 138 246927 05SAND H 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 243127 CKT 1	/ 243010 05FTHENR 138 243127 05TIDD 138 1
OPEN BRANCH FROM BUS 243127 TO BUS 243138 CKT 1	/ 243127 05TIDD 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 245952 CKT Z1	/ 242958 05BATTLE 138 245952 BATTLEL 12.0 Z1
OPEN BRANCH FROM BUS 243010 TO BUS 245919 CKT 1	/ 243010 05FTHENR 138 245919 FTHENRYL 12.0 1
OPEN BRANCH FROM BUS 243133 TO BUS 245946 CKT 1	/ 243133 05VALLEY 138 245946 VALLEY L 12.0 1
OPEN BRANCH FROM BUS 243138 TO BUS 245948 CKT 1	/ 243138 05W.LIBE 138 245948 WLIBRT L 12.0 1
END	
CONTINGENCY '7274'	
OPEN BRANCH FROM BUS 242958 TO BUS 243133 CKT 1	/ 242958 05BATTLE 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 243138 CKT 1	/ 242958 05BATTLE 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 246927 CKT 1	/ 243010 05FTHENR 138 246927 05SAND H 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 243127 CKT 1	/ 243010 05FTHENR 138 243127 05TIDD 138 1
OPEN BRANCH FROM BUS 243127 TO BUS 243138 CKT 1	/ 243127 05TIDD 138 243138 05W.LIBE 138 1
OPEN BRANCH FROM BUS 242958 TO BUS 245952 CKT Z1	/ 242958 05BATTLE 138 245952 BATTLEL 12.0 Z1
OPEN BRANCH FROM BUS 243010 TO BUS 245919 CKT 1	/ 243010 05FTHENR 138 245919 FTHENRYL 12.0 1
OPEN BRANCH FROM BUS 243138 TO BUS 245948 CKT 1	/ 243138 05W.LIBE 138 245948 WLIBRT L 12.0 1
END	
CONTINGENCY '8343'	
OPEN BRANCH FROM BUS 243671 TO BUS 243685 CKT 1	/ 243671 05BEAVR1 138 243685 05DORTON 138 1
OPEN BRANCH FROM BUS 243671 TO BUS 242645 CKT 1	/ 243671 05BEAVR1 138 242645 05FREMO2 138 1
OPEN BRANCH FROM BUS 242644 TO BUS 242645 CKT Z1	/ 242644 05FREMO1 138 242645 05FREMO2 138 Z1
OPEN BRANCH FROM BUS 242645 TO BUS 242873 CKT 2	/ 242645 05FREMO2 138 242873 FREMONT- 69.0 2
OPEN BRANCH FROM BUS 242645 TO BUS 244234 CKT 1	/ 242645 05FREMO2 138 244234 FREMNT-L 12.0 1
END	
CONTINGENCY '8632'	
OPEN BRANCH FROM BUS 243671 TO BUS 243685 CKT 1	/ 243671 05BEAVR1 138 243685 05DORTON 138 1
OPEN BRANCH FROM BUS 243671 TO BUS 242645 CKT 1	/ 243671 05BEAVR1 138 242645 05FREMO2 138 1
END	
CONTINGENCY '8633'	
OPEN BRANCH FROM BUS 243671 TO BUS 242645 CKT 1	/ 243671 05BEAVR1 138 242645 05FREMO2 138 1
OPEN BRANCH FROM BUS 242605 TO BUS 243899 CKT 1	/ 242605 05CLNCHR 138 243899 05LOCKHA 138 1
END	
CONTINGENCY '8344'	
OPEN BRANCH FROM BUS 243671 TO BUS 242645 CKT 1	/ 243671 05BEAVR1 138 242645 05FREMO2 138 1
OPEN BRANCH FROM BUS 242605 TO BUS 243899 CKT 1	/ 242605 05CLNCHR 138 243899 05LOCKHA 138 1
OPEN BRANCH FROM BUS 243685 TO BUS 243899 CKT 1	/ 243685 05DORTON 138 243899 05LOCKHA 138 1
OPEN BRANCH FROM BUS 242644 TO BUS 242645 CKT Z1	/ 242644 05FREMO1 138 242645 05FREMO2 138 Z1
OPEN BRANCH FROM BUS 242645 TO BUS 242873 CKT 2	/ 242645 05FREMO2 138 242873 FREMONT- 69.0 2
OPEN BRANCH FROM BUS 242645 TO BUS 244234 CKT 1	/ 242645 05FREMO2 138 244234 FREMNT-L 12.0 1
END	
CONTINGENCY '6943'	
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1	/ 243249 05BEECH 138 243260 05CNTYRD 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1	/ 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243351 CKT 1	/ 243287 05EELKHA 138 243351 05NORTHL 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTHL 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEXL 13.0 1
OPEN BRANCH FROM BUS 243249 TO BUS 246419 CKT 1	/ 243249 05BEECH 138 246419 BEECH RD 12.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1

OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
OPEN BRANCH FROM BUS 243260 TO BUS 246398 CKT Z1	/ 243260 05CNTYRD 138 246398 CNTYRD L 12.0 Z1
OPEN BRANCH FROM BUS 243351 TO BUS 246407 CKT 1	/ 243351 05NORTH L 138 246407 NORTH L 12.0 1
END	
CONTINGENCY '6944'	
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1	/ 243249 05BEECH 138 243260 05CNTYRD 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1	/ 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243385 CKT 1	/ 243517 05CAP AV 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243249 TO BUS 246419 CKT 1	/ 243249 05BEECH 138 246419 BEECH RD 12.0 1
OPEN BRANCH FROM BUS 243260 TO BUS 246398 CKT Z1	/ 243260 05CNTYRD 138 246398 CNTYRD L 12.0 Z1
END	
CONTINGENCY '6947'	
OPEN BRANCH FROM BUS 243249 TO BUS 243260 CKT 1	/ 243249 05BEECH 138 243260 05CNTYRD 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEX L 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
END	
CONTINGENCY '6946'	
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1	/ 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEX L 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
END	
CONTINGENCY '6945'	
OPEN BRANCH FROM BUS 243249 TO BUS 243385 CKT 1	/ 243249 05BEECH 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243385 CKT 1	/ 243517 05CAP AV 138 243385 05TWIN B 138 1
END	
CONTINGENCY '7975'	
OPEN BRANCH FROM BUS 243675 TO BUS 243064 CKT 1	/ 243675 05BELLF1 138 243064 05NPROCT 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243088 CKT 1	/ 243042 05MILLBR 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 243675 TO BUS 243762 CKT 1	/ 243675 05BELLF1 138 243762 BELLEFNT 34.5 1
END	
CONTINGENCY '7253'	
OPEN BRANCH FROM BUS 243250 TO BUS 243271 CKT 1	/ 243250 05BENTON 138 243271 05CRYSTA 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 243308 CKT 1	/ 243271 05CRYSTA 138 243308 05HICKOR 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243365 CKT 1	/ 243322 05KENZIE 138 243365 05RIVRS D 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 246440 CKT 1	/ 243271 05CRYSTA 138 246440 CRYSTL L 12.0 1
END	
CONTINGENCY '7254'	
OPEN BRANCH FROM BUS 243250 TO BUS 243271 CKT 1	/ 243250 05BENTON 138 243271 05CRYSTA 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 243308 CKT 1	/ 243271 05CRYSTA 138 243308 05HICKOR 138 1
OPEN BRANCH FROM BUS 243308 TO BUS 243350 CKT 1	/ 243308 05HICKOR 138 243350 05NICKER 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243376 CKT 1	/ 243322 05KENZIE 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 243376 CKT 1	/ 243350 05NICKER 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 246440 CKT 1	/ 243271 05CRYSTA 138 246440 CRYSTL L 12.0 1
OPEN BRANCH FROM BUS 243350 TO BUS 246475 CKT 1	/ 243350 05NICKER 138 246475 NICKER L 12.0 1
OPEN BRANCH FROM BUS 243376 TO BUS 246490 CKT 1	/ 243376 05SODUS 138 246490 SODUS L 12.0 1
END	
CONTINGENCY '7251'	
OPEN BRANCH FROM BUS 243250 TO BUS 243271 CKT 1	/ 243250 05BENTON 138 243271 05CRYSTA 138 1
OPEN BRANCH FROM BUS 243250 TO BUS 243365 CKT 1	/ 243250 05BENTON 138 243365 05RIVRS D 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 243308 CKT 1	/ 243271 05CRYSTA 138 243308 05HICKOR 138 1
OPEN BRANCH FROM BUS 243271 TO BUS 246440 CKT 1	/ 243271 05CRYSTA 138 246440 CRYSTL L 12.0 1

END	
CONTINGENCY '7252'	
OPEN BRANCH FROM BUS 243250 TO BUS 243365 CKT 1	/ 243250 05BENTON 138 243365 05RIVRSD 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243365 CKT 1	/ 243322 05KENZIE 138 243365 05RIVRSD 138 1
END	
CONTINGENCY '7250'	
OPEN BRANCH FROM BUS 243250 TO BUS 243365 CKT 2	/ 243250 05BENTON 138 243365 05RIVRSD 138 2
OPEN BRANCH FROM BUS 243250 TO BUS 243396 CKT 1	/ 243250 05BENTON 138 243396 05WESTST 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 243307 CKT 1	/ 247134 05EWATRV 138 243307 05HARTFO 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 243396 CKT 1	/ 247134 05EWATRV 138 243396 05WESTST 138 1
OPEN BRANCH FROM BUS 247134 TO BUS 247135 CKT Z1	/ 247134 05EWATRV 138 247135 EWATRV L 12.0 Z1
OPEN BRANCH FROM BUS 243396 TO BUS 246497 CKT 1	/ 243396 05WESTST 138 246497 WEST ST 12.0 1
END	
CONTINGENCY '8126'	
OPEN BRANCH FROM BUS 246889 TO BUS 243483 CKT 1	/ 246889 05BIERSR 138 243483 05CRCLVS 138 1
OPEN BRANCH FROM BUS 246889 TO BUS 246890 CKT 1	/ 246889 05BIERSR 138 246890 05HOPETN 138 1
END	
CONTINGENCY '7437'	
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BIGR1Z 138 Z1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BIGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BIGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 246927 TO BUS 247002 CKT 1	/ 246927 05SAND H 138 247002 05WAYMSS 138 1
END	
CONTINGENCY '7275'	
OPEN BRANCH FROM BUS 242961 TO BUS 246945 CKT Z1	/ 242961 05BIGGRC 138 246945 05BIGR1Z 138 Z1
OPEN BRANCH FROM BUS 246945 TO BUS 243012 CKT 1	/ 246945 05BIGR1Z 138 243012 05G WASH 138 1
OPEN BRANCH FROM BUS 246945 TO BUS 243133 CKT 1	/ 246945 05BIGR1Z 138 243133 05VALLEY 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 246927 CKT 1	/ 243010 05FTHENR 138 246927 05SAND H 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 243127 CKT 1	/ 243010 05FTHENR 138 243127 05TIDD 138 1
OPEN BRANCH FROM BUS 243010 TO BUS 245919 CKT 1	/ 243010 05FTHENR 138 245919 FTHENRYL 12.0 1
END	
CONTINGENCY '409'	
OPEN BRANCH FROM BUS 242555 TO BUS 242643 CKT 1	/ 242555 05BLAINE 138 242643 05FRANK5 138 1
OPEN BRANCH FROM BUS 242638 TO BUS 242736 CKT 1	/ 242638 05FLDAL1 138 242736 05OAKLEV 138 1
OPEN BRANCH FROM BUS 242638 TO BUS 242831 CKT 1	/ 242638 05FLDAL1 138 242831 05THORNT 138 1
OPEN BRANCH FROM BUS 242642 TO BUS 242643 CKT Z1	/ 242642 05FRANK3 138 242643 05FRANK5 138 Z1
OPEN BRANCH FROM BUS 242642 TO BUS 242831 CKT 1	/ 242642 05FRANK3 138 242831 05THORNT 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242736 CKT 1	/ 242656 05GRASSH 138 242736 05OAKLEV 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242774 CKT 1	/ 242656 05GRASSH 138 242774 05ROANO2 138 1
OPEN BRANCH FROM BUS 242656 TO BUS 242826 CKT 1	/ 242656 05GRASSH 138 242826 05TANKHL 138 1
END	
CONTINGENCY '7812'	
OPEN BRANCH FROM BUS 242564 TO BUS 247333 CKT 1	/ 242564 05BRADL1 138 247333 05PAX BR 138 1
OPEN BRANCH FROM BUS 242565 TO BUS 242695 CKT 1	/ 242565 05BRADL2 138 242695 05KINCAI 138 1
END	
CONTINGENCY '7212'	
OPEN BRANCH FROM BUS 243478 TO BUS 243493 CKT 1	/ 243478 05BRKSHR 138 243493 05CRVERD 138 1
OPEN BRANCH FROM BUS 243478 TO BUS 243574 CKT 1	/ 243478 05BRKSHR 138 243574 05SNBRY 138 1
OPEN BRANCH FROM BUS 243493 TO BUS 243498 CKT 1	/ 243493 05CRVERD 138 243498 05DLAWAR 138 1
OPEN BRANCH FROM BUS 243498 TO BUS 246753 CKT 1	/ 243498 05DLAWAR 138 246753 05VASSEL 138 1
OPEN BRANCH FROM BUS 243478 TO BUS 246637 CKT 1	/ 243478 05BRKSHR 138 246637 BERKSHRL 34.5 1
OPEN BRANCH FROM BUS 243493 TO BUS 246633 CKT Z1	/ 243493 05CRVERD 138 246633 ZEIGLERL 12.5 Z1
END	
CONTINGENCY '7213'	
OPEN BRANCH FROM BUS 243478 TO BUS 243493 CKT 1	/ 243478 05BRKSHR 138 243493 05CRVERD 138 1
OPEN BRANCH FROM BUS 243493 TO BUS 243498 CKT 1	/ 243493 05CRVERD 138 243498 05DLAWAR 138 1
OPEN BRANCH FROM BUS 243498 TO BUS 246753 CKT 1	/ 243498 05DLAWAR 138 246753 05VASSEL 138 1
OPEN BRANCH FROM BUS 243493 TO BUS 246633 CKT Z1	/ 243493 05CRVERD 138 246633 ZEIGLERL 12.5 Z1
END	
CONTINGENCY '7215'	
OPEN BRANCH FROM BUS 243478 TO BUS 243574 CKT 1	/ 243478 05BRKSHR 138 243574 05SNBRY 138 1

OPEN BRANCH FROM BUS 243498 TO BUS 246753 CKT 1	/ 243498 05DLAWAR 138 246753 05VASSEL 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 243583 CKT 1	/ 243574 05SNBRY 138 243583 05TRENT 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 246625 CKT 1	/ 243574 05SNBRY 138 246625 SUNBRY-L 13.8 1
END	
CONTINGENCY '7214'	
OPEN BRANCH FROM BUS 243478 TO BUS 243574 CKT 1	/ 243478 05BRKSHR 138 243574 05SNBRY 138 1
OPEN BRANCH FROM BUS 243482 TO BUS 243583 CKT 1	/ 243482 05CENTBG 138 243583 05TRENT 138 1
OPEN BRANCH FROM BUS 243498 TO BUS 246753 CKT 1	/ 243498 05DLAWAR 138 246753 05VASSEL 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 243583 CKT 1	/ 243574 05SNBRY 138 243583 05TRENT 138 1
OPEN BRANCH FROM BUS 243574 TO BUS 246625 CKT 1	/ 243574 05SNBRY 138 246625 SUNBRY-L 13.8 1
END	
CONTINGENCY '410'	
OPEN BRANCH FROM BUS 242572 TO BUS 242584 CKT 1	/ 242572 05BURLHT 138 242584 05CATAWZ 138 1
OPEN BRANCH FROM BUS 242572 TO BUS 242607 CKT 1	/ 242572 05BURLHT 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242583 TO BUS 242607 CKT 1	/ 242583 05CATAWB 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242583 TO BUS 242694 CKT 1	/ 242583 05CATAWB 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242584 TO BUS 242852 CKT 1	/ 242584 05CATAWZ 138 242852 05WSALEM 138 1
OPEN BRANCH FROM BUS 242650 TO BUS 242694 CKT 1	/ 242650 05GLENL1 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 242852 CKT 1	/ 242708 05M FUNK 138 242852 05WSALEM 138 1
END	
CONTINGENCY '8381'	
OPEN BRANCH FROM BUS 242574 TO BUS 247022 CKT 1	/ 242574 05CABINC 138 247022 05HERNSH 138 1
OPEN BRANCH FROM BUS 242596 TO BUS 242813 CKT 1	/ 242596 05CHESTR 138 242813 05SRIDGE 138 1
END	
CONTINGENCY '8369'	
OPEN BRANCH FROM BUS 242574 TO BUS 247022 CKT 1	/ 242574 05CABINC 138 247022 05HERNSH 138 1
OPEN BRANCH FROM BUS 242596 TO BUS 242813 CKT 1	/ 242596 05CHESTR 138 242813 05SRIDGE 138 1
OPEN BRANCH FROM BUS 242813 TO BUS 242836 CKT 1	/ 242813 05SRIDGE 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242813 TO BUS 244772 CKT Z1	/ 242813 05SRIDGE 138 244772 S RIDGE 12.0 Z1
END	
CONTINGENCY '6942'	
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1	/ 243260 05CNTYRD 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243351 CKT 1	/ 243287 05EELKHA 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243356 CKT 1	/ 243287 05EELKHA 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243356 TO BUS 246408 CKT 1	/ 243356 05OSOLO 138 246408 OSOLO 34.5 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEXL 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
OPEN BRANCH FROM BUS 243351 TO BUS 246407 CKT 1	/ 243351 05NORTH L 138 246407 NORTH L 12.0 1
OPEN BRANCH FROM BUS 243356 TO BUS 246409 CKT 2	/ 243356 05OSOLO 138 246409 OSOLO L 12.0 2
OPEN BRANCH FROM BUS 243356 TO BUS 246409 CKT 3	/ 243356 05OSOLO 138 246409 OSOLO L 12.0 3
OPEN BRANCH FROM BUS 246397 TO BUS 246408 CKT 1	/ 246397 ELKHARTH 34.5 246408 OSOLO 34.5 1
OPEN BRANCH FROM BUS 246406 TO BUS 246408 CKT 1	/ 246406 N-WEST 34.5 246408 OSOLO 34.5 1
END	
CONTINGENCY '6948'	
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1
OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243260 TO BUS 243356 CKT 1	/ 243260 05CNTYRD 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTH L 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALEXL 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
END	
CONTINGENCY '6949'	
OPEN BRANCH FROM BUS 243256 TO BUS 243258 CKT 1	/ 243256 05CABOT 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243256 TO BUS 243336 CKT 1	/ 243256 05CABOT 138 243336 05MANORZ 138 1

OPEN BRANCH FROM BUS 243517 TO BUS 243258 CKT 1	/ 243517 05CAP AV 138 243258 05CLEVEL 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243356 CKT 1	/ 243287 05EELKHA 138 243356 05OSOLO 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 243351 CKT 1	/ 243336 05MANORZ 138 243351 05NORTHL 138 1
OPEN BRANCH FROM BUS 243336 TO BUS 246401 CKT 1	/ 243336 05MANORZ 138 246401 INDALXL 13.0 1
OPEN BRANCH FROM BUS 243256 TO BUS 246382 CKT 1	/ 243256 05CABOT 138 246382 CABOT L 12.0 1
OPEN BRANCH FROM BUS 243258 TO BUS 246383 CKT 1	/ 243258 05CLEVEL 138 246383 CLEVEL L 12.0 1
END	
CONTINGENCY '412'	
OPEN BRANCH FROM BUS 242583 TO BUS 242607 CKT 1	/ 242583 05CATAWB 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242583 TO BUS 242694 CKT 1	/ 242583 05CATAWB 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242587 TO BUS 242588 CKT 1	/ 242587 05CELAN 138 242588 05CELANZ 138 1
OPEN BRANCH FROM BUS 242587 TO BUS 242749 CKT 1	/ 242587 05CELAN 138 242749 05PETERM 138 1
OPEN BRANCH FROM BUS 242650 TO BUS 242694 CKT 1	/ 242650 05GLENL1 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242651 TO BUS 242749 CKT 1	/ 242651 05GLENL2 138 242749 05PETERM 138 1
END	
CONTINGENCY '413'	
OPEN BRANCH FROM BUS 242583 TO BUS 242607 CKT 1	/ 242583 05CATAWB 138 242607 05CLOVRD 138 1
OPEN BRANCH FROM BUS 242583 TO BUS 242694 CKT 1	/ 242583 05CATAWB 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242587 TO BUS 242588 CKT 1	/ 242587 05CELAN 138 242588 05CELANZ 138 1
OPEN BRANCH FROM BUS 242588 TO BUS 242731 CKT 1	/ 242588 05CELANZ 138 242731 05NBLACK 138 1
OPEN BRANCH FROM BUS 242650 TO BUS 242694 CKT 1	/ 242650 05GLENL1 138 242694 05KIMBAL 138 1
OPEN BRANCH FROM BUS 242697 TO BUS 242708 CKT 1	/ 242697 05KUMIS 138 242708 05M FUNK 138 1
OPEN BRANCH FROM BUS 242697 TO BUS 242731 CKT 1	/ 242697 05KUMIS 138 242731 05NBLACK 138 1
END	
CONTINGENCY '6171'	
OPEN BRANCH FROM BUS 242585 TO BUS 242664 CKT 1	/ 242585 05CAVES1 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242585 TO BUS 246981 CKT 1	/ 242585 05CAVES1 138 246981 05SUNSCA 138 1
OPEN BRANCH FROM BUS 242586 TO BUS 242664 CKT 1	/ 242586 05CAVES2 138 242664 05HANCK2 138 1
OPEN BRANCH FROM BUS 242586 TO BUS 242815 CKT 1	/ 242586 05CAVES2 138 242815 05STARKE 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 242756 CKT 1	/ 242708 05M FUNK 138 242756 05POAGES 138 1
OPEN BRANCH FROM BUS 242756 TO BUS 242815 CKT 1	/ 242756 05POAGES 138 242815 05STARKE 138 1
OPEN BRANCH FROM BUS 242774 TO BUS 246981 CKT 1	/ 242774 05ROANO2 138 246981 05SUNSCA 138 1
OPEN BRANCH FROM BUS 246981 TO BUS 246982 CKT Z1	/ 246981 05SUNSCA 138 246982 SUNSCA L 12.0 Z1
END	
CONTINGENCY '7733'	
OPEN BRANCH FROM BUS 242984 TO BUS 243024 CKT 1	/ 242984 05CHATFL 138 243024 05HOWARD 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243039 CKT 1	/ 243024 05HOWARD 138 243039 05MELMOR 138 1
END	
CONTINGENCY '7115'	
OPEN BRANCH FROM BUS 242984 TO BUS 243024 CKT 1	/ 242984 05CHATFL 138 243024 05HOWARD 138 1
OPEN BRANCH FROM BUS 242984 TO BUS 243039 CKT 1	/ 242984 05CHATFL 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243039 CKT 1	/ 243024 05HOWARD 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 242984 TO BUS 245656 CKT 1	/ 242984 05CHATFL 138 245656 CHATFIEL 69.0 1
OPEN BRANCH FROM BUS 245655 TO BUS 245656 CKT 1	/ 245655 CARROTHR 69.0 245656 CHATFIEL 69.0 1
OPEN BRANCH FROM BUS 245656 TO BUS 245670 CKT 1	/ 245656 CHATFIEL 69.0 245670 NEWWASH8 69.0 1
END	
CONTINGENCY '7734'	
OPEN BRANCH FROM BUS 242984 TO BUS 243039 CKT 1	/ 242984 05CHATFL 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243024 TO BUS 243039 CKT 1	/ 243024 05HOWARD 138 243039 05MELMOR 138 1
END	
CONTINGENCY '8365'	
OPEN BRANCH FROM BUS 242596 TO BUS 242813 CKT 1	/ 242596 05CHESTR 138 242813 05SRIDGE 138 1
OPEN BRANCH FROM BUS 242782 TO BUS 242836 CKT 1	/ 242782 05RUTH 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242813 TO BUS 242836 CKT 1	/ 242813 05SRIDGE 138 242836 05TURN1 138 1
OPEN BRANCH FROM BUS 242782 TO BUS 244807 CKT Z1	/ 242782 05RUTH 138 244807 RUTH L 12.0 Z1
OPEN BRANCH FROM BUS 242813 TO BUS 244772 CKT Z1	/ 242813 05SRIDGE 138 244772 S RIDGE 12.0 Z1
END	
CONTINGENCY '415'	
OPEN BRANCH FROM BUS 242605 TO BUS 242615 CKT 1	/ 242605 05CLNCHR 138 242615 05COPPER 138 1
OPEN BRANCH FROM BUS 242605 TO BUS 242793 CKT 1	/ 242605 05CLNCHR 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242615 TO BUS 242667 CKT 1	/ 242615 05COPPER 138 242667 05HILL 138 1

OPEN BRANCH FROM BUS 242624 TO BUS 242793 CKT 1	/ 242624 05DICKEN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242667 TO BUS 242729 CKT 1	/ 242667 05HILL 138 242729 05NAGEL 138 1
OPEN BRANCH FROM BUS 242722 TO BUS 242793 CKT 1	/ 242722 05MORLAN 138 242793 05SEXTON 138 1
END	
CONTINGENCY '8634'	
OPEN BRANCH FROM BUS 242605 TO BUS 242644 CKT 1	/ 242605 05CLNCHR 138 242644 05FREMO1 138 1
OPEN BRANCH FROM BUS 242605 TO BUS 243899 CKT 1	/ 242605 05CLNCHR 138 243899 05LOCKHA 138 1
END	
CONTINGENCY '8345'	
OPEN BRANCH FROM BUS 242605 TO BUS 242644 CKT 1	/ 242605 05CLNCHR 138 242644 05FREMO1 138 1
OPEN BRANCH FROM BUS 242605 TO BUS 243899 CKT 1	/ 242605 05CLNCHR 138 243899 05LOCKHA 138 1
OPEN BRANCH FROM BUS 243685 TO BUS 243899 CKT 1	/ 243685 05DORTON 138 243899 05LOCKHA 138 1
OPEN BRANCH FROM BUS 242644 TO BUS 242645 CKT Z1	/ 242644 05FREMO1 138 242645 05FREMO2 138 Z1
OPEN BRANCH FROM BUS 242645 TO BUS 242873 CKT 2	/ 242645 05FREMO2 138 242873 FREMONT- 69.0 2
OPEN BRANCH FROM BUS 242645 TO BUS 244234 CKT 1	/ 242645 05FREMO2 138 244234 FREMNT-L 12.0 1
END	
CONTINGENCY '8046'	
OPEN BRANCH FROM BUS 242605 TO BUS 242793 CKT 1	/ 242605 05CLNCHR 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 242793 CKT 1	/ 242624 05DICKEN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05W KINGP 138 1
OPEN BRANCH FROM BUS 242722 TO BUS 242793 CKT 1	/ 242722 05MORLAN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 244232 CKT 1	/ 242624 05DICKEN 138 244232 DICKEN L 12.0 1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
END	
CONTINGENCY '8064'	
OPEN BRANCH FROM BUS 242605 TO BUS 242793 CKT 1	/ 242605 05CLNCHR 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 242793 CKT 1	/ 242624 05DICKEN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242722 TO BUS 242793 CKT 1	/ 242722 05MORLAN 138 242793 05SEXTON 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242849 CKT 1	/ 242729 05NAGEL 138 242849 05W KINGP 138 1
OPEN BRANCH FROM BUS 242624 TO BUS 244232 CKT 1	/ 242624 05DICKEN 138 244232 DICKEN L 12.0 1
END	
CONTINGENCY '416'	
OPEN BRANCH FROM BUS 242608 TO BUS 242666 CKT 1	/ 242608 05CLYTR1 138 242666 05HAZELH 138 1
OPEN BRANCH FROM BUS 242609 TO BUS 242721 CKT 1	/ 242609 05CLYTR2 138 242721 05MORGAN 138 1
OPEN BRANCH FROM BUS 242650 TO BUS 242666 CKT 1	/ 242650 05GLENL1 138 242666 05HAZELH 138 1
OPEN BRANCH FROM BUS 242651 TO BUS 242721 CKT 1	/ 242651 05GLENL2 138 242721 05MORGAN 138 1
END	
CONTINGENCY '8512'	
OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
OPEN BRANCH FROM BUS 242609 TO BUS 242634 CKT 1	/ 242609 05CLYTR2 138 242634 05EDGEMO 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 244118 CKT 1	/ 242791 05SCHRIS 138 244118 SCHRISTB 69.0 1
OPEN BRANCH FROM BUS 242791 TO BUS 244117 CKT 1	/ 242791 05SCHRIS 138 244117 SCHRIS L 12.0 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1
END	
CONTINGENCY '8513'	
OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
OPEN BRANCH FROM BUS 242609 TO BUS 242634 CKT 1	/ 242609 05CLYTR2 138 242634 05EDGEMO 138 1
END	
CONTINGENCY '8514'	
OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
OPEN BRANCH FROM BUS 242634 TO BUS 242636 CKT 1	/ 242634 05EDGEMO 138 242636 05FALLBR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 244118 CKT 1	/ 242791 05SCHRIS 138 244118 SCHRISTB 69.0 1
OPEN BRANCH FROM BUS 242791 TO BUS 244117 CKT 1	/ 242791 05SCHRIS 138 244117 SCHRIS L 12.0 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1
END	
CONTINGENCY '8515'	
OPEN BRANCH FROM BUS 242608 TO BUS 242791 CKT 1	/ 242608 05CLYTR1 138 242791 05SCHRIS 138 1
OPEN BRANCH FROM BUS 242634 TO BUS 242636 CKT 1	/ 242634 05EDGEMO 138 242636 05FALLBR 138 1

END
CONTINGENCY '6831'
OPEN BRANCH FROM BUS 242611 TO BUS 242623 CKT 1 / 242611 05COALFK 138 242623 05DAWES 138 1
OPEN BRANCH FROM BUS 242611 TO BUS 242828 CKT 1 / 242611 05COALFK 138 242828 05TENMIL 138 1
OPEN BRANCH FROM BUS 242623 TO BUS 242689 CKT 1 / 242623 05DAWES 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242649 TO BUS 242689 CKT 1 / 242649 05GARRSN 138 242689 05KANAWH 138 1
OPEN BRANCH FROM BUS 242649 TO BUS 242776 CKT 1 / 242649 05GARRSN 138 242776 05ROCKHS 138 1
OPEN BRANCH FROM BUS 242776 TO BUS 242820 CKT 1 / 242776 05ROCKHS 138 242820 05SUNDL1 138 1
OPEN BRANCH FROM BUS 242821 TO BUS 242828 CKT 1 / 242821 05SUNDL2 138 242828 05TENMIL 138 1
OPEN BRANCH FROM BUS 242611 TO BUS 244857 CKT Z1 / 242611 05COALFK 138 244857 PANTH2 L 12.0 Z1
OPEN BRANCH FROM BUS 242623 TO BUS 244855 CKT 1 / 242623 05DAWES 138 244855 PANTH L 12.0 1
OPEN BRANCH FROM BUS 242649 TO BUS 244421 CKT Z1 / 242649 05GARRSN 138 244421 GARRISON 12.0 Z1
OPEN BRANCH FROM BUS 242776 TO BUS 244423 CKT Z1 / 242776 05ROCKHS 138 244423 ROCKHOUS 12.0 Z1
OPEN BRANCH FROM BUS 242828 TO BUS 244854 CKT 1 / 242828 05TENMIL 138 244854 TENMIL L 12.0 1
END
CONTINGENCY '8285'
OPEN BRANCH FROM BUS 243264 TO BUS 243266 CKT 1 / 243264 05CONCOR 138 243266 05COUNTR 138 1
OPEN BRANCH FROM BUS 243264 TO BUS 243385 CKT 1 / 243264 05CONCOR 138 243385 05TWIN B 138 1
END
CONTINGENCY '8287'
OPEN BRANCH FROM BUS 243264 TO BUS 243385 CKT 1 / 243264 05CONCOR 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243304 TO BUS 243385 CKT 1 / 243304 05GUARDN 138 243385 05TWIN B 138 1
END
CONTINGENCY '6799'
OPEN BRANCH FROM BUS 243491 TO BUS 243510 CKT 1 / 243491 05CORRID 138 243510 05GAHANN 138 1
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1 / 243510 05GAHANN 138 243150 05WMILLP 138 1
END
CONTINGENCY '6886'
OPEN BRANCH FROM BUS 243275 TO BUS 243344 CKT 1 / 243275 05DELAWR 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243373 CKT 1 / 243275 05DELAWR 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243373 CKT 1 / 243364 05RICHMO 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243373 TO BUS 246091 CKT 1 / 243373 05SELMAP 138 246091 SELMAP L 12.0 1
END
CONTINGENCY '7618'
OPEN BRANCH FROM BUS 243277 TO BUS 243335 CKT 1 / 243277 05DERBY 138 243335 05MAIN S 138 1
OPEN BRANCH FROM BUS 243308 TO BUS 246994 CKT 1 / 243308 05HICKOR 138 246994 05RICKMN 138 1
END
CONTINGENCY '7972'
OPEN BRANCH FROM BUS 242988 TO BUS 242992 CKT 1 / 242988 05DOGWOO 138 242992 05E WHEE 138 1
OPEN BRANCH FROM BUS 242988 TO BUS 243042 CKT 1 / 242988 05DOGWOO 138 243042 05MILLBR 138 1
OPEN BRANCH FROM BUS 243042 TO BUS 243088 CKT 1 / 243042 05MILLBR 138 243088 05S POIN 138 1
OPEN BRANCH FROM BUS 242988 TO BUS 244920 CKT 1 / 242988 05DOGWOO 138 244920 DOGWD L 12.0 1
END
CONTINGENCY '8288'
OPEN BRANCH FROM BUS 243280 TO BUS 243281 CKT 1 / 243280 05DRAGN 138 243281 05DRAGNZ 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243317 CKT 1 / 243281 05DRAGNZ 138 243317 05IRELAN 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243385 CKT 1 / 243281 05DRAGNZ 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243317 TO BUS 243318 CKT 1 / 243317 05IRELAN 138 243318 05JACKSR 138 1
OPEN BRANCH FROM BUS 243318 TO BUS 243385 CKT 2 / 243318 05JACKSR 138 243385 05TWIN B 138 2
OPEN BRANCH FROM BUS 243280 TO BUS 246314 CKT 1 / 243280 05DRAGN 138 246314 DRAGOON 34.5 1
OPEN BRANCH FROM BUS 243317 TO BUS 246324 CKT 1 / 243317 05IRELAN 138 246324 IRELAN L 12.0 1
OPEN BRANCH FROM BUS 243318 TO BUS 246325 CKT 4 / 243318 05JACKSR 138 246325 JACKRD L 12.0 4
END
CONTINGENCY '8289'
OPEN BRANCH FROM BUS 243280 TO BUS 243281 CKT 1 / 243280 05DRAGN 138 243281 05DRAGNZ 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243317 CKT 1 / 243281 05DRAGNZ 138 243317 05IRELAN 138 1
OPEN BRANCH FROM BUS 243281 TO BUS 243385 CKT 1 / 243281 05DRAGNZ 138 243385 05TWIN B 138 1
OPEN BRANCH FROM BUS 243318 TO BUS 243385 CKT 2 / 243318 05JACKSR 138 243385 05TWIN B 138 2
OPEN BRANCH FROM BUS 243280 TO BUS 246314 CKT 1 / 243280 05DRAGN 138 246314 DRAGOON 34.5 1
END
CONTINGENCY '6666'

OPEN BRANCH FROM BUS 242989 TO BUS 243765 CKT 1	/ 242989 05E LIMA 138 243765 05FORDLI 138 1
OPEN BRANCH FROM BUS 242989 TO BUS 243082 CKT 1	/ 242989 05E LIMA 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '6664'	
OPEN BRANCH FROM BUS 242989 TO BUS 243017 CKT 1	/ 242989 05E LIMA 138 243017 05HAVILN 138 1
OPEN BRANCH FROM BUS 242989 TO BUS 243066 CKT 1	/ 242989 05E LIMA 138 243066 05NW LIM 138 1
END	
CONTINGENCY '6663'	
OPEN BRANCH FROM BUS 242989 TO BUS 243017 CKT 1	/ 242989 05E LIMA 138 243017 05HAVILN 138 1
OPEN BRANCH FROM BUS 242989 TO BUS 243066 CKT 1	/ 242989 05E LIMA 138 243066 05NW LIM 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 243157 CKT 1	/ 243066 05NW LIM 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243136 TO BUS 243157 CKT 1	/ 243136 05W LIMA 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 245832 CKT 1	/ 243066 05NW LIM 138 245832 NWLIMA L 12.0 1
OPEN BRANCH FROM BUS 243157 TO BUS 245857 CKT 1	/ 243157 05WOODLA 138 245857 WOODLN L 12.0 1
END	
CONTINGENCY '6676'	
OPEN BRANCH FROM BUS 242989 TO BUS 243017 CKT 1	/ 242989 05E LIMA 138 243017 05HAVILN 138 1
OPEN BRANCH FROM BUS 242991 TO BUS 243051 CKT 1	/ 242991 05E SIDE 138 243051 05NDELPH 138 1
OPEN BRANCH FROM BUS 242991 TO BUS 243108 CKT 1	/ 242991 05E SIDE 138 243108 05STRLN1 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 247521 CKT 1	/ 243051 05NDELPH 138 247521 T-131 C 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 243175 CKT 1	/ 243051 05NDELPH 138 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 242991 TO BUS 245822 CKT 1	/ 242991 05E SIDE 138 245822 E.SIDE L 12.0 1
OPEN BRANCH FROM BUS 245874 TO BUS 243175 CKT 1	/ 245874 E DELPHO 69.0 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 245878 TO BUS 243175 CKT 1	/ 245878 FTJENNG8 69.0 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 243175 TO BUS 245902 CKT 1	/ 243175 N DELPHO 69.0 245902 S DELPHO 69.0 1
END	
CONTINGENCY '6677'	
OPEN BRANCH FROM BUS 242989 TO BUS 243017 CKT 1	/ 242989 05E LIMA 138 243017 05HAVILN 138 1
OPEN BRANCH FROM BUS 242991 TO BUS 243051 CKT 1	/ 242991 05E SIDE 138 243051 05NDELPH 138 1
END	
CONTINGENCY '6678'	
OPEN BRANCH FROM BUS 242989 TO BUS 243017 CKT 1	/ 242989 05E LIMA 138 243017 05HAVILN 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 247521 CKT 1	/ 243051 05NDELPH 138 247521 T-131 C 138 1
END	
CONTINGENCY '6659'	
OPEN BRANCH FROM BUS 242989 TO BUS 243066 CKT 1	/ 242989 05E LIMA 138 243066 05NW LIM 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243136 CKT 1	/ 242995 05EASTOW 138 243136 05W LIMA 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 243157 CKT 1	/ 243066 05NW LIM 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243136 TO BUS 243157 CKT 1	/ 243136 05W LIMA 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 245846 CKT 1	/ 242995 05EASTOW 138 245846 EASTWN L 12.0 1
OPEN BRANCH FROM BUS 243066 TO BUS 245832 CKT 1	/ 243066 05NW LIM 138 245832 NWLIMA L 12.0 1
OPEN BRANCH FROM BUS 243157 TO BUS 245857 CKT 1	/ 243157 05WOODLA 138 245857 WOODLN L 12.0 1
END	
CONTINGENCY '6660'	
OPEN BRANCH FROM BUS 242989 TO BUS 243066 CKT 1	/ 242989 05E LIMA 138 243066 05NW LIM 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '6665'	
OPEN BRANCH FROM BUS 242989 TO BUS 243082 CKT 1	/ 242989 05E LIMA 138 243082 05ROCKHI 138 1
OPEN BRANCH FROM BUS 243765 TO BUS 243082 CKT 1	/ 243765 05FORDLI 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '6679'	
OPEN BRANCH FROM BUS 242991 TO BUS 243051 CKT 1	/ 242991 05E SIDE 138 243051 05NDELPH 138 1
OPEN BRANCH FROM BUS 242991 TO BUS 243108 CKT 1	/ 242991 05E SIDE 138 243108 05STRLN1 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243136 CKT 1	/ 242995 05EASTOW 138 243136 05W LIMA 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 247521 CKT 1	/ 243051 05NDELPH 138 247521 T-131 C 138 1
OPEN BRANCH FROM BUS 243051 TO BUS 243175 CKT 1	/ 243051 05NDELPH 138 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 242991 TO BUS 245822 CKT 1	/ 242991 05E SIDE 138 245822 E.SIDE L 12.0 1
OPEN BRANCH FROM BUS 242995 TO BUS 245846 CKT 1	/ 242995 05EASTOW 138 245846 EASTWN L 12.0 1

OPEN BRANCH FROM BUS 245874 TO BUS 243175 CKT 1	/ 245874 E DELPHO 69.0 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 245878 TO BUS 243175 CKT 1	/ 245878 FTJENNG8 69.0 243175 N DELPHO 69.0 1
OPEN BRANCH FROM BUS 243175 TO BUS 245902 CKT 1	/ 243175 N DELPHO 69.0 245902 S DELPHO 69.0 1
END	
CONTINGENCY '6680'	
OPEN BRANCH FROM BUS 242991 TO BUS 243051 CKT 1	/ 242991 05E SIDE 138 243051 05NDELPH 138 1
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
END	
CONTINGENCY '417'	
OPEN BRANCH FROM BUS 242627 TO BUS 242688 CKT 1	/ 242627 05E.LYNC 138 242688 05JOSHUA 138 1
OPEN BRANCH FROM BUS 242688 TO BUS 242737 CKT 1	/ 242688 05JOSHUA 138 242737 05OPOSSC 138 1
END	
CONTINGENCY '6661'	
OPEN BRANCH FROM BUS 242995 TO BUS 243082 CKT 1	/ 242995 05EASTOW 138 243082 05ROCKHI 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 243157 CKT 1	/ 243066 05NW LIM 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243136 TO BUS 243157 CKT 1	/ 243136 05W LIMA 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243157 TO BUS 245857 CKT 1	/ 243157 05WOODLA 138 245857 WOODLN L 12.0 1
END	
CONTINGENCY '6662'	
OPEN BRANCH FROM BUS 242995 TO BUS 243136 CKT 1	/ 242995 05EASTOW 138 243136 05W LIMA 138 1
OPEN BRANCH FROM BUS 243066 TO BUS 243157 CKT 1	/ 243066 05NW LIM 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243136 TO BUS 243157 CKT 1	/ 243136 05W LIMA 138 243157 05WOODLA 138 1
OPEN BRANCH FROM BUS 243157 TO BUS 245857 CKT 1	/ 243157 05WOODLA 138 245857 WOODLN L 12.0 1
END	
CONTINGENCY '7772'	
OPEN BRANCH FROM BUS 247172 TO BUS 243006 CKT 1	/ 247172 05EBERSO 138 243006 05FOSTOR 138 1
OPEN BRANCH FROM BUS 247172 TO BUS 243006 CKT 2	/ 247172 05EBERSO 138 243006 05FOSTOR 138 2
END	
CONTINGENCY '7770'	
OPEN BRANCH FROM BUS 247172 TO BUS 243057 CKT 1	/ 247172 05EBERSO 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 247172 TO BUS 243059 CKT 1	/ 247172 05EBERSO 138 243059 05NFINDL 138 1
OPEN BRANCH FROM BUS 243059 TO BUS 245773 CKT 1	/ 243059 05NFINDL 138 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245737 TO BUS 245773 CKT 1	/ 245737 DOWCHEM1 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245762 TO BUS 245773 CKT 1	/ 245762 N BALTRM 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 247192 TO BUS 245773 CKT 1	/ 247192 NFINDL Z 34.5 245773 NFINDLY2 34.5 1
OPEN BRANCH FROM BUS 245773 TO BUS 245793 CKT 1	/ 245773 NFINDLY2 34.5 245793 W MELROS 34.5 1
END	
CONTINGENCY '7771'	
OPEN BRANCH FROM BUS 247172 TO BUS 243057 CKT 1	/ 247172 05EBERSO 138 243057 05NEWLIB 138 1
OPEN BRANCH FROM BUS 247172 TO BUS 243059 CKT 1	/ 247172 05EBERSO 138 243059 05NFINDL 138 1
END	
CONTINGENCY '8049'	
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05W KINGP 138 1
OPEN BRANCH FROM BUS 242670 TO BUS 242722 CKT 1	/ 242670 05HOLST2 138 242722 05MORLAN 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
END	
CONTINGENCY '8052'	
OPEN BRANCH FROM BUS 242633 TO BUS 242678 CKT 1	/ 242633 05EDENSR 138 242678 05INDIAS 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 242849 CKT 1	/ 242633 05EDENSR 138 242849 05W KINGP 138 1
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBANK 138 1
OPEN BRANCH FROM BUS 242633 TO BUS 244187 CKT 1	/ 242633 05EDENSR 138 244187 EDENSR L 12.0 1
END	
CONTINGENCY '8655'	
OPEN BRANCH FROM BUS 242634 TO BUS 242636 CKT 1	/ 242634 05EDGEMO 138 242636 05FALLBR 138 1
OPEN BRANCH FROM BUS 242791 TO BUS 243874 CKT 1	/ 242791 05SCHRIS 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 243874 TO BUS 244095 CKT Z1	/ 243874 05TECHDR 138 244095 TECHDR L 12.0 Z1
END	
CONTINGENCY '6950'	
OPEN BRANCH FROM BUS 243287 TO BUS 243351 CKT 1	/ 243287 05EELKHA 138 243351 05NORTH 138 1
OPEN BRANCH FROM BUS 243287 TO BUS 243356 CKT 1	/ 243287 05EELKHA 138 243356 05OSOLO 138 1

OPEN BRANCH FROM BUS 243351 TO BUS 246407 CKT 1 END CONTINGENCY '8657'	/ 243351 05NORTH L 138 246407 NORTH L 12.0 1
OPEN BRANCH FROM BUS 242636 TO BUS 242796 CKT 1	/ 242636 05FALLBR 138 242796 05SHAWSV 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 243874 CKT 1	/ 242708 05M FUNK 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242796 TO BUS 244119 CKT 1 END CONTINGENCY '8656'	/ 242796 05SHAWSV 138 244119 SHAWVL L 12.0 1
OPEN BRANCH FROM BUS 242636 TO BUS 242796 CKT 1	/ 242636 05FALLBR 138 242796 05SHAWSV 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 242796 CKT 1	/ 242708 05M FUNK 138 242796 05SHAWSV 138 1
OPEN BRANCH FROM BUS 242708 TO BUS 243874 CKT 1	/ 242708 05M FUNK 138 243874 05TECHDR 138 1
OPEN BRANCH FROM BUS 242796 TO BUS 244119 CKT 1 END CONTINGENCY '7731'	/ 242796 05SHAWSV 138 244119 SHAWVL L 12.0 1
OPEN BRANCH FROM BUS 243006 TO BUS 243039 CKT 1	/ 243006 05FOSTOR 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243039 TO BUS 243110 CKT 1 END CONTINGENCY '7737'	/ 243039 05MELMOR 138 243110 05STIFFI 138 1
OPEN BRANCH FROM BUS 243008 TO BUS 243130 CKT 1	/ 243008 05FREMCT 138 243130 05TIFFIN 138 1
OPEN BRANCH FROM BUS 243008 TO BUS 243130 CKT 2 END CONTINGENCY '8063'	/ 243008 05FREMCT 138 243130 05TIFFIN 138 2
OPEN BRANCH FROM BUS 242646 TO BUS 242729 CKT 1	/ 242646 05FT.ROB 138 242729 05NAGEL 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242762 CKT 1 END CONTINGENCY '8061'	/ 242729 05NAGEL 138 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1	/ 242738 05ORBNK1 138 242850 05WOLFHI 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242762 TO BUS 242798 CKT 1	/ 242762 05REEDCR 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242798 TO BUS 244214 CKT 1 END CONTINGENCY '8059'	/ 242798 05SHORT 138 244214 SHORT L 12.0 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1	/ 242738 05ORBNK1 138 242850 05WOLFHI 138 1
OPEN BRANCH FROM BUS 242739 TO BUS 242798 CKT 1 END CONTINGENCY '8058'	/ 242739 05ORBNK2 138 242798 05SHORT 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBNK2 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1 END CONTINGENCY '8056'	/ 242738 05ORBNK1 138 242850 05WOLFHI 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1 END CONTINGENCY '8062'	/ 242738 05ORBNK1 138 242850 05WOLFHI 138 1
OPEN BRANCH FROM BUS 242646 TO BUS 242738 CKT 1	/ 242646 05FT.ROB 138 242738 05ORBNK1 138 1
OPEN BRANCH FROM BUS 242729 TO BUS 242762 CKT 1	/ 242729 05NAGEL 138 242762 05REEDCR 138 1
OPEN BRANCH FROM BUS 242738 TO BUS 242850 CKT 1 END CONTINGENCY '6795'	/ 242738 05ORBNK1 138 242850 05WOLFHI 138 1
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243018 TO BUS 243150 CKT 1 END CONTINGENCY '6794'	/ 243018 05HEATH 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243510 TO BUS 243150 CKT 1	/ 243510 05GAHANN 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243018 TO BUS 243063 CKT 1	/ 243018 05HEATH 138 243063 05NNEWAR 138 1
OPEN BRANCH FROM BUS 243018 TO BUS 243150 CKT 1	/ 243018 05HEATH 138 243150 05WMILLP 138 1
OPEN BRANCH FROM BUS 243018 TO BUS 245506 CKT 1	/ 243018 05HEATH 138 245506 HEATH 69.0 1

OPEN BRANCH FROM BUS 243018 TO BUS 245505 CKT Z1 END	/ 243018 05HEATH 138 245505 HEATH 34.5 Z1
CONTINGENCY '7735'	
OPEN BRANCH FROM BUS 243015 TO BUS 243039 CKT 1	/ 243015 05GREENL 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243039 TO BUS 243130 CKT 1 END	/ 243039 05MELMOR 138 243130 05TIFFIN 138 1
CONTINGENCY '7740'	
OPEN BRANCH FROM BUS 243015 TO BUS 243039 CKT 1	/ 243015 05GREENL 138 243039 05MELMOR 138 1
OPEN BRANCH FROM BUS 243015 TO BUS 243130 CKT 1	/ 243015 05GREENL 138 243130 05TIFFIN 138 1
OPEN BRANCH FROM BUS 243015 TO BUS 245621 CKT 1 END	/ 243015 05GREENL 138 245621 GREENLAW 69.0 1
CONTINGENCY '7736'	
OPEN BRANCH FROM BUS 243015 TO BUS 243130 CKT 1	/ 243015 05GREENL 138 243130 05TIFFIN 138 1
OPEN BRANCH FROM BUS 243039 TO BUS 243130 CKT 1	/ 243039 05MELMOR 138 243130 05TIFFIN 138 1
OPEN BRANCH FROM BUS 243015 TO BUS 245621 CKT 1 END	/ 243015 05GREENL 138 245621 GREENLAW 69.0 1
CONTINGENCY '6643'	
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 243366 CKT 1	/ 243305 05HACIEN 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243330 TO BUS 243366 CKT 1	/ 243330 05LINCOL 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 1	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 1
OPEN BRANCH FROM BUS 243305 TO BUS 246120 CKT 2	/ 243305 05HACIEN 138 246120 HACIEN L 12.0 2
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1 END	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
CONTINGENCY '6645'	
OPEN BRANCH FROM BUS 243305 TO BUS 243306 CKT 1	/ 243305 05HACIEN 138 243306 05HARPER 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 243342 CKT 1	/ 243306 05HARPER 138 243342 05MILAN 138 1
OPEN BRANCH FROM BUS 243330 TO BUS 243366 CKT 1	/ 243330 05LINCOL 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243306 TO BUS 246122 CKT 1 END	/ 243306 05HARPER 138 246122 HARPER L 12.0 1
CONTINGENCY '6644'	
OPEN BRANCH FROM BUS 243305 TO BUS 243366 CKT 1	/ 243305 05HACIEN 138 243366 05ROB PK 138 1
OPEN BRANCH FROM BUS 243330 TO BUS 243366 CKT 1 END	/ 243330 05LINCOL 138 243366 05ROB PK 138 1
CONTINGENCY '7255'	
OPEN BRANCH FROM BUS 243308 TO BUS 243350 CKT 1	/ 243308 05HICKOR 138 243350 05NICKER 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243365 CKT 1	/ 243322 05KENZIE 138 243365 05RIVRS 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243376 CKT 1	/ 243322 05KENZIE 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 243376 CKT 1	/ 243350 05NICKER 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 246475 CKT 1	/ 243350 05NICKER 138 246475 NICKER L 12.0 1
OPEN BRANCH FROM BUS 243376 TO BUS 246490 CKT 1 END	/ 243376 05SODUS 138 246490 SODUS L 12.0 1
CONTINGENCY '7256'	
OPEN BRANCH FROM BUS 243308 TO BUS 243350 CKT 1	/ 243308 05HICKOR 138 243350 05NICKER 138 1
OPEN BRANCH FROM BUS 243322 TO BUS 243365 CKT 1	/ 243322 05KENZIE 138 243365 05RIVRS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 243376 CKT 1	/ 243350 05NICKER 138 243376 05SODUS 138 1
OPEN BRANCH FROM BUS 243350 TO BUS 246475 CKT 1	/ 243350 05NICKER 138 246475 NICKER L 12.0 1
OPEN BRANCH FROM BUS 243376 TO BUS 246490 CKT 1 END	/ 243376 05SODUS 138 246490 SODUS L 12.0 1
CONTINGENCY '7619'	
OPEN BRANCH FROM BUS 243308 TO BUS 246994 CKT 1	/ 243308 05HICKOR 138 246994 05RICKMN 138 1
OPEN BRANCH FROM BUS 243349 TO BUS 246996 CKT 1 END	/ 243349 05NEWCAR 138 246996 05PLETCH 138 1
CONTINGENCY '8053'	
OPEN BRANCH FROM BUS 242669 TO BUS 242739 CKT 1	/ 242669 05HOLST1 138 242739 05ORBNK2 138 1
OPEN BRANCH FROM BUS 242678 TO BUS 242732 CKT 1 END	/ 242678 05INDIAS 138 242732 05NBRSTL 138 1
CONTINGENCY '6801'	
OPEN BRANCH FROM BUS 243526 TO BUS 243566 CKT 1	/ 243526 05HYATT 138 243566 05SAWMIL 138 1
OPEN BRANCH FROM BUS 243526 TO BUS 243566 CKT 2	/ 243526 05HYATT 138 243566 05SAWMIL 138 2

```

END
CONTINGENCY '8290'
  OPEN BRANCH FROM BUS 243317 TO BUS 243318 CKT 1      / 243317 05IRELAN 138 243318 05JACKSR 138 1
  OPEN BRANCH FROM BUS 243318 TO BUS 243385 CKT 2      / 243318 05JACKSR 138 243385 05TWIN B 138 2
END
CONTINGENCY '7592'
  OPEN BRANCH FROM BUS 242684 TO BUS 242760 CKT 1      / 242684 05J.FERR 138 242760 05PROGPK 138 1
  OPEN BRANCH FROM BUS 242684 TO BUS 242859 CKT 1      / 242684 05J.FERR 138 242859 05WYTHE2 138 1
END
CONTINGENCY '7257'
  OPEN BRANCH FROM BUS 243322 TO BUS 243365 CKT 1      / 243322 05KENZIE 138 243365 05RIVRSD 138 1
  OPEN BRANCH FROM BUS 243322 TO BUS 243376 CKT 1      / 243322 05KENZIE 138 243376 05SODUS 138 1
END
CONTINGENCY '7620'
  OPEN BRANCH FROM BUS 243349 TO BUS 246996 CKT 1      / 243349 05NEWCAR 138 246996 05PLETCH 138 1
  OPEN BRANCH FROM BUS 243353 TO BUS 246994 CKT 1      / 243353 05OLIVE 138 246994 05RICKMN 138 1
END
CONTINGENCY '478'
  OPEN BRANCH FROM BUS 243070 TO BUS 243094 CKT 1      / 243070 05OHIOCT 138 243094 05SCOSHC 138 1
  OPEN BRANCH FROM BUS 243070 TO BUS 243145 CKT 1      / 243070 05OHIOCT 138 243145 05WCOSHC 138 1
END
CONTINGENCY '8366'
  OPEN BRANCH FROM BUS 242782 TO BUS 242836 CKT 1      / 242782 05RUTH 138 242836 05TURN1 138 1
  OPEN BRANCH FROM BUS 242813 TO BUS 242836 CKT 1      / 242813 05SRIDGE 138 242836 05TURN1 138 1
END
/*=====AEP TIES=====
CONTINGENCY '4743'
  OPEN BRANCH FROM BUS 235707 TO BUS 242946 CKT 1      / 235707 01WYLIE R 345 242946 05TIDD 345 1
  OPEN BRANCH FROM BUS 242946 TO BUS 253965 CKT 1      / 242946 05TIDD 345 253965 15COLLIE 345 1
END
CONTINGENCY 'C5-TWL-CR043A'                          /* HOLLOWAY-HARMON 138 #3 AND HOLLOWAY-CLOVERDALE
138 #1
  DISCONNECT BRANCH FROM BUS 239354 TO BUS 247131 CKT 3 /* 02HARMON 138.00 05HOLLOW 138.00
  DISCONNECT BRANCH FROM BUS 238629 TO BUS 247131 CKT 1 /* 02CLVRDL 138.00 05HOLLOW 138.00
END
CONTINGENCY '517'
  OPEN BRANCH FROM BUS 238889 TO BUS 242936 CKT 1      / 238889 02LEMOYN 345 242936 05FOSTOR 345 1
  OPEN BRANCH FROM BUS 242936 TO BUS 241901 CKT 1F      / 242936 05FOSTOR 345 913445 Y1-069 JNT 345 1
END
CONTINGENCY '466'
  OPEN BRANCH FROM BUS 239133 TO BUS 243458 CKT 1      / 239133 02TANGY 345 243458 05HYATT 345 1
  OPEN BRANCH FROM BUS 243458 TO BUS 242939 CKT 1      / 243458 05HYATT 345 242939 05MARYSV 345 1
END
CONTINGENCY '467'
  OPEN BRANCH FROM BUS 239133 TO BUS 242939 CKT 1      / 239133 02TANGY 345 242939 05MARYSV 345 1
  OPEN BRANCH FROM BUS 243458 TO BUS 242939 CKT 1      / 243458 05HYATT 345 242939 05MARYSV 345 1
END
CONTINGENCY '7099'
  OPEN BRANCH FROM BUS 239070 TO BUS 243029 CKT 1      / 239070 02RICHLD 138 243029 05LCKWRD 138 1
  OPEN BRANCH FROM BUS 239269 TO BUS 242993 CKT 1      / 239269 02RICHLJ 138 242993 05E.LPSC 138 1
  OPEN BRANCH FROM BUS 242971 TO BUS 243029 CKT 1      / 242971 05BRYAN 138 243029 05LCKWRD 138 1
  OPEN BRANCH FROM BUS 243029 TO BUS 243086 CKT 1      / 243029 05LCKWRD 138 243086 05S HICK 138 1
  OPEN BRANCH FROM BUS 242971 TO BUS 245865 CKT 1      / 242971 05BRYAN 138 245865 BRYAN 69.0 1
END
CONTINGENCY '7100'
  OPEN BRANCH FROM BUS 239070 TO BUS 243029 CKT 1      / 239070 02RICHLD 138 243029 05LCKWRD 138 1
  OPEN BRANCH FROM BUS 239269 TO BUS 242993 CKT 1      / 239269 02RICHLJ 138 242993 05E.LPSC 138 1
END
CONTINGENCY '6816'
  OPEN BRANCH FROM BUS 239269 TO BUS 242993 CKT 1      / 239269 02RICHLJ 138 242993 05E.LPSC 138 1
  OPEN BRANCH FROM BUS 242957 TO BUS 243080 CKT 1      / 242957 05BASEL8 138 243080 05RILEYC 138 1

```

OPEN BRANCH FROM BUS 243083 TO BUS 242989 CKT 1	/ 243083 05CAMPSS 138 242989 05E LIMA 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 243121 CKT 1	/ 243083 05CAMPSS 138 243121 05ROCKPO 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 243121 CKT 1	/ 243083 05CAMPSS 138 243121 05ROCKPO 138 1
OPEN BRANCH FROM BUS 242993 TO BUS 247000 CKT 1	/ 242993 05E.LPSC 138 247000 05YELLWC 138 1
OPEN BRANCH FROM BUS 243080 TO BUS 247000 CKT 1	/ 243080 05RILEYC 138 247000 05YELLWC 138 1
OPEN BRANCH FROM BUS 242993 TO BUS 245792 CKT 1	/ 242993 05E.LPSC 138 245792 E.LEIPSC 69.0 1
OPEN BRANCH FROM BUS 242993 TO BUS 245799 CKT 1	/ 242993 05E.LPSC 138 245799 05ELEIPL 13.0 1
OPEN BRANCH FROM BUS 242993 TO BUS 245803 CKT Z1	/ 242993 05E.LPSC 138 245803 HANCKW8L 13.0 Z1
OPEN BRANCH FROM BUS 242957 TO BUS 245913 CKT Z1	/ 242957 05BASEL8 138 245913 BASELN8 12.0 Z1
OPEN BRANCH FROM BUS 243121 TO BUS 245839 CKT Z1	/ 243121 05ROCKPO 138 245839 ROCKP L8 12.0 Z1
OPEN BRANCH FROM BUS 247000 TO BUS 247001 CKT Z1	/ 247000 05YELLWC 138 247001 05YELWCL 12.0 Z1
OPEN BRANCH FROM BUS 245792 TO BUS 245810 CKT 1	/ 245792 E.LEIPSC 69.0 245810 NLEIP SW 69.0 1
OPEN BRANCH FROM BUS 245792 TO BUS 245804 CKT 1	/ 245792 E.LEIPSC 69.0 245804 E.LEIPSC 34.5 1
OPEN BRANCH FROM BUS 245804 TO BUS 245785 CKT 1	/ 245804 E.LEIPSC 34.5 245785 SHAWTNW8 34.5 1
END	
CONTINGENCY '8103'	
OPEN BRANCH FROM BUS 239269 TO BUS 242993 CKT 1	/ 239269 02RICHLJ 138 242993 05E.LPSC 138 1
OPEN BRANCH FROM BUS 242957 TO BUS 243080 CKT 1	/ 242957 05BASEL8 138 243080 05RILEYC 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 242989 CKT 1	/ 243083 05CAMPSS 138 242989 05E LIMA 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 243121 CKT 1	/ 243083 05CAMPSS 138 243121 05ROCKPO 138 1
OPEN BRANCH FROM BUS 243083 TO BUS 243121 CKT 1	/ 243083 05CAMPSS 138 243121 05ROCKPO 138 1
OPEN BRANCH FROM BUS 242993 TO BUS 247000 CKT 1	/ 242993 05E.LPSC 138 247000 05YELLWC 138 1
OPEN BRANCH FROM BUS 243080 TO BUS 247000 CKT 1	/ 243080 05RILEYC 138 247000 05YELLWC 138 1
OPEN BRANCH FROM BUS 242993 TO BUS 245792 CKT 1	/ 242993 05E.LPSC 138 245792 E.LEIPSC 69.0 1
OPEN BRANCH FROM BUS 242993 TO BUS 245799 CKT 1	/ 242993 05E.LPSC 138 245799 05ELEIPL 13.0 1
OPEN BRANCH FROM BUS 242993 TO BUS 245803 CKT Z1	/ 242993 05E.LPSC 138 245803 HANCKW8L 13.0 Z1
OPEN BRANCH FROM BUS 242957 TO BUS 245913 CKT Z1	/ 242957 05BASEL8 138 245913 BASELN8 12.0 Z1
OPEN BRANCH FROM BUS 243121 TO BUS 245839 CKT Z1	/ 243121 05ROCKPO 138 245839 ROCKP L8 12.0 Z1
OPEN BRANCH FROM BUS 247000 TO BUS 247001 CKT Z1	/ 247000 05YELLWC 138 247001 05YELWCL 12.0 Z1
END	
CONTINGENCY '6883'	
OPEN BRANCH FROM BUS 246085 TO BUS 243344 CKT 1	/ 246085 MODOC EQ 999 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 246085 TO BUS 246083 CKT 1	/ 246085 MODOC EQ 999 246083 MODOC 69.0 1
OPEN BRANCH FROM BUS 246085 TO BUS 246084 CKT 1	/ 246085 MODOC EQ 999 246084 MODOC L 12.0 1
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1	/ 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 243344 CKT 1	/ 243259 05CNTRVL 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243344 CKT 1	/ 243275 05DELAWR 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243373 CKT 1	/ 243275 05DELAWR 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243373 CKT 1	/ 243364 05RICHMO 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 250345 CKT 1	/ 243259 05CNTRVL 138 250345 08CENTVL 69.0 1
OPEN BRANCH FROM BUS 243364 TO BUS 243408 CKT 2	/ 243364 05RICHMO 138 243408 05RICHMO 69.0 2
OPEN BRANCH FROM BUS 243373 TO BUS 246091 CKT 1	/ 243373 05SELMAP 138 246091 SELMAP L 12.0 1
OPEN BRANCH FROM BUS 246080 TO BUS 246083 CKT 1	/ 246080 HUNTSVIL 69.0 246083 MODOC 69.0 1
END	
CONTINGENCY '6884'	
OPEN BRANCH FROM BUS 246085 TO BUS 243344 CKT 1	/ 246085 MODOC EQ 999 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 246085 TO BUS 246083 CKT 1	/ 246085 MODOC EQ 999 246083 MODOC 69.0 1
OPEN BRANCH FROM BUS 246085 TO BUS 246084 CKT 1	/ 246085 MODOC EQ 999 246084 MODOC L 12.0 1
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1	/ 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 243344 CKT 1	/ 243259 05CNTRVL 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 243364 CKT 1	/ 243262 05COLLCO 138 243364 05RICHMO 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243344 CKT 1	/ 243275 05DELAWR 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 250345 CKT 1	/ 243259 05CNTRVL 138 250345 08CENTVL 69.0 1
OPEN BRANCH FROM BUS 243364 TO BUS 243408 CKT 1	/ 243364 05RICHMO 138 243408 05RICHMO 69.0 1
OPEN BRANCH FROM BUS 246080 TO BUS 246083 CKT 1	/ 246080 HUNTSVIL 69.0 246083 MODOC 69.0 1
END	
CONTINGENCY '8123'	
OPEN BRANCH FROM BUS 243453 TO BUS 253110 CKT 1	/ 243453 05BEATTY 345 253110 09ADKINS 345 1
OPEN BRANCH FROM BUS 243453 TO BUS 253248 CKT 1	/ 243453 05BEATTY 345 253248 09SCHARL 345 1
OPEN BRANCH FROM BUS 243453 TO BUS 243469 CKT 3	/ 243453 05BEATTY 345 243469 05BEATTY 138 3
END	

CONTINGENCY '6566'	
OPEN BRANCH FROM BUS 243214 TO BUS 243231 CKT 1	/ 243214 05COLNGW 345 243231 05ROB PK 345 1
OPEN BRANCH FROM BUS 243214 TO BUS 243784 CKT 1	/ 243214 05COLNGW 345 243784 05S.BTLR 345 1
OPEN BRANCH FROM BUS 243231 TO BUS 256509 CKT 1	/ 243231 05ROB PK 345 256509 18WEEDLK 345 1
END	
CONTINGENCY '6567'	
OPEN BRANCH FROM BUS 243214 TO BUS 243231 CKT 1	/ 243214 05COLNGW 345 243231 05ROB PK 345 1
OPEN BRANCH FROM BUS 243231 TO BUS 256509 CKT 1	/ 243231 05ROB PK 345 256509 18WEEDLK 345 1
END	
CONTINGENCY '6581'	
OPEN BRANCH FROM BUS 243214 TO BUS 255105 CKT 1	/ 243214 05COLNGW 345 255105 17HIPLE 345 1
OPEN BRANCH FROM BUS 243231 TO BUS 256509 CKT 1	/ 243231 05ROB PK 345 256509 18WEEDLK 345 1
END	
CONTINGENCY '8030'	
OPEN BRANCH FROM BUS 243215 TO BUS 243220 CKT 1	/ 243215 05COOK 345 243220 05EELKHA 345 1
OPEN BRANCH FROM BUS 243234 TO BUS 256000 CKT 1	/ 243234 05TWIN B 345 256000 18ARGNTA 345 1
END	
CONTINGENCY '8028'	
OPEN BRANCH FROM BUS 243215 TO BUS 243220 CKT 1	/ 243215 05COOK 345 243220 05EELKHA 345 1
OPEN BRANCH FROM BUS 243231 TO BUS 256509 CKT 1	/ 243231 05ROB PK 345 256509 18WEEDLK 345 1
END	
CONTINGENCY '8029'	
OPEN BRANCH FROM BUS 243220 TO BUS 255105 CKT 1	/ 243220 05EELKHA 345 255105 17HIPLE 345 1
OPEN BRANCH FROM BUS 243231 TO BUS 256509 CKT 1	/ 243231 05ROB PK 345 256509 18WEEDLK 345 1
END	
CONTINGENCY '6589'	
OPEN BRANCH FROM BUS 243224 TO BUS 243234 CKT 1	/ 243224 05KENZIE 345 243234 05TWIN B 345 1
OPEN BRANCH FROM BUS 243234 TO BUS 256000 CKT 1	/ 243234 05TWIN B 345 256000 18ARGNTA 345 1
END	
CONTINGENCY '6887'	
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1	/ 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 243344 CKT 1	/ 243259 05CNTRVL 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243275 TO BUS 243373 CKT 1	/ 243275 05DELAWR 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243364 TO BUS 243373 CKT 1	/ 243364 05RICHMO 138 243373 05SELMAP 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 250345 CKT 1	/ 243259 05CNTRVL 138 250345 08CENTVL 69.0 1
OPEN BRANCH FROM BUS 243373 TO BUS 246091 CKT 1	/ 243373 05SELMAP 138 246091 SELMAP L 12.0 1
END	
CONTINGENCY '6888'	
OPEN BRANCH FROM BUS 243259 TO BUS 243262 CKT 1	/ 243259 05CNTRVL 138 243262 05COLLCO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 243344 CKT 1	/ 243259 05CNTRVL 138 243344 05MODOC 138 1
OPEN BRANCH FROM BUS 243262 TO BUS 243364 CKT 1	/ 243262 05COLLCO 138 243364 05RICHMO 138 1
OPEN BRANCH FROM BUS 243259 TO BUS 250345 CKT 1	/ 243259 05CNTRVL 138 250345 08CENTVL 69.0 1
END	
CONTINGENCY '374'	
OPEN BRANCH FROM BUS 242701 TO BUS 242802 CKT 1	/ 242701 05LEESVI 138 242802 05SMITHM 138 1
OPEN BRANCH FROM BUS 242701 TO BUS 314667 CKT 1	/ 242701 05LEESVI 138 314667 4ALTVSTA 138 1
END	
/*=====OVEC=====	
CONTINGENCY '632'	
OPEN BRANCH FROM BUS 248000 TO BUS 248001 CKT 1	/ 248000 06CLIFTY 345 248001 06DEARB1 345 1
OPEN BRANCH FROM BUS 248000 TO BUS 248002 CKT 2	/ 248000 06CLIFTY 345 248002 06DEARB2 345 2
END	
CONTINGENCY '633'	
OPEN BRANCH FROM BUS 248000 TO BUS 248013 CKT 1	/ 248000 06CLIFTY 345 248013 06PIERCE 345 1
OPEN BRANCH FROM BUS 248000 TO BUS 248013 CKT 2	/ 248000 06CLIFTY 345 248013 06PIERCE 345 2
END	
CONTINGENCY '634'	
OPEN BRANCH FROM BUS 248003 TO BUS 248005 CKT 1	/ 248003 06DOE530 345 248005 06KYGER 345 1
OPEN BRANCH FROM BUS 248003 TO BUS 248005 CKT 2	/ 248003 06DOE530 345 248005 06KYGER 345 2
END	
CONTINGENCY '635'	


```

OPEN BRANCH FROM BUS 248003 TO BUS 248013 CKT 1      / 248003 06DOE530 345 248013 06PIERCE 345 1
OPEN BRANCH FROM BUS 248003 TO BUS 248013 CKT 2      / 248003 06DOE530 345 248013 06PIERCE 345 2
END
/*=====OVEC TIES=====
CONTINGENCY '6111'
OPEN BRANCH FROM BUS 242938 TO BUS 248005 CKT 1      / 242938 05MARQUI 345 248005 06KYGER 345 1
OPEN BRANCH FROM BUS 248005 TO BUS 248013 CKT 1      / 248005 06KYGER 345 248013 06PIERCE 345 1
END
CONTINGENCY '638'
OPEN BRANCH FROM BUS 242528 TO BUS 248005 CKT 1      / 242528 05SPORN 345 248005 06KYGER 345 1
OPEN BRANCH FROM BUS 242528 TO BUS 248005 CKT 2      / 242529 05TRISTA 345 248005 06KYGER 345 1
END
CONTINGENCY '486'
OPEN BRANCH FROM BUS 248001 TO BUS 248013 CKT 1      / 248001 06DEARB1 345 248013 06PIERCE 345 1
OPEN BRANCH FROM BUS 248013 TO BUS 249564 CKT 1      / 248013 06PIERCE 345 249564 08BUFTN1 345 1
END
CONTINGENCY '485'
OPEN BRANCH FROM BUS 248001 TO BUS 248013 CKT 1      / 248001 06DEARB1 345 248013 06PIERCE 345 1
OPEN BRANCH FROM BUS 248002 TO BUS 249564 CKT 1      / 248002 06DEARB2 345 249564 08BUFTN1 345 1
END
CONTINGENCY '6837'
OPEN BRANCH FROM BUS 248009 TO BUS 250057 CKT 1      / 248009 06CLIFTY 138 250057 08M.FORT 138 1
OPEN BRANCH FROM BUS 248009 TO BUS 324289 CKT 1      / 248009 06CLIFTY 138 324289 4NORTHSD 138 1
END
CONTINGENCY 'C5 4519BUFFCLIFTYPIERCEDEAR1OVEC'
OPEN BRANCH FROM BUS 248000 TO BUS 248002 CKT 2      / 248000 06CLIFTY 345 248002 06DEARB2 345 2
OPEN BRANCH FROM BUS 248002 TO BUS 249564 CKT 1      / 248002 06DEARB2 345 249564 08BUFTN1 345 1
OPEN BRANCH FROM BUS 248001 TO BUS 248013 CKT 1      / 248001 06DEARB1 345 248013 06PIERCE 345 1
END
/*=====DAY TIES=====
CONTINGENCY '495'
OPEN BRANCH FROM BUS 249566 TO BUS 253006 CKT 1      / 249566 08FOSTER 345 253006 09BATH 345 1
OPEN BRANCH FROM BUS 253014 TO BUS 253027 CKT 1      / 253014 09CLINTO 345 253027 09GREENE 345 1
OPEN BRANCH FROM BUS 253014 TO BUS 253013 CKT 1      / 253014 09CLINTO 345 253013 09CLINTO 69.0 1
END
CONTINGENCY '494'
OPEN BRANCH FROM BUS 249566 TO BUS 253006 CKT 1      / 249566 08FOSTER 345 253006 09BATH 345 1
OPEN BRANCH FROM BUS 253006 TO BUS 253027 CKT 1      / 253006 09BATH 345 253027 09GREENE 345 1
END
CONTINGENCY '493'
OPEN BRANCH FROM BUS 249566 TO BUS 253006 CKT 1      / 249566 08FOSTER 345 253006 09BATH 345 1
OPEN BRANCH FROM BUS 253027 TO BUS 253079 CKT 1      / 253027 09GREENE 345 253079 09SUGRCK 345 1
END
CONTINGENCY '497'
OPEN BRANCH FROM BUS 249566 TO BUS 253079 CKT 1      / 249566 08FOSTER 345 253079 09SUGRCK 345 1
OPEN BRANCH FROM BUS 253027 TO BUS 253079 CKT 1      / 253027 09GREENE 345 253079 09SUGRCK 345 1
OPEN BRANCH FROM BUS 253079 TO BUS 253078 CKT 1      / 253079 09SUGRCK 345 253078 09SUGRCK 138 1
OPEN BRANCH FROM BUS 253079 TO BUS 253078 CKT 2      / 253079 09SUGRCK 345 253078 09SUGRCK 138 2
END
CONTINGENCY '4511HILLCRESTSTUARTCLINTONSTUARTDPL'
OPEN BRANCH FROM BUS 253077 TO BUS 249578 CKT 1      / 249578 08HILCRT 345 253077 09STUART 345 1
OPEN BRANCH FROM BUS 253014 TO BUS 253077 CKT 1      / 253014 09CLINTO 345 253077 09STUART 345 1
END
/*=====DEO&K=====
CONTINGENCY 'C5 4514MFTERMINAL4516TERMINALEB'
OPEN BRANCH FROM BUS 249567 TO BUS 249575 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249565 TO BUS 249575 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 4561TODWOOD14562TODWOOD2'
OPEN BRANCH FROM BUS 249574 TO BUS 249576 CKT 1
OPEN BRANCH FROM BUS 249574 TO BUS 249576 CKT 2

```

```

END
CONTINGENCY 'C5 4544PUZIMMER4508FOSTERPU'
  OPEN BRANCH FROM BUS 249570 TO BUS 249577 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249566 TO BUS 249570 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT7484&4187'
  OPEN BRANCH FROM BUS 249984 TO BUS 250093 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250055 TO BUS 250056 CKT Z1
  OPEN BRANCH FROM BUS 250055 TO BUS 250093 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT1288&684'
  OPEN BRANCH FROM BUS 249984 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250073 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250081 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250018 TO BUS 250019 CKT Z1
  OPEN BRANCH FROM BUS 250018 TO BUS 250056 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT3981&684'
  OPEN BRANCH FROM BUS 250081 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250018 TO BUS 250019 CKT Z1
  OPEN BRANCH FROM BUS 250018 TO BUS 250056 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT3981&4187'
  OPEN BRANCH FROM BUS 249984 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250073 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250081 TO BUS 250110 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250055 TO BUS 250056 CKT Z1
  OPEN BRANCH FROM BUS 250055 TO BUS 250093 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT886&885'
  OPEN BRANCH FROM BUS 250158 TO BUS 250081 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 250100 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 249989 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250081 TO BUS 250092 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT4685&4513PUTERMINAL'
  OPEN BRANCH FROM BUS 250023 TO BUS 250118 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249570 TO BUS 249575 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT5783&9782'
  OPEN BRANCH FROM BUS 250032 TO BUS 250070 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250070 TO BUS 250071 CKT Z1
  OPEN BRANCH FROM BUS 250131 TO BUS 250032 CKT 1      /* -CKT ID FIXED
  OPEN BUS 252149
END
CONTINGENCY 'C5 CIRCUIT1782&1783'
  OPEN BRANCH FROM BUS 250036 TO BUS 250117 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250061 TO BUS 250118 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250017 TO BUS 250061 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT7284&1783'
  OPEN BRANCH FROM BUS 250048 TO BUS 250060 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250057 TO BUS 250060 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250037 TO BUS 250049 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250048 TO BUS 250049 CKT Z1
  OPEN BRANCH FROM BUS 250061 TO BUS 250118 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250017 TO BUS 250061 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT1881&5988'
  OPEN BRANCH FROM BUS 249988 TO BUS 250133 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250000 TO BUS 250132 CKT 1      /* -CKT ID FIXED

```

```

OPEN BRANCH FROM BUS 249989 TO BUS 250000 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT1881&6282'
OPEN BRANCH FROM BUS 249988 TO BUS 250133 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250043 TO BUS 250047 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250043 TO BUS 250148 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250042 TO BUS 250043 CKT Z1
OPEN BRANCH FROM BUS 250042 TO BUS 250097 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250047 TO BUS 251357 TO BUS 251796 CKT 1 /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT1880&4545REDBANKSILGRVZIMMER'
OPEN BRANCH FROM BUS 249988 TO BUS 250097 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249573 TO BUS 249577 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249573 TO BUS 249571 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249573 TO BUS 250097 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT4683&4513PUTERMINAL'
OPEN BRANCH FROM BUS 250050 TO BUS 250051 CKT Z1
OPEN BRANCH FROM BUS 250050 TO BUS 250082 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250022 TO BUS 250051 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249570 TO BUS 249575 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT3881&9482'
OPEN BUS 250157
OPEN BUS 250004
OPEN BUS 250005
OPEN BRANCH FROM BUS 250025 TO BUS 250026 CKT Z1
OPEN BRANCH FROM BUS 249989 TO BUS 250025 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250026 TO BUS 250142 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250095 TO BUS 250142 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250094 TO BUS 250095 CKT Z1
END
CONTINGENCY 'C5 CIRCUIT9482&5487'
OPEN BRANCH FROM BUS 250025 TO BUS 250026 CKT Z1
OPEN BRANCH FROM BUS 249989 TO BUS 250025 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250026 TO BUS 250142 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250095 TO BUS 250142 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250094 TO BUS 250095 CKT Z1
OPEN BRANCH FROM BUS 250075 TO BUS 250076 CKT Z1
OPEN BRANCH FROM BUS 250029 TO BUS 250075 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250076 TO BUS 250094 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT5487&3881'
OPEN BRANCH FROM BUS 250075 TO BUS 250076 CKT Z1
OPEN BRANCH FROM BUS 250029 TO BUS 250075 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250076 TO BUS 250094 CKT 1      /* -CKT ID FIXED
OPEN BUS 250157
OPEN BUS 250004
OPEN BUS 250005
END
CONTINGENCY 'C5 CIRCUIT5689&4515FOSTERTODHUNTER'
OPEN BRANCH FROM BUS 250105 TO BUS 250139 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249566 TO BUS 249574 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT5381&4515FOSTERTODHUNTER'
OPEN BRANCH FROM BUS 250098 TO BUS 250149 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250121 TO BUS 250149 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 250139 TO BUS 250149 CKT Z1
OPEN BRANCH FROM BUS 250003 TO BUS 250121 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 249566 TO BUS 249574 CKT 1      /* -CKT ID FIXED
END

```

```

CONTINGENCY 'C5 CIRCUIT5485&4515FOSTERTODHUNTER'
  OPEN BRANCH FROM BUS 250029 TO BUS 250085 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250084 TO BUS 250085 CKT Z1
  OPEN BRANCH FROM BUS 249987 TO BUS 250084 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249987 TO BUS 250098 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249566 TO BUS 249574 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT3887&3888'
  OPEN BRANCH FROM BUS 250065 TO BUS 250083 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250065 TO BUS 250105 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249985 TO BUS 250082 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249985 TO BUS 250105 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT5682&5686'
  OPEN BRANCH FROM BUS 249981 TO BUS 250105 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249982 TO BUS 250112 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250010 TO BUS 250112 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250105 TO BUS 250112 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250010 TO BUS 251944 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250010 TO BUS 251945 CKT 2
  OPEN BRANCH FROM BUS 250010 TO BUS 251946 CKT 3
END
CONTINGENCY 'C5 CIRCUIT5987&5988'
  OPEN BRANCH FROM BUS 250052 TO BUS 250097 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250052 TO BUS 250153 CKT Z1
  OPEN BRANCH FROM BUS 250153 TO BUS 250133 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250000 TO BUS 250132 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249989 TO BUS 250000 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT1883&4545REDBANKSILGRVZIMMER'
  OPEN BRANCH FROM BUS 249989 TO BUS 250080 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250079 TO BUS 250080 CKT Z1
  OPEN BRANCH FROM BUS 250079 TO BUS 250092 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249573 TO BUS 249577 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249573 TO BUS 250097 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249571 TO BUS 249573 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT1284&8286'
  OPEN BRANCH FROM BUS 250046 TO BUS 250074 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250046 TO BUS 250117 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250091 TO BUS 250118 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIR1885&886'
  OPEN BUS 252357
  OPEN BRANCH FROM BUS 249988 TO BUS 250103 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 250081 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 250100 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 249989 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIR886&7489'
  OPEN BRANCH FROM BUS 250158 TO BUS 250081 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 250100 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250158 TO BUS 249989 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250093 TO BUS 250103 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT7481&4546REDBANKTERMINAL'
  OPEN BRANCH FROM BUS 250012 TO BUS 250114 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250038 TO BUS 250114 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250092 TO BUS 250114 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250038 TO BUS 250118 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250011 TO BUS 250012 CKT Z1

```

OPEN BRANCH FROM BUS 250011 TO BUS 250115 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250002 TO BUS 250115 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249571 TO BUS 249575 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'C5 CIRCUIT1689&9784'	
OPEN BRANCH FROM BUS 250057 TO BUS 250071 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250070 TO BUS 250071 CKT Z1	
OPEN BRANCH FROM BUS 250057 TO BUS 250131 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'C5 CIRCUIT5783&9784'	
OPEN BRANCH FROM BUS 250032 TO BUS 250070 CKT 1	
OPEN BRANCH FROM BUS 250070 TO BUS 250071 CKT Z1	
OPEN BRANCH FROM BUS 250057 TO BUS 250131 CKT 1	
END	
CONTINGENCY 'C5 CIRCUIT3885&3886'	
OPEN BRANCH FROM BUS 250039 TO BUS 250040 CKT Z1	
OPEN BRANCH FROM BUS 250039 TO BUS 250083 CKT 1	
OPEN BRANCH FROM BUS 250032 TO BUS 250040 CKT 1	
OPEN BRANCH FROM BUS 250067 TO BUS 250082 CKT 1	
OPEN BRANCH FROM BUS 250066 TO BUS 250067 CKT Z1	
OPEN BRANCH FROM BUS 250066 TO BUS 250032 CKT 1	
OPEN BUS 252150	
END	
CONTINGENCY 'C5 CIRCUIT3881&5483'	
OPEN BUS 250157	
OPEN BUS 250004	
OPEN BUS 250005	
OPEN BRANCH FROM BUS 250111 TO BUS 250013 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250119 TO BUS 250120 CKT Z1	
OPEN BRANCH FROM BUS 250029 TO BUS 250119 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250099 TO BUS 250120 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250099 TO BUS 250102 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250102 TO BUS 250111 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250013 TO BUS 250083 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'C5 CIRCUIT3881&6984'	
OPEN BUS 250157	
OPEN BUS 250004	
OPEN BUS 250005	
OPEN BRANCH FROM BUS 249997 TO BUS 251288 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249988 TO BUS 249997 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249996 TO BUS 249997 CKT Z1	
OPEN BRANCH FROM BUS 249996 TO BUS 250100 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249996 TO BUS 251287 CKT 1	/* -CKT ID FIXED
END	
CONTINGENCY 'C5 CIRCUIT9482&6984'	
OPEN BRANCH FROM BUS 250025 TO BUS 250026 CKT Z1	
OPEN BRANCH FROM BUS 249989 TO BUS 250025 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250026 TO BUS 250142 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250095 TO BUS 250142 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 250094 TO BUS 250095 CKT Z1	
OPEN BRANCH FROM BUS 249997 TO BUS 251288 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249988 TO BUS 249997 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249996 TO BUS 249997 CKT Z1	
OPEN BRANCH FROM BUS 249996 TO BUS 250100 CKT 1	/* -CKT ID FIXED
OPEN BRANCH FROM BUS 249996 TO BUS 251287 CKT 1	/* -CKT ID FIXED
END	
/*=====DEO&K TIES=====	
CONTINGENCY '488'	
OPEN BRANCH FROM BUS 243233 TO BUS 249565 CKT 1	/ 243233 05TANNER 345 249565 08EBEND 345 1
OPEN BRANCH FROM BUS 249565 TO BUS 249575 CKT 1	/ 249565 08EBEND 345 249575 08TERMNL 345 1

```

END
CONTINGENCY '7981'
  OPEN BRANCH FROM BUS 243019 TO BUS 249995 CKT 1      / 243019 05HILLSB 138 249995 08CLINCO 138 1
  OPEN BRANCH FROM BUS 243019 TO BUS 253111 CKT 1      / 243019 05HILLSB 138 253111 09MIDDLE 138 1
  OPEN BRANCH FROM BUS 249995 TO BUS 250122 CKT 1      / 249995 08CLINCO 138 250122 08WARRN1 138 1
  OPEN BRANCH FROM BUS 253111 TO BUS 253057 CKT 1      / 253111 09MIDDLE 138 253057 09OHH 138 1
END
CONTINGENCY 'C5 4504MFTANNERS4512EBTANNERS'
  OPEN BRANCH FROM BUS 243233 TO BUS 249568 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249568 TO BUS 250057 CKT 10
  OPEN BRANCH FROM BUS 249568 TO BUS 250057 CKT 9
  OPEN BRANCH FROM BUS 243233 TO BUS 249565 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT3281&13803'
  OPEN BRANCH FROM BUS 250001 TO BUS 250144 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250116 TO BUS 250144 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 250001 TO BUS 251296 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 243262 TO BUS 250001 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 243262 TO BUS 250106 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 253057 TO BUS 250106 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 CIRCUIT3284&13803'
  OPEN BRANCH FROM BUS 250105 TO BUS 250116 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 243262 TO BUS 250106 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 253057 TO BUS 250106 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 34569FOSTERHILLCREST34598FOSTERBATH'
  OPEN BRANCH FROM BUS 249566 TO BUS 249578 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 253006 TO BUS 249566 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 34569FOSTERHILLCREST4524FOSTRSUGRCRK'
  OPEN BRANCH FROM BUS 249566 TO BUS 249578 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 253079 TO BUS 249566 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 4591MFWESTMILTON4592WOODSDALEMF'
  OPEN BRANCH FROM BUS 253090 TO BUS 249567 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 249567 TO BUS 249576 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 4524FOSTRSUGRCRK34598FOSTERBATH'
  OPEN BRANCH FROM BUS 253079 TO BUS 249566 CKT 1      /* -CKT ID FIXED
  OPEN BRANCH FROM BUS 253006 TO BUS 249566 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY 'C5 4541ZIMMERSPRLCKSTUARTSPURLOCKDPLEK'
  OPEN BRANCH FROM BUS 249581 TO BUS 249577 CKT 1
  OPEN BRANCH FROM BUS 253077 TO BUS 342838 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY '491'
  OPEN BRANCH FROM BUS 248013 TO BUS 249566 CKT 1      / 248013 06PIERCE 345 249566 08FOSTER 345 1
  OPEN BRANCH FROM BUS 249570 TO BUS 249577 CKT 1      / 249570 08P.UNON 345 249577 08ZIMER 345 1
END
/*=====EKPC=====
CONTINGENCY 'TOWER_2'
  OPEN BRANCH FROM BUS 342835 TO BUS 342838 CKT 1      / 342835 7N CLARK 342838 7SPURLOCK 345.00
  OPEN BRANCH FROM BUS 342583 TO BUS 342589 CKT 1      / 342583 4FLEMINGSBRG 342589 4GODDARD 138.00
  OPEN BRANCH FROM BUS 342583 TO BUS 342664 CKT 1      / 342583 4FLEMINGSBRG 342664 4SPURLOCK 138.00
END
CONTINGENCY 'TOWER_7'
  OPEN BRANCH FROM BUS 342583 TO BUS 342589 CKT 1      / 342583 4FLEMINGSBRG 342589 4GODDARD 138.00
  OPEN BRANCH FROM BUS 342583 TO BUS 342664 CKT 1      / 342583 4FLEMINGSBRG 342664 4SPURLOCK 138.00
  OPEN BRANCH FROM BUS 342622 TO BUS 342625 CKT 1      / 342622 4MAYSVIL I T 342625 4MAYSVIL IND138.00
  OPEN BRANCH FROM BUS 342622 TO BUS 342634 CKT 1      / 342622 4MAYSVIL I T 342634 4PLUMVILLE 138.00

```

```

OPEN BRANCH FROM BUS 342622 TO BUS 342664 CKT 1      / 342622 4MAYSVIL I T 342664 4SPURLOCK 138.00
END
CONTINGENCY 'TOWER_8'
OPEN BRANCH FROM BUS 342640 TO BUS 342664 CKT 1      / 342640 4RENAKER 342664 4SPURLOCK 138.00
OPEN BRANCH FROM BUS 342664 TO BUS 342667 CKT 1      / 342664 4SPURLOCK 342667 4STANLEY PRK138.00
END
/*=====EKPC TIES=====
CONTINGENCY 'C5 4541MELDAHLSRRLCKSTUARTSPURLOCKDPLEK'
OPEN BRANCH FROM BUS 342838 TO BUS 249581 CKT 1      /* -CKT ID FIXED
OPEN BRANCH FROM BUS 253077 TO BUS 342838 CKT 1      /* -CKT ID FIXED
END
CONTINGENCY '511'
OPEN BRANCH FROM BUS 253077 TO BUS 342838 CKT 1      / 253077 09STUART 342838 7SPURLOCK 345.00
END
CONTINGENCY 'TOWER_5'
OPEN BRANCH FROM BUS 324141 TO BUS 342718 CKT 1      / 324141 5ELIHU 342718 5COOPER2 161.00
OPEN BRANCH FROM BUS 342718 TO BUS 342757 CKT 1      / 342718 5COOPER2 342757 5LAUREL DAM 161.00
END
CONTINGENCY 'TOWER_6'
OPEN BRANCH FROM BUS 342715 TO BUS 342790 CKT 1      / 342715 5COOPER1 342790 5PULASK CO J161.00
OPEN BRANCH FROM BUS 342787 TO BUS 342790 CKT 1      / 342787 5PULASK CO 342790 5PULASK CO J161.00
OPEN BRANCH FROM BUS 342760 TO BUS 342790 CKT 1      / 342760 5LIBERTY J 342790 5PULASK CO J161.00
OPEN BRANCH FROM BUS 342715 TO BUS 342799 CKT 1      / 342715 5COOPER1 342799 5S OAKHILL 161.00
OPEN BRANCH FROM BUS 342745 TO BUS 342799 CKT 1      / 342745 5JABEZ T 342799 5S OAKHILL 161.00
OPEN BRANCH FROM BUS 342742 TO BUS 342745 CKT 1      / 342742 5JABEZ 342745 5JABEZ T 161.00
OPEN BRANCH FROM BUS 342745 TO BUS 342751 CKT 1      / 342745 5JABEZ T 342751 5JAMESTOWN T161.00
OPEN BRANCH FROM BUS 342748 TO BUS 342751 CKT 1      / 342748 5JAMESTOWN 342751 5JAMESTOWN
T161.00
OPEN BRANCH FROM BUS 342751 TO BUS 342796 CKT 1      / 342751 5JAMESTOWN T 342796 5RUSSEL CO
J161.00
OPEN BRANCH FROM BUS 342793 TO BUS 342796 CKT 1      / 342793 5RUSSEL CO 342796 5RUSSEL CO J161.00
OPEN BRANCH FROM BUS 342796 TO BUS 342826 CKT 1      / 342796 5RUSSEL CO J 342826 5WOLF CRK J 161.00
OPEN BRANCH FROM BUS 342826 TO BUS 360448 CKT Z1     / 342826 5WOLF CRK J 360448 5WOLF CRK HP161.00
END
END

```

A.3 Monitored Element Description Data File

```
/PSS/E32.00  
COM  
  
COM MONITORED element file entry created by PSS®E Config File Builder  
COM  
MONITOR VOLTAGE RANGE SUBSYSTEM 'DPL_Voltage' 0.920 1.050  
MONITOR VOLTAGE RANGE SUBSYSTEM 'DPL_500' 0.970 1.1  
MONITOR BRANCHES IN SUBSYSTEM 'DPL_Set2'  
MONITOR TIES FROM SUBSYSTEM 'DPL_Set2'  
MONITOR BRANCHES IN SUBSYSTEM 'DPL_Set3&4'  
MONITOR TIES FROM SUBSYSTEM 'DPL_Set3&4'  
END
```

AC Contingency Files

This page intentionally left blank.

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/22/2016 1:43:09 PM

in

Case No(s). 16-0395-EL-SSO, 16-0396-EL-ATA, 16-0397-EL-AAM

Summary: Application Application of The Dayton Power and Light Company for Approval of Its Electric Security Plan (Volume 3 of 8 - Testimony - Witness Grande-Moran) electronically filed by Mr. Charles J. Faruki on behalf of The Dayton Power and Light Company