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## **APPENDIX L**

N-1-1 ASSESSMENT

CONTINGENCY LIST

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# N-1-1 ASSESSMENT CONTINGENCY LIST

L.1	N-1 CONTINGENCIES EVALUATED	L-1
L.2	N-1-1 CONTINGENCIES EVALUATED	L-4

## Table K.1. N-1 CONTINGENCIES EVALUATED

CONTINGENCY 'Niag Roch'  
DISCONNECT BRANCH FROM BUS 147834 TO BUS 149000 CKT 1 /\* NIAG 345 ROCH 345 345 345  
END

CONTINGENCY 'Roch Pannell'  
DISCONNECT BRANCH FROM BUS 149000 TO BUS 149001 CKT 2 /\* ROCH 345 PANNELL3 345 345  
END

CONTINGENCY 'Pannell Clay'  
DISCONNECT BRANCH FROM BUS 136150 TO BUS 149001 CKT 2 /\* CLAY PANNELL3 345 345  
END

CONTINGENCY 'Scriba Vlnty'  
DISCONNECT BRANCH FROM BUS 136155 TO BUS 136156 CKT 2 /\* SCRIBA VOLNEY 345 345  
END

CONTINGENCY 'Oakdl Fraser'  
DISCONNECT BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 /\* OAKDL345 FARSR345 345 345  
END

CONTINGENCY 'Scriba Vlnty'  
DISCONNECT BRANCH FROM BUS 136155 TO BUS 136156 CKT 2 /\* SCRIBA VOLNEY 345 345  
END

CONTINGENCY 'Scriba Fitz'  
DISCONNECT BRANCH FROM BUS 136155 TO BUS 147830 CKT 1 /\* SCRIBA JA FITZP 345 345  
END

CONTINGENCY 'Lfyte Oakdl'  
DISCONNECT BRANCH FROM BUS 131128 TO BUS 130755 CKT 1 /\* LAPEER OAKDL345 345 345  
END

CONTINGENCY 'Oakdl Wtrcr'  
DISCONNECT BRANCH FROM BUS 130755 TO BUS 130757 CKT 1 /\* OAKDL345 WATRC345 345 345  
END

CONTINGENCY 'Roch 345/115'  
DISCONNECT BRANCH FROM BUS 149000 TO BUS 149019 CKT 1 /\* ROCH 345 S80 1TR 345 115  
END

CONTINGENCY 'Stolle Sheld'  
DISCONNECT BRANCH FROM BUS 130767 TO BUS 130770 CKT 1 / STOLE230 SHLDN230  
END

CONTINGENCY 'GEN:KINTIGH ' /  
REMOVE UNIT 1 FROM BUS 130873 /  
END /

CONTINGENCY 'Clay Edic'  
DISCONNECT BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 /\* CLAY EDIC 345 345  
END

CONTINGENCY 'Fitz Edic'  
DISCONNECT BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 /\* JA FITZP EDIC 345 345  
END

CONTINGENCY 'Volney Marcy'  
DISCONNECT BRANCH FROM BUS 136156 TO BUS 147833 CKT 1 /\* VOLNEY MARCYT1 345 345  
END

CONTINGENCY 'Edic N.Scot'  
DISCONNECT BRANCH FROM BUS 137200 TO BUS 137452 CKT 1 /\* EDIC N.SCOT77 345 345  
END

CONTINGENCY 'Marcy N.Scot'  
DISCONNECT BRANCH FROM BUS 137453 TO BUS 147833 CKT 1 /\* N.SCOT99 MARCYT1 345 345  
END

CONTINGENCY 'N.Scot Leeds'  
 DISCONNECT BRANCH FROM BUS 137451 TO BUS 137452 CKT 1 /\* LEEDS 3 N.SCOT77 345 345  
 END  
 CONTINGENCY 'Edic Fraser'  
 DISCONNECT BRANCH FROM BUS 130753 TO BUS 137200 CKT 1 /\* FRASR345 EDIC 345 345  
 END  
 CONTINGENCY 'Marcy CC'  
 DISCONNECT BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 /\* MARCY T1 COOPC345 345 345  
 END  
 CONTINGENCY 'Oakdl Fraser'  
 DISCONNECT BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 /\* OAKDL345 FARSR345 345 345  
 END  
 CONTINGENCY 'Gilboa Frsr'  
 DISCONNECT BRANCH FROM BUS 147831 TO BUS 130753 CKT 1 /\* GILB 345 FARSR345 345 345  
 END  
 CONTINGENCY 'NS 99 Gilboa'  
 DISCONNECT BRANCH FROM BUS 137453 TO BUS 147831 CKT 1 /\* N.SCOT99 GILB 345 345 345  
 END  
 CONTINGENCY 'Leeds Glboa'  
 DISCONNECT BRANCH FROM BUS 137451 TO BUS 147831 CKT 1 /\* LEEDS 3 GILB 345 345 345  
 END  
 CONTINGENCY 'Fraser CC'  
 DISCONNECT BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 /\* FRASR345 COOPC345 345 345  
 END  
 Contingency 'HQ-NY 765'  
 DISCONNECT BRANCH FROM BUS 147827 TO BUS 147828 ckt 1 / MARCY765 765 MASS 765 765 1  
 DISCONNECT BRANCH FROM BUS 147828 TO BUS 180819 ckt 1 / 147828 MASS 765 765 180819  
 CHATG-NY 765 1  
 END  
 CONTINGENCY 'CC Rck Tav'  
 DISCONNECT BRANCH FROM BUS 130750 TO BUS 125001 CKT 2 /\* COOPC345 ROCK TAV 345 345  
 END  
 CONTINGENCY 'Rstn Rck Tav'  
 DISCONNECT BRANCH FROM BUS 125002 TO BUS 125001 CKT 1 /\* ROSETON ROCK TAV 345 345  
 END  
 CONTINGENCY 'Rosetn Hurly'  
 DISCONNECT BRANCH FROM BUS 125002 TO BUS 125000 CKT 1 /\* ROSETON HURLEY 3 345 345  
 END  
 CONTINGENCY 'Rstn Fshkill'  
 DISCONNECT BRANCH FROM BUS 125002 TO BUS 126281 CKT 1 /\* ROSETON FISHKILL 345 345  
 END  
 CONTINGENCY 'Rck Tv Rmapo'  
 DISCONNECT BRANCH FROM BUS 125001 TO BUS 126297 CKT 1 /\* ROCK TAV RAMAPO 345 345  
 END  
 CONTINGENCY 'Rmpo Ldntwn'  
 DISCONNECT BRANCH FROM BUS 126297 TO BUS 126290 CKT 1 /\* RAMAPO LADENTWN 345 345  
 END  
 CONTINGENCY 'Ldntwn BuchS'  
 DISCONNECT BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 /\* LADENTWN BUCH S 345 345  
 END  
 CONTINGENCY 'Leeds Hurley'  
 DISCONNECT BRANCH FROM BUS 137451 TO BUS 125000 CKT 1 /\* LEEDS 3 HURLEY 3 345 345  
 END  
 CONTINGENCY 'Leeds PV'  
 DISCONNECT BRANCH FROM BUS 137451 TO BUS 126294 CKT 2 /\* LEEDS 3 PLTVLLEY 345 345  
 END

CONTINGENCY 'Athens PV'  
DISCONNECT BRANCH FROM BUS 137455 TO BUS 126294 CKT 1 /\* LEEDS 3 PLTVLLEY 345 345  
END  
CONTINGENCY 'PV Fishkill'  
DISCONNECT BRANCH FROM BUS 126294 TO BUS 126281 CKT 1 /\* PLTVLLEY FISHKILL 345 345  
END  
CONTINGENCY 'PV MIwd'  
DISCONNECT BRANCH FROM BUS 126294 TO BUS 126291 CKT 1 /\* PLTVLLEY MILLWOOD 345 345  
END  
CONTINGENCY 'WHav345/138'  
DISCONNECT BRANCH FROM BUS 146750 TO BUS 146775 CKT 1 / W.HAV345 345 W.HAVERS 138  
END  
CONTINGENCY 'GEN:IND PT 2'  
REMOVE UNIT 2 FROM BUS 126651  
END  
CONTINGENCY 'GEN:BOWL PT1'  
REMOVE UNIT 1 FROM BUS 146840  
END  
CONTINGENCY 'GEN:ROSETON'  
REMOVE UNIT 2 FROM BUS 125192  
END  
END

## Table K.2. N-1-1 CONTINGENCIES EVALUATED

CONTINGENCIES TESTED ON ZONES A,B,C

SINGLE BRANCH IN SUBSYSTEM DE2

CONTINGENCY 'TWR:17&11 '

TRIP BRANCH FROM BUS 136154 TO BUS 136152 CKT 1 / 17	OSWEGO 345	ELBRIDGE 345
TRIP BRANCH FROM BUS 136154 TO BUS 136156 CKT 1 / 11	OSWEGO 345	VOLNEY 345
TRIP BRANCH FROM BUS 136152 TO BUS 136153 CKT 1 / 17	ELBRIDGE 345	LAFAYETTE 345
TRIP BRANCH FROM BUS 136152 TO BUS 136191 CKT 1 / XFMR	ELBRIDGE 345	ELBRIDGE 115

END

CONTINGENCY 'TWR:68&69 '

DISCONNECT BUS 130761 / 68	HILSD230 230-AVOCA230 230-MEYER 230	
TRIP BRANCH FROM BUS 130763 TO BUS 130768 CKT 1 / 69	HILSD230 230	WATRC230 230

END

CONTINGENCY 'TWR:61&64 '

TRIP BRANCH FROM BUS 147842 TO BUS 135415 CKT 1 / 61	NIAGAR2W 230	PACKARD2 230
TRIP BRANCH FROM BUS 147841 TO BUS 130766 CKT 1 / 64	NIAGAR2E 230	ROBIN230 230

END

CONTINGENCY 'TWR:62&64 '

TRIP BRANCH FROM BUS 147842 TO BUS 135415 CKT 2 / 62	NIAGAR2W 230	PACKARD2 230
TRIP BRANCH FROM BUS 147841 TO BUS 130766 CKT 1 / 64	NIAGAR2E 230	ROBIN230 230

END

CONTINGENCY 'TWR:PA27&BP76'

TRIP BRANCH FROM BUS 147842 TO BUS 157063 CKT 1 / PA27	NIAGAR2W 230	PA27 REG 230
TRIP BRANCH FROM BUS 135415 TO BUS 157062 CKT 1 / BP76	PACKARD2 230	BP76 REG 230

END

CONTINGENCY 'TWR:62&PA27 '

TRIP BRANCH FROM BUS 147842 TO BUS 135415 CKT 2 / 62	NIAGAR2W 230	PACKARD2 230
TRIP BRANCH FROM BUS 147842 TO BUS 157063 CKT 1 / PA27	NIAGAR2W 230	PA27 REG 230

END

CONTINGENCY 'TWR:62&BP76 '

TRIP BRANCH FROM BUS 147842 TO BUS 135415 CKT 2 / 62	NIAGAR2W 230	PACKARD2 230
TRIP BRANCH FROM BUS 135415 TO BUS 157062 CKT 1 / BP76	PACKARD2 230	BP76 REG 230

END

CONTINGENCY 'TWR:73&74 '

TRIP BRANCH FROM BUS 135413 TO BUS 135250 CKT 1 / 73	GRDNVL2 230	DUNKIRK 230
TRIP BRANCH FROM BUS 135413 TO BUS 135250 CKT 2 / 74	GRDNVL2 230	DUNKIRK 230

END

CONTINGENCY 'TWR:78&79 ' / Sawyer Tap between Huntley and SUNY-79 230kV

TRIP BRANCH FROM BUS 135414 TO BUS 135303 CKT 1 / 77	HUNTLEY2 230	SAWYER77 230
TRIP BRANCH FROM BUS 135414 TO BUS 135306 CKT 1 / 79	HUNTLEY2 230	SAWYER79 230
TRIP BRANCH FROM BUS 135303 TO BUS 135415 CKT 1 / 77	SAWYER77 230	PACKARD2 230
TRIP BRANCH FROM BUS 135306 TO BUS 135418 CKT 1 / 79	SAWYER79 230	SUNY-79 230

END

CONTINGENCY 'TWR:79&80 ' / Sawyer Tap between SUNY 79 and 80 230kV

TRIP BRANCH FROM BUS 135414 TO BUS 135306 CKT 1 / 79	HUNTLEY2 230	SAWYER79 230
TRIP BRANCH FROM BUS 135414 TO BUS 135305 CKT 1 / 80	HUNTLEY2 230	SAWYER80 230
TRIP BRANCH FROM BUS 135306 TO BUS 135418 CKT 1 / 79	SAWYER79 230	SUNY-79 230
TRIP BRANCH FROM BUS 135305 TO BUS 135419 CKT 1 / 80	SAWYER80 230	SUNY-80 230

END

CONTINGENCY 'GEN:FITZPATR'

REMOVE UNIT 1 FROM BUS 147797 /		
TRIP BRANCH FROM BUS 147830 TO BUS 136155 CKT 1 / 10	JA FITZP 345	SCRIBA 345
TRIP BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 / FE1	JA FITZP 345	EDIC 345

END

CONTINGENCY 'GEN:9 MI PT1'

REMOVE UNIT 1 FROM BUS 136701 /		
TRIP BRANCH FROM BUS 136157 TO BUS 136150 CKT 1 / 8	9MI PT1 345	CLAY 345
TRIP BRANCH FROM BUS 136155 TO BUS 136157 CKT 1 / 9	SCRIBA 345	9MI PT1 345

END

CONTINGENCY 'GEN:9 MI PT2'

REMOVE UNIT 2 FROM BUS 136700 /

END

CONTINGENCY 'GEN:GINNA '

REMOVE UNIT 1 FROM BUS 149140 /

END

CONTINGENCY 'GEN:KINTIGH '

REMOVE UNIT 1 FROM BUS 130873 /

END		
CONTINGENCY 'SER:OSWEG->LAFAY'		
TRIP BRANCH FROM BUS 136152 TO BUS 136153 CKT 1 / 17	ELBRIDGE 345	LAFAYTTE 345
TRIP BRANCH FROM BUS 136152 TO BUS 136154 CKT 1 / 17	ELBRIDGE 345	OSWEGO 345
TRIP BRANCH FROM BUS 136152 TO BUS 136191 CKT 1 / XFMR	ELBRIDGE 345	ELBRIDGE 115
END		
CONTINGENCY 'SER:OAKDALE_WATRC230'		
TRIP BRANCH FROM BUS 130768 TO BUS 130772 CKT 1 / 71	WATRC230 230	SHRED230 230
TRIP BRANCH FROM BUS 130772 TO BUS 130765 CKT 1 / 71	SHRED230 230	OAKDL230 230
TRIP BRANCH FROM BUS 130765 TO BUS 130838 CKT 1 / T1	OAKDL230 230	OAKDL115 115
END		
CONTINGENCY 'SER:STOLLE345/115'		
TRIP BRANCH FROM BUS 130756 TO BUS 130857 CKT 1 / T3	STOLE345 345	STOLE115 115
TRIP BRANCH FROM BUS 130756 TO BUS 130857 CKT 2 / T4	STOLE345 345	STOLE115 115
END		
CONTINGENCY 'SER:HNTLY_GRDNVL_79'		
TRIP BRANCH FROM BUS 135414 TO BUS 135306 CKT 1 / 79	HUNTLEY2 230	SAWYER79 230
TRIP BRANCH FROM BUS 135306 TO BUS 135418 CKT 1 / 79	SAWYER79 230	SUNY-79 230
TRIP BRANCH FROM BUS 135413 TO BUS 135418 CKT 1 / 79	GRDNVL2 230	SUNY-79 230
END		
CONTINGENCY 'SER:HNTLY_GRDNVL_80'		
TRIP BRANCH FROM BUS 135414 TO BUS 135305 CKT 1 / 80	HUNTLEY2 230	SAWYER80 230
TRIP BRANCH FROM BUS 135305 TO BUS 135419 CKT 1 / 80	SAWYER80 230	SUNY-80 230
TRIP BRANCH FROM BUS 135413 TO BUS 135419 CKT 1 / 80	GRDNVL2 230	SUNY-80 230
END		
CONTINGENCY 'SER:MEYER_HILLSD_68'		
DISCONNECT BUS 130761 / 68	MEYER230 230-AVOCA230 230-HILSD230 230	
END		
CONTINGENCY 'SB:CLAY_345_R35'	/	
TRIP BRANCH FROM BUS 136156 TO BUS 136150 CKT 1 / 6	VOLNEY 345	CLAY 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 1 / T1	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R10'	/	
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 1 / 12	CLAY 345	PANNELL3 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 1 / T1	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R20'	/	
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 2 / PC2	CLAY 345	PANNELL3 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 1 / T1	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R80'	/	
TRIP BRANCH FROM BUS 136157 TO BUS 136150 CKT 1 / 8	9MI PT1 345	CLAY 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 1 / T1	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R945'		
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 1 / PC1	CLAY 345	PANNELL3 345
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 1 / 1-16	CLAY 345	EDIC 345
END		
CONTINGENCY 'SB:CLAY_345_R935'		
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 2 / PC2	CLAY 345	PANNELL3 345
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 / 2-15	CLAY 345	EDIC 345
END		
CONTINGENCY 'SB:CLAY_345_R925'		
TRIP BRANCH FROM BUS 136150 TO BUS 136151 CKT 1 / 13	CLAY 345	DEWITT 3 345
TRIP BRANCH FROM BUS 136150 TO BUS 136157 CKT 1 / 8	CLAY 345	9MI PT1 345
END		
CONTINGENCY 'SB:CLAY_345_R260'		
TRIP BRANCH FROM BUS 136150 TO BUS 136158 CKT 1 / 26	CLAY 345	INDEPNDC 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 2 / T2	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R60'	/	
TRIP BRANCH FROM BUS 136156 TO BUS 136150 CKT 1 / 6	VOLNEY 345	CLAY 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 2 / T2	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R160'	/	
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 1 / 1-16	CLAY 345	EDIC 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 2 / T2	CLAY 345	CLAY 115
END		
CONTINGENCY 'SB:CLAY_345_R150'	/	
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 / 2-15	CLAY 345	EDIC 345

TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 2 / T2 END	CLAY 345	CLAY 115
CONTINGENCY 'SB:CLAY_345_R130' /		
TRIP BRANCH FROM BUS 136150 TO BUS 136151 CKT 1 / 13	CLAY 345	DEWITT 3 345
TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 2 / T2 END	CLAY 345	CLAY 115
CONTINGENCY 'SB:COOP_345_B2-3382' /		
TRIP BRANCH FROM BUS 130750 TO BUS 130750 CKT 1 / 33	FRASR345 345	COOPC345 345
TRIP BRANCH FROM BUS 130750 TO BUS 130790 CKT 1 / T2 END	COOPC345 345	COOPC115 115
CONTINGENCY 'SB:DEWI_345_R915' /		
TRIP BRANCH FROM BUS 136150 TO BUS 136151 CKT 1 / 13	CLAY 345	DEWITT 3 345
TRIP BRANCH FROM BUS 136153 TO BUS 136151 CKT 1 / 22 END	LAFAYTTE 345	DEWITT 3 345
CONTINGENCY 'SB:DEWI_345_R220' /		
TRIP BRANCH FROM BUS 136150 TO BUS 136151 CKT 1 / 22	LAFAYTTE 345	DEWITT 3 345
TRIP BRANCH FROM BUS 136151 TO BUS 136189 CKT 1 / T2 END	DEWITT 3 345	DEWITT 1 115
CONTINGENCY 'SB:EDIC_345_R150' /	L/O BUS A & 200 MVar Cap	
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 / 2-15	CLAY 345	EDIC 345
TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / T3	EDIC 345	PORTER 1 115
DISCONNECT BUS 109 / DUMMY BUS	EDIC SW. SHUNT CAP	
END		
CONTINGENCY 'SB:EDIC_345_R160' /	L/O BUS A & 200 MVar Cap	
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 1 / 1-16	CLAY 345	EDIC 345
TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / T3	EDIC 345	PORTER 1 115
DISCONNECT BUS 109 / DUMMY BUS	EDIC SW. SHUNT CAP	
END		
CONTINGENCY 'SB:EDIC_345_R10' /	L/O BUS A & 200 MVar Cap	
TRIP BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 / FE1	JA FITZP 345	EDIC 345
TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / 22	EDIC 345	PORTER 1 115
DISCONNECT BUS 109 / DUMMY BUS	EDIC SW. SHUNT CAP	
END		
CONTINGENCY 'SB:EDIC_345_R915' /		
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 / 2-15	CLAY 345	EDIC 345
TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40 END	EDIC 345	FRASR345 345
CONTINGENCY 'SB:EDIC_345_R110' /		
TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 1 / 1-16	CLAY 345	EDIC 345
TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / T2	EDIC 345	PORTER 2 230
TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 1 / T4 END	EDIC 345	PORTER 1 115
CONTINGENCY 'SB:EDIC_345_R935' /		
TRIP BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 / FE1	JA FITZP 345	EDIC 345
TRIP BRANCH FROM BUS 137452 TO BUS 137200 CKT 1 / 14 END	N.SCOT77 345	EDIC 345
CONTINGENCY 'SB:EDIC_345_R945' /	L/O BUS A & 200 MVar Cap	
TRIP BRANCH FROM BUS 147833 TO BUS 137200 CKT 1 / UE1-7	MARCY T1 345	EDIC 345
TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / T3	EDIC 345	PORTER 1 115
DISCONNECT BUS 109 / DUMMY BUS	EDIC SW. SHUNT CAP	
END		
CONTINGENCY 'SB:FRAS_345_32-3362' /	L/O 135 MVAR CAP AT OAKDALE	
TRIP BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 / 33	FRASR345 345	COOPC345 345
TRIP BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 / 32	OAKDL345 345	FRASR345 345
DISCONNECT BUS 108 / DUMMY BUS	OAKDALE SW. SHUNT CAP	
END		
CONTINGENCY 'SB:FRAS_345_33-B262' /	L/O 140 MVAR CAP2	
TRIP BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 / 33	FRASR345 345	COOPC345 345
TRIP BRANCH FROM BUS 130753 TO BUS 130805 CKT 1 / T2	FRASR345 345	FRASR115 115
DISCONNECT BUS 107 / DUMMY BUS	FRASER SW. SHUNT CAP 2	
END		
CONTINGENCY 'SB:HILL_230_69-B412' /		
TRIP BRANCH FROM BUS 130763 TO BUS 130768 CKT 1 / 69	HILLSIDE 230	
TRIP BRANCH FROM BUS 130763 TO BUS 131193 CKT 1 / T3 END	HILLSIDE 230	HILLSIDE 115
CONTINGENCY 'SB:HILL_230_B312' /		
DISCONNECT BUS 130763 / BUS	HILLSIDE 230	
DISCONNECT BUS 131193 / T3	HILLSIDE 230	HILLSIDE 115
END		
CONTINGENCY 'SB:HILL_230_B412' /		

DISCONNECT BUS 130763 / BUS HILLSIDE 230  
DISCONNECT BUS 131230 / T4 HILLSIDE 230 HILLSIDE 115  
END  
CONTINGENCY 'SB:HILL\_230\_68-B412'  
DISCONNECT BUS 130761 / BUS AVOCA DROPS 68 LINE & 35KV XFR  
DISCONNECT BUS 131230 / T4 HILLSIDE 230 HILLSIDE 115  
END  
CONTINGENCY 'SB:HILL\_230' /  
DISCONNECT BUS 130761 / 68 HILSD230 230-AVOCA230 230-MEYER 230  
TRIP BRANCH FROM BUS 130763 TO BUS 130768 CKT 1 / 69 HILSD230 230 WATRC230 230  
TRIP BRANCH FROM BUS 130763 TO BUS 131193 CKT 1 / HILSD230 230 HILSD MI 35  
TRIP BRANCH FROM BUS 130763 TO BUS 200675 CKT 1 / 70 HILSD230 230 TOWANDA(PJM)  
END  
CONTINGENCY 'SB:MARC\_345\_3108' /  
TRIP BRANCH FROM BUS 147833 TO BUS 137200 CKT 1 / UE 1-7 MARCY T1 345 EDIC 345  
TRIP BRANCH FROM BUS 136156 TO BUS 147833 CKT 1 / 19 VOLNEY 345 MARCY T1 345  
END  
CONTINGENCY 'SB:OAKD\_345\_B3-3222' / L/O 135 MVAR CAP  
TRIP BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 / 32 OAKDL345 345 FRASR345 345  
TRIP BRANCH FROM BUS 130755 TO BUS 130839 CKT 1 / T3 OAKDL345 345 OAKDL115 115  
DISCONNECT BUS 108 / DUMMY BUS OAKDALE SW. SHUNT CAP  
END  
CONTINGENCY 'SB:OAKD\_345\_31-B322' /  
TRIP BRANCH FROM BUS 130755 TO BUS 130757 CKT 1 / 31 OAKDL345 345 WATRC345 345  
TRIP BRANCH FROM BUS 130755 TO BUS 130839 CKT 1 / T3 OAKDL345 345 OAKDL115 115  
END  
CONTINGENCY 'SB:OSWE\_345\_R925' /  
TRIP BRANCH FROM BUS 136154 TO BUS 136156 CKT 2 / 12 OSWEGO 345 VOLNEY 345  
REMOVE UNIT 6 FROM BUS 136703 / GEN OSWEGO 6  
END  
CONTINGENCY 'SB:OSWE\_345\_R935' /  
TRIP BRANCH FROM BUS 136154 TO BUS 136225 CKT 1 / T7 OSWEGO 345 OSW 3&4 115  
REMOVE UNIT 6 FROM BUS 136703 / GEN OSWEGO 6  
END  
CONTINGENCY 'SB:OSWE\_345\_R955' /  
TRIP BRANCH FROM BUS 136154 TO BUS 136156 CKT 1 / 11 OSWEGO 345 VOLNEY 345  
REMOVE UNIT 5 FROM BUS 136702 / GEN OSWEGO 5  
END  
CONTINGENCY 'SB:OSWE\_345\_R965' /  
TRIP BRANCH FROM BUS 136154 TO BUS 136225 CKT 1 / T7 OSWEGO 345 OSW 3&4 115  
REMOVE UNIT 5 FROM BUS 136702 / GEN OSWEGO 5  
END  
CONTINGENCY 'SB:OSWE\_345\_R975' /  
TRIP BRANCH FROM BUS 136152 TO BUS 136154 CKT 1 / 17 ELBRIDGE 345 OSWEGO 345  
TRIP BRANCH FROM BUS 136152 TO BUS 136153 CKT 1 / 17 ELBRIDGE 345 LAFAYTTE 345  
TRIP BRANCH FROM BUS 136152 TO BUS 136191 CKT 1 / XFR ELBRIDGE 345 E LBRIDGE 115  
END  
CONTINGENCY 'SB:OSWE\_345\_R985' /  
TRIP BRANCH FROM BUS 136152 TO BUS 136154 CKT 1 / 17 ELBRIDGE 345 OSWEGO 345  
TRIP BRANCH FROM BUS 136154 TO BUS 136225 CKT 1 / T7 OSWEGO 345 OSW 3&4 115  
TRIP BRANCH FROM BUS 136152 TO BUS 136153 CKT 1 / 17 ELBRIDGE 345 LAFAYTTE 345  
TRIP BRANCH FROM BUS 136152 TO BUS 136191 CKT 1 / XFR ELBRIDGE 345 E LBRIDGE 115  
END  
CONTINGENCY 'SB:PANN\_345\_3802' /  
TRIP BRANCH FROM BUS 149001 TO BUS 149025 CKT 1 / XFR 1 PANNELL3 345 PANNELL1 115  
TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 1 / RP1 PANNELL3 345 ROCH 345 345  
END  
CONTINGENCY 'SB:PANN\_345\_3808' /  
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 1 / PC1 CLAY 345 PANNELL3 345  
TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 1 / RP1 PANNELL3 345 ROCH 345 345  
END  
CONTINGENCY 'SB:PANN\_345\_3814' /  
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 1 / PC1 CLAY 345 PANNELL3 345  
TRIP BRANCH FROM BUS 149001 TO BUS 149025 CKT 2 / XFR 2 PANNELL3 345 PANNELL1 115  
END  
CONTINGENCY 'SB:PANN\_345\_3902' /  
TRIP BRANCH FROM BUS 149001 TO BUS 149025 CKT 1 / XFR 1 PANNELL3 345 PANNELL1 115  
TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 2 / RP2 PANNELL3 345 ROCH 345 345  
END  
CONTINGENCY 'SB:PANN\_345\_3908' /

TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 2 / PC2	CLAY 345	PANNELL3 345
TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 2 / RP2	PANNELL3 345	ROCH 345 345
END		
CONTINGENCY 'SB:PANN_345_3914'		
TRIP BRANCH FROM BUS 136150 TO BUS 149001 CKT 2 / PC2	CLAY 345	PANNELL3 345
TRIP BRANCH FROM BUS 149001 TO BUS 149025 CKT 2 / XFR 2	PANNELL3 345	PANNELL1 115
END		
CONTINGENCY 'SB:SCRI_345_R945'		
TRIP BRANCH FROM BUS 136155 TO BUS 136158 CKT 1 / 25	SCRIBA 345	INDEPNDC 234
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 2 / T2	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:SCRI_345_R90'		
TRIP BRANCH FROM BUS 136155 TO BUS 136157 CKT 1 / 9	SCRIBA 345	9MI PT1 345
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 1 / T1	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:SCRI_345_R915' /		
TRIP BRANCH FROM BUS 136155 TO BUS 136156 CKT 1 / 20	SCRIBA 345	VOLNEY 345
TRIP BRANCH FROM BUS 136157 TO BUS 136155 CKT 1 / 9	9MI PT1 345	SCRIBA 345
END		
CONTINGENCY 'SB:SCRI_345_R200'		
TRIP BRANCH FROM BUS 136155 TO BUS 136156 CKT 1 / 20	SCRIBA 345	VOLNEY 345
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 2 / T2	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:SCRI_345_R230'		
TRIP BRANCH FROM BUS 136155 TO BUS 136700 CKT 1 / 23	SCRIBA 345	9MI PT2
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 1 / T1	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:SCRI_345_R925'		
TRIP BRANCH FROM BUS 136155 TO BUS 136700 CKT 1 / 23	SCRIBA 345	9MI PT2
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 2 / T2	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:SCRI_345_R210'		
TRIP BRANCH FROM BUS 136155 TO BUS 136156 CKT 2 / 21		
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 1 / T1	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:SCRI_345_R935' /		
TRIP BRANCH FROM BUS 147830 TO BUS 136155 CKT 1 / 10	JA FITZP 345	SCRIBA 345
TRIP BRANCH FROM BUS 136155 TO BUS 136156 CKT 1 / 21	SCRIBA 345	VOLNEY 345
END		
CONTINGENCY 'SB:SCRI_345_R100'		
TRIP BRANCH FROM BUS 147830 TO BUS 136155 CKT 1 / 10	JA FITZP 345	SCRIBA 345
TRIP BRANCH FROM BUS 136155 TO BUS 136236 CKT 2 / T2	SCRIBA 345	SCRIBA 115
END		
CONTINGENCY 'SB:STOL_230_6652>6752>6552' /		
DISCONNECT BUS 130767 / BUS		STOLLE ROAD 230
END		
CONTINGENCY 'SB:STOL_345_3752'		
DISCONNECT BUS 130756		
END		
CONTINGENCY 'SB:VOLN_345_R935' /		
TRIP BRANCH FROM BUS 136154 TO BUS 136156 CKT 1 / 11	OSWEGO 345	VOLNEY 345
TRIP BRANCH FROM BUS 136156 TO BUS 136150 CKT 1 / 6	VOLNEY 345	CLAY 345
END		
CONTINGENCY 'SB:VOLN_345_R925' /		
TRIP BRANCH FROM BUS 136155 TO BUS 136156 CKT 1 / 20	SCRIBA 345	VOLNEY 345
TRIP BRANCH FROM BUS 136156 TO BUS 147833 CKT 1 / 19	VOLNEY 345	MARCY T1 345
END		
CONTINGENCY 'SB:VOLN_345_R915' /		
TRIP BRANCH FROM BUS 136154 TO BUS 136156 CKT 2 / 12	OSWEGO 345	VOLNEY 345
TRIP BRANCH FROM BUS 136155 TO BUS 136156 CKT 2 / 21	SCRIBA 345	VOLNEY 345
END		
CONTINGENCY 'SB:WATE_230_1B-6942>71-1B-42>69-7142' / L/O ENTIRE BUS		
DISCONNECT BUS 130768 / T1/69/71	WATRC230 230-WATRC345 345/HILSD230 230-WATRC230 230/WATRC230 230-	SHRED230 230
TRIP BRANCH FROM BUS 130772 TO BUS 130765 CKT 1 / 71	SHRED230 230	OAKDL230 230
END		
CONTINGENCY 'SB:WATE_345_31-B1-42>B1-3042>30-3142' / L/O ENTIRE BUS		
DISCONNECT BUS 130757 / 31/30/T1	WATRC345-OAKDALE345/HOMER CY 345-WATRC345 345/WATRC230 230-	WATRC345 345
END		

CONTINGENCY 'SB:GILB\_345\_3102' / L/O 135 MVAR CAP  
TRIP BRANCH FROM BUS 130753 TO BUS 147831 CKT 1 / GF5-35 FRASER 345 GILBOA 345  
DISCONNECT BUS 116 / DUMMY BUS GILBOA SW. SHUNT CAP  
END

CONTINGENCY 'SB:DUNK\_230\_R1402>R1502>R1452>R1552'  
TRIP BRANCH FROM BUS 135413 TO BUS 135250 CKT 2 / T3 GRDNVL2 230 DUNKIRK 230  
TRIP BRANCH FROM BUS 135250 TO BUS 135273 CKT 2 / T41 DUNKIRK 230 DUNKIRK1 115  
TRIP BRANCH FROM BUS 135250 TO BUS 135251 CKT 1 / T8 DUNKIRK 230 S.RIPLEY 230  
REMOVE UNIT 1 FROM BUS 135391 / DUNKIRK GEN #4  
END

CONTINGENCY 'SB:GARD\_230\_R735' /  
TRIP BRANCH FROM BUS 135413 TO BUS 135250 CKT 2 / T4 GRDNVL2 230 DUNKIRK 230  
TRIP BRANCH FROM BUS 135413 TO BUS 135450 CKT 2 / T3 GRDNVL2 230 GRDNVL1 115  
TRIP BRANCH FROM BUS 135413 TO BUS 135450 CKT 3 / T4 GRDNVL2 230 GRDNVL1 115  
TRIP BRANCH FROM BUS 135418 TO BUS 135413 CKT 1 / T9 SUNY79 230 GRDNVL2 230  
TRIP BRANCH FROM BUS 135413 TO BUS 135417 CKT 1 / T2 GRDNVL2 230 GRDNVL2 230  
TRIP BRANCH FROM BUS 135413 TO BUS 130762 CKT 1 / T8-12 GRDNVL2 230 GARDV230 230  
END

CONTINGENCY 'SB:GARD\_230\_R863' /  
TRIP BRANCH FROM BUS 135413 TO BUS 135250 CKT 1 / T3 GRDNVL2 230 DUNKIRK 230  
TRIP BRANCH FROM BUS 135413 TO BUS 135419 CKT 1 / 80 GRDNVL2 230 SUNY-80 230  
END

CONTINGENCY 'SB:GARD\_230\_R873' /  
TRIP BRANCH FROM BUS 135413 TO BUS 135250 CKT 1 / T3 GRDNVL2 230 DUNKIRK 230  
TRIP BRANCH FROM BUS 135413 TO BUS 135419 CKT 1 / 80 GRDNVL2 230 SUNY-80 230  
TRIP BRANCH FROM BUS 135414 TO BUS 135305 CKT 1 / 80 HUNTLEY2 230 Sawyer80 230  
TRIP BRANCH FROM BUS 135305 TO BUS 135419 CKT 1 / 80 Sawyer80 230 SUNY-80 230  
END

CONTINGENCY 'SB:GARD\_230\_R833' /  
TRIP BRANCH FROM BUS 135413 TO BUS 135450 CKT 3 / T4 GRDNVL2 230 GRDNVL1 115  
TRIP BRANCH FROM BUS 135418 TO BUS 135413 CKT 1 / T9 SUNY79 230 GRDNVL2 230  
TRIP BRANCH FROM BUS 135413 TO BUS 135417 CKT 1 / T2 GRDNVL2 230 SENCA-72 230  
TRIP BRANCH FROM BUS 135413 TO BUS 130762 CKT 1 / T8-12 GRDNVL2 230 GARDV230 230  
END

CONTINGENCY 'SB:GARD\_230\_R823' /  
TRIP BRANCH FROM BUS 135413 TO BUS 135450 CKT 3 / T4 GRDNVL2 230 GRDNVL1 115  
TRIP BRANCH FROM BUS 135418 TO BUS 135413 CKT 1 / T9 SUNY79 230 GRDNVL2 230  
TRIP BRANCH FROM BUS 135414 TO BUS 135306 CKT 1 / T9 HUNTLEY2 230 Sawyer79 230  
TRIP BRANCH FROM BUS 135306 TO BUS 135418 CKT 1 / T9 Sawyer79 230 SUNY-79 230  
TRIP BRANCH FROM BUS 135413 TO BUS 135417 CKT 1 / T2 GRDNVL2 230 SENCA-72 230  
TRIP BRANCH FROM BUS 135413 TO BUS 130762 CKT 1 / T8-12 GRDNVL2 230 GARDV230 230  
END

CONTINGENCY 'SB:HUNT\_230\_R1202' /  
TRIP BRANCH FROM BUS 135414 TO BUS 135305 CKT 1 / 80 HUNTLEY2 230 Sawyer80 230  
TRIP BRANCH FROM BUS 135305 TO BUS 135419 CKT 1 / 80 Sawyer80 230 SUNY-80 230  
TRIP BRANCH FROM BUS 135419 TO BUS 135413 CKT 1 / 80 SUNY-80 230 GRDNVL2 230  
TRIP BRANCH FROM BUS 135303 TO BUS 135414 CKT 1 / T7 Sawyer77 230 HUNTLEY2 230  
REMOVE UNIT 1 FROM BUS 135800 / HUNTLEY GEN 67  
END

CONTINGENCY 'SB:HUNT\_230\_R1302' /  
TRIP BRANCH FROM BUS 135414 TO BUS 135305 CKT 1 / 80 HUNTLEY2 230 Sawyer80 230  
TRIP BRANCH FROM BUS 135415 TO BUS 135303 CKT 1 / T7 PACKARD2 230 Sawyer77 230  
TRIP BRANCH FROM BUS 135303 TO BUS 135414 CKT 1 / T7 Sawyer77 230 HUNTLEY2 230  
REMOVE UNIT 1 FROM BUS 135800 / HUNTLEY GEN 67  
END

CONTINGENCY 'SB:HUNT\_230\_R1402' /  
TRIP BRANCH FROM BUS 135414 TO BUS 135306 CKT 1 / T9 HUNTLEY2 230 Sawyer79 230  
TRIP BRANCH FROM BUS 135306 TO BUS 135418 CKT 1 / T9 Sawyer79 230 SUNY-79 230  
TRIP BRANCH FROM BUS 135418 TO BUS 135413 CKT 1 / T9 SUNY-79 GRDNVL2 230  
TRIP BRANCH FROM BUS 135304 TO BUS 135414 CKT 2 / T8 Sawyer78 230 HUNTLEY2 230  
TRIP BRANCH FROM BUS 135414 TO BUS 135410 CKT 1 / ELM70 HUNTLEY2 230 ELM-70 230  
REMOVE UNIT 1 FROM BUS 135801 / HUNTLEY GEN 68  
END

CONTINGENCY 'SB:HUNT\_230\_R1502' /  
TRIP BRANCH FROM BUS 135414 TO BUS 135306 CKT 1 / T9 HUNTLEY2 230 Sawyer79 230  
TRIP BRANCH FROM BUS 135415 TO BUS 135304 CKT 2 / T8 PACKARD2 230 Sawyer78 230  
TRIP BRANCH FROM BUS 135304 TO BUS 135414 CKT 2 / T8 Sawyer78 230 HUNTLEY2 230  
TRIP BRANCH FROM BUS 135414 TO BUS 135410 CKT 1 / ELM70 HUNTLEY2 230 ELM-70 230  
REMOVE UNIT 1 FROM BUS 135801 / HUNTLEY GEN 68  
END

CONTINGENCY 'SB:KINT_345_B1-3812'	/		
TRIP BRANCH FROM BUS 130754 TO BUS 147834 CKT 1 / NS1-38		KINTI345 345	NIAG 345 345
TRIP BRANCH FROM BUS 130754 TO BUS 130873 CKT 1 / GEN		KINTI345 345	KINTIG24 24
TRIP BRANCH FROM BUS 130754 TO BUS 130873 CKT 2 / GEN		KINTI345 345	KINTIG24 24
REMOVE UNIT 1 FROM BUS 130873 / KINTIGH			
END			
CONTINGENCY 'SB:KINT_345_39-B112'	/		
TRIP BRANCH FROM BUS 130754 TO BUS 149000 CKT 1 / SR1-39		KINTI345 345	ROCH 345 345
TRIP BRANCH FROM BUS 130754 TO BUS 130873 CKT 1 / GEN		KINTI345 345	KINTIG24 24
TRIP BRANCH FROM BUS 130754 TO BUS 130873 CKT 2 / GEN		KINTI345 345	KINTIG24 24
REMOVE UNIT 1 FROM BUS 130873 / KINTIGH			
END			
CONTINGENCY 'SB:NIAG_345_3008'	/		
TRIP BRANCH FROM BUS 147841 TO BUS 147834 CKT 1 / T3		NIAGAR2E 230	NIAG 345 345
TRIP BRANCH FROM BUS 147834 TO BUS 157050 CKT 1 / PA301		NIAG 345 345	BECK B 345
END			
CONTINGENCY 'SB:NIAG_345_3108'	/		
TRIP BRANCH FROM BUS 149000 TO BUS 147834 CKT 1 / NR2		ROCH 345 345	NIAG 345 345
TRIP BRANCH FROM BUS 147842 TO BUS 147834 CKT 1 / T4		NIAGAR2W 230	NIAG 345 345
END			
CONTINGENCY 'SB:NIAG_345_3308'	/		
TRIP BRANCH FROM BUS 147834 TO BUS 130754 CKT 1 / NS1-38		NIAG 345 345	KINTI345 345
TRIP BRANCH FROM BUS 147841 TO BUS 147834 CKT 1 / T5		NIAGAR2E 230	NIAG 345 345
END			
CONTINGENCY 'SB:NIAW_230_2014'	/		
TRIP BRANCH FROM BUS 147850 TO BUS 147842 CKT 1 / T1		NIAG115E 115	NIAGAR2W 230
TRIP BRANCH FROM BUS 147851 TO BUS 147842 CKT 1 / T2		NIAG115W 115	NIAGAR2W 230
END			
CONTINGENCY 'SB:PACK_230_R304'	/ XFR T2 GONE ??????????????????		
TRIP BRANCH FROM BUS 135415 TO BUS 147842 CKT 2 / 62		PACKARD2 230	NIAGAR2W 230
TRIP BRANCH FROM BUS 135415 TO BUS 135303 CKT 1 / 77		PACKARD2 230	SAWYER77 230
TRIP BRANCH FROM BUS 135303 TO BUS 135414 CKT 1 / 77		SAWYER77 230	HUNTLEY2 230
TRIP BRANCH FROM BUS 135415 TO BUS 135461 CKT 2 / T4		PACKARD2 230	PACK(S)W 115
TRIP BRANCH FROM BUS 135415 TO BUS 135460 CKT 1 / T3		PACKARD2 230	PACK(N)E 115
TRIP BRANCH FROM BUS 135415 TO BUS 147842 CKT 1 / 61		PACKARD2 230	NIAGAR2W 230
TRIP BRANCH FROM BUS 135304 TO BUS 135415 CKT 2 / 78		SAWYER78 230	PACKARD2 230
END			
CONTINGENCY 'SB:PACK_230_R506'	/ XFR T2 GONE ??????????????????		
TRIP BRANCH FROM BUS 135415 TO BUS 147842 CKT 2 / 62		PACKARD2 230	NIAGAR2W 230
TRIP BRANCH FROM BUS 135415 TO BUS 135303 CKT 1 / 77		PACKARD2 230	SAWYER77 230
TRIP BRANCH FROM BUS 135303 TO BUS 135414 CKT 1 / 77		SAWYER77 230	HUNTLEY2 230
TRIP BRANCH FROM BUS 135415 TO BUS 157062 CKT 1 / BP76		PACKARD2 230	BP76 REG 230
TRIP BRANCH FROM BUS 135415 TO BUS 135461 CKT 2 / T4		PACKARD2 230	PACK(S)W 115
END			
CONTINGENCY 'SB:ROBI_230_65-6442>64-B142>B1-6542'	/ IF ANY BREAKER FAILS, L/O BUS		
TRIP BRANCH FROM BUS 147841 TO BUS 130766 CKT 1 / 64		NIAGAR2E 230	ROBIN230 230
TRIP BRANCH FROM BUS 130766 TO BUS 130767 CKT 1 / 65		ROBIN230 230	STOLE230 230
TRIP BRANCH FROM BUS 130766 TO BUS 131632 CKT 1 / T1		ROBIN230 230	ROBIN MI 35
END			
CONTINGENCY 'SB:ROCH_345_3T80-82'	/		
TRIP BRANCH FROM BUS 149000 TO BUS 149019 CKT 1 / T1		ROCH 345 345	S80 1TR 115
TRIP BRANCH FROM BUS 149000 TO BUS 149021 CKT 3 / T3		ROCH 345 345	S80 3TR 115
END			
CONTINGENCY 'SB:ROCH_345_1X8082'	/		
TRIP BRANCH FROM BUS 149000 TO BUS 149021 CKT 3 / T3		ROCH 345 345	S80 3TR 115
TRIP BRANCH FROM BUS 149000 TO BUS 149020 CKT 2 / T2		ROCH 345 345	S80 2TR 115
END			
CONTINGENCY 'SB:ROCH_345_2T8082'	/ Roch XFMR	L/O 135 MVAR CAP	
TRIP BRANCH FROM BUS 149000 TO BUS 149020 CKT 2 / T2		ROCH 345 345	S80 2TR 115
TRIP BRANCH FROM BUS 149000 TO BUS 149067 CKT 1 / T5		ROCH 345 345	S80 4TR 115
DISCONNECT BUS 119	/ DUMMY BUS ROCHESTER SW. SHUNT CAP		
END			
CONTINGENCY 'SB:ROCH_345_3402'	/		
TRIP BRANCH FROM BUS 149000 TO BUS 147834 CKT 1 / NR2		ROCH 345 345	NIAG 345 345
TRIP BRANCH FROM BUS 149000 TO BUS 149019 CKT 1 / T1		ROCH 345 345	S80 1TR 115
END			
CONTINGENCY 'SB:ROCH_345_3408'	/		
TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 2 / RP-2		PANNELL3 345	ROCH 345 345
TRIP BRANCH FROM BUS 149000 TO BUS 147834 CKT 1 / NR2		ROCH 345 345	NIAG 345 345
END			

CONTINGENCY 'SB:ROCH\_345\_3414' / Roch XFMR L/O 135 MVAR CAP  
 TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 2 / RP-2 PANNELL3 345 ROCH 345 345  
 TRIP BRANCH FROM BUS 149000 TO BUS 149067 CKT 1 / T5 ROCH 345 345 S80 4TR 115  
 DISCONNECT BUS 119 / DUMMY BUS ROCHESTER SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:ROCH\_345\_3502' /  
 TRIP BRANCH FROM BUS 130754 TO BUS 149000 CKT 1 / SR1-39 KINTI345 345 ROCH 345 345  
 TRIP BRANCH FROM BUS 149000 TO BUS 149019 CKT 1 / T1 ROCH 345 345 S80 1TR 115  
 END  
 CONTINGENCY 'SB:ROCH\_345\_3508' /  
 TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 1 / RP-1 PANNELL3 345 ROCH 345 345  
 TRIP BRANCH FROM BUS 130754 TO BUS 149000 CKT 1 / SR1-39 KINTI345 345 ROCH 345 345  
 END  
 CONTINGENCY 'SB:ROCH\_345\_3514' / Roch XFMR L/O 135 MVAR CAP  
 TRIP BRANCH FROM BUS 149001 TO BUS 149000 CKT 1 / RP-1 PANNELL3 345 ROCH 345 345  
 TRIP BRANCH FROM BUS 149000 TO BUS 149067 CKT 1 / T5 ROCH 345 345 S80 4TR 115  
 DISCONNECT BUS 119 / DUMMY BUS ROCHESTER SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:SRIPLEY\_230\_R102>R202>R302'  
 DISCONNECT BUS 135251 / S RIPLEY 230  
 END  
 CONTINGENCY 'SB:MEYE\_230\_6723\_HSHL' / \*ATBA ONLY\*  
 TRIP BRANCH FROM BUS 131122 TO BUS 130764 CKT 1 / 67 WTHRS230 MEYER230 230  
 TRIP BRANCH FROM BUS 131343 TO BUS 130764 CKT 1 / XFR MEYER M 35 MEYER230 230  
 END  
 CONTINGENCY 'SB:HIGHSHELDON\_230'  
 DISCONNECT BUS 130770 / HIGH SHELDON  
 DISCONNECT BUS 130808 / HIGH SHELDON  
 DISCONNECT BUS 130837 / HIGH SHELDON  
 DISCONNECT BUS 130841 / HIGH SHELDON  
 END  
 CONTINGENCY 'TWR:67&37' /  
 TRIP BRANCH FROM BUS 130767 TO BUS 130770 CKT 1 / 67 STOLE230 230 SHLDN230 230  
 DISCONNECT BUS 130756 / Homer City - Stolle Rd  
 END  
 CONTINGENCY 'SB:WETHERSFIELD\_230'  
 DISCONNECT BUS 131122 / WETHERSFIELD  
 DISCONNECT BUS 131123 / WETHERSFIELD  
 DISCONNECT BUS 131124 / WETHERSFIELD  
 DISCONNECT BUS 131125 / WETHERSFIELD  
 DISCONNECT BUS 131126 / WETHERSFIELD  
 END  
 CONTINGENCY 'SB:LAFAY\_345\_R915\_ITHACA' /  
 TRIP BRANCH FROM BUS 136153 TO BUS 136151 CKT 1 / 22 LAFAYTTE 345 DEWITT 3 345  
 TRIP BRANCH FROM BUS 136153 TO BUS 131157 CKT 1 / 4-36N LAFAYTTE 345 LAPEER 345  
 END  
 CONTINGENCY 'SB:OAKD\_345\_36-3122\_ITHACA' /  
 TRIP BRANCH FROM BUS 130755 TO BUS 130757 CKT 1 / 31 OAKDL345 345 WATRC345 345  
 TRIP BRANCH FROM BUS 130755 TO BUS 131157 CKT 1 / 4-36S OAKDL345 345 LAPEER 345  
 END  
 CONTINGENCY 'SB:OAKD\_345\_36-B222\_ITHACA' /  
 TRIP BRANCH FROM BUS 130755 TO BUS 131157 CKT 1 / 4-36S OAKDL345 345 LAPEER 345  
 TRIP BRANCH FROM BUS 130755 TO BUS 130840 CKT 1 / T2 OAKDL345 345 OAKDL115 115  
 END  
 CONTINGENCY 'SB:LAPER\_345\_1'  
 TRIP BRANCH FROM BUS 136153 TO BUS 131157 CKT 1 / 4-36N LAFAYTTE 345 LAPEER 345  
 TRIP BRANCH FROM BUS 131157 TO BUS 130824 CKT 1 / T1 LAPEER 345 LAPER115 115  
 END  
 CONTINGENCY 'SB:LAPER\_345\_2'  
 TRIP BRANCH FROM BUS 136153 TO BUS 131157 CKT 1 / 4-36N LAFAYTTE 345 LAPEER 345  
 TRIP BRANCH FROM BUS 131157 TO BUS 130824 CKT 2 / T2 LAPEER 345 LAPER115 115  
 END  
 CONTINGENCY 'SB:LAPER\_345\_3'  
 TRIP BRANCH FROM BUS 130755 TO BUS 131157 CKT 1 / 4-36S OAKDL345 345 LAPEER 345  
 TRIP BRANCH FROM BUS 131157 TO BUS 130824 CKT 1 / T1 LAPEER 345 LAPER115 115  
 END  
 CONTINGENCY 'SB:LAPER\_345\_4'  
 TRIP BRANCH FROM BUS 130755 TO BUS 131157 CKT 1 / 4-36S OAKDL345 345 LAPEER 345  
 TRIP BRANCH FROM BUS 131157 TO BUS 130824 CKT 2 / T2 LAPEER 345 LAPER115 115  
 END

CONTINGENCIES TESTED ON ZONES D,E,F

SINGLE BRANCH IN SUBSYSTEM TE2

CONTINGENCY 'TWR:MW1&2'

TRIP BRANCH FROM BUS 147840 TO BUS 147845 CKT 1 / MW1	MOSES W 230	WILLIS E 230
TRIP BRANCH FROM BUS 147840 TO BUS 147846 CKT 1 / MW2	MOSES W 230	WILLIS W 230

END

CONTINGENCY 'TWR:MAP1&2 '

TRIP BRANCH FROM BUS 147840 TO BUS 147835 CKT 1 / 1	MOSES W 230	ADRON B1 230
TRIP BRANCH FROM BUS 147840 TO BUS 147836 CKT 1 / 2	MOSES W 230	ADRON B2 230
TRIP BRANCH FROM BUS 137210 TO BUS 137730 CKT 1 / 30	PORTER 2 230	ROTRDM.2 230

END

CONTINGENCY 'TWR:MAP13&12' /

TRIP BRANCH FROM BUS 147835 TO BUS 137928 CKT 1 / 13	ADRON B1 230	CHASES L 230
TRIP BRANCH FROM BUS 137210 TO BUS 147836 CKT 1 / 12	PORTER 2 230	ADRON B2 230
TRIP BRANCH FROM BUS 147840 TO BUS 147836 CKT 1 / 2	MOSES W 230	ADRON B2 230

END

CONTINGENCY 'TWR:MAP11&12' /

TRIP BRANCH FROM BUS 137210 TO BUS 137928 CKT 1 / 11	PORTER 2 230	CHASES L 230
TRIP BRANCH FROM BUS 137210 TO BUS 147836 CKT 1 / 12	PORTER 2 230	ADRON B2 230

END

CONTINGENCY 'TWR:MP11&41' /

TRIP BRANCH FROM BUS 137210 TO BUS 137928 CKT 1 / 11	PORTER 2 230	CHASES L 230
TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41	MARCY T1 345	COOPC345 345

END

CONTINGENCY 'TWR:MP12&18 '

TRIP BRANCH FROM BUS 137210 TO BUS 147836 CKT 1 / 12	PORTER 2 230	ADRON B2 230
TRIP BRANCH FROM BUS 147833 TO BUS 137453 CKT 1 / UNS18	MARCY T1 345	N.SCOT99 345

END

CONTINGENCY 'TWR:34&42 '

TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT42	ROCK TAV 345	COOPC345 345
TRIP BRANCH FROM BUS 130750 TO BUS 146754 CKT 1 / CMT-34	COOPC345 345	SHOEMTAP 345
TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / MTR-34	SHOEMTAP 345	ROCK TAV 345

END

CONTINGENCY 'TWR:40&41 '

TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40	EDIC 345	FRASR345 345
TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41	MARCY T1 345	COOPC345 345

END

CONTINGENCY 'TWR:41&33 '

TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41	MARCY T1 345	COOPC345 345
TRIP BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 / 33	FRASR345 345	COOPC345 345

END

CONTINGENCY 'TWR:30&40 '

TRIP BRANCH FROM BUS 137210 TO BUS 137730 CKT 1 / 30	PORTER 2 230	ROTRDM.2 230
TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40	EDIC 345	FRASR345 345

END

CONTINGENCY 'TWR:31&41 '

TRIP BRANCH FROM BUS 137210 TO BUS 137730 CKT 2 / 31	PORTER 2 230	ROTRDM.2 230
TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41	MARCY T1 345	COOPC345 345

END

CONTINGENCY 'TWR:L33&34P '

TRIP BRANCH FROM BUS 147839 TO BUS 155073 CKT 1 / 34	MOSES E 230	STLAWL34 230
TRIP BRANCH FROM BUS 147839 TO BUS 155072 CKT 1 / 33	MOSES E 230	STLAWL33 230

END

CONTINGENCY 'TWR:MMS1&2 '

TRIP BRANCH FROM BUS 147839 TO BUS 147837 CKT 1 / MMS1	MOSES E 230	MASS230A 230
TRIP BRANCH FROM BUS 147839 TO BUS 147838 CKT 1 / MMS2	MOSES E 230	MASS230B 230

END

CONTINGENCY 'GEN:FITZPATR'

REMOVE UNIT 1 FROM BUS 147797/		
TRIP BRANCH FROM BUS 147830 TO BUS 136155 CKT 1 / 10	JA FITZP 345	SCRIBA 345
TRIP BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 / FE1	JA FITZP 345	EDIC 345

END

CONTINGENCY 'SER:393&312'

TRIP BRANCH FROM BUS 137450 TO BUS 102928 CKT 1 / 393	ALPS345 345	MANY393 345
TRIP BRANCH FROM BUS 102928 TO BUS 102924 CKT 1 /	MANY393 345	BERKSHIR 345
TRIP BRANCH FROM BUS 102924 TO BUS 102926 CKT 1 /	BERK 345 345	NRTHF345 345
TRIP BRANCH FROM BUS 102924 TO BUS 102952 CKT 1 /	BERK 345 345	BERKSHIR 115

END

CONTINGENCY 'SER:PORTER\_17&T4'

TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / 17 EDIC 345 PORTER 2 230  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / T4 EDIC 345 PORTER 1 115  
 END  
 CONTINGENCY 'SER:MASS765/230\_1'  
 TRIP BRANCH FROM BUS 147828 TO BUS 147837 CKT 1 / XFMR #1 MASS 765 765 MASS230A 230  
 TRIP BRANCH FROM BUS 147837 TO BUS 147839 CKT 1 / MMS1 MASS230A 230 MOSES E 230  
 END  
 CONTINGENCY 'SER:MASS765/230\_2'  
 TRIP BRANCH FROM BUS 147828 TO BUS 147838 CKT 1 / XFMR #2 MASS 765 765 MASS230B 230  
 TRIP BRANCH FROM BUS 147838 TO BUS 147839 CKT 1 / MMS2 MASS230B 230 MOSES E 230  
 END  
 CONTINGENCY 'SER:CMT34&MTR34' / COOP. CORNERS > SHOEMTAP > ROCK TAV  
 TRIP BRANCH FROM BUS 130750 TO BUS 146754 CKT 1 / CMT-34 COOPC345 345 SHOEMTAP 345  
 TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / MTR-34 SHOEMTAP 345 ROCK TAV 345  
 END  
 CONTINGENCY 'SER:HQ-NY 765' / SPS PA-11  
 TRIP BRANCH FROM BUS 147827 TO BUS 147828 ckt 1 / MSU-1 MARCY765 765 MASS 765 765  
 TRIP BRANCH FROM BUS 147828 TO BUS 180819 ckt 1 / MASS 765 765 CHATG-NY 765  
 DISCONNECT BUS 156 / DUMMY BUS MARCY765 SW. SHUNT 200MVAR REAC #7223  
 DISCONNECT BUS 158 / DUMMY BUS MASS 765 SW. SHUNT 200MVAR REAC #7222  
 DISCONNECT BUS 157 / DUMMY BUS MASS 765 SW. SHUNT 200MVAR REAC #7122  
 END  
 CONTINGENCY 'BUS:RTRDM 77 BUS' / L/O 75 MVAR SHUNT CAP #3  
 TRIP BRANCH FROM BUS 137210 TO BUS 137730 CKT 1 / 30 PORTER 2 230 ROTRDM.2 230  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 3 / T8 ROTRDM.2 230 ROTT 115 115  
 DISCONNECT BUS 114 / DUMMY BUS ROTTERDAM 77 SW. SHUNT CAP  
 END  
 CONTINGENCY 'BUS:RTRDM 99 BUS' / L/O 75 MVAR SHUNT CAP #4  
 TRIP BRANCH FROM BUS 137730 TO BUS 137210 CKT 2 / 31 ROTRDM.2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 2 / T7 ROTRDM.2 230 ROTT 115 115  
 TRIP BRANCH FROM BUS 137730 TO BUS 102385 CKT 1 / E205 ROTRDM.2 230 BEAR 230 230  
 DISCONNECT BUS 115 / DUMMY BUS ROTTERDAM 99 SW. SHUNT CAP  
 END  
 CONTINGENCY 'BUS:N.S.\_77'  
 DISCONNECT BUS 137452 / NEW SCOTLAND 77 BUS  
 END  
 CONTINGENCY 'BUS:N.S.\_99'  
 DISCONNECT BUS 137453 / NEW SCOTLAND 99 BUS  
 END  
 CONTINGENCY 'BUS:ALPS\_345'  
 DISCONNECT BUS 137450 / ALPS BUS  
 END  
 CONTINGENCY 'SB:ADIR\_230\_108' /  
 TRIP BRANCH FROM BUS 147836 TO BUS 137210 CKT 1 / 12 ADRON B2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 147840 TO BUS 147836 CKT 1 / 1 MOSES W 230 ADRON B2 230  
 END  
 CONTINGENCY 'SB:ADIR\_230\_114' /  
 TRIP BRANCH FROM BUS 147836 TO BUS 137210 CKT 1 / 12 ADRON B2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 147840 TO BUS 147835 CKT 1 / 2 MOSES W 230 ADRON B1 230  
 END  
 CONTINGENCY 'SB:ADIR\_230\_202' / FLATROCK  
 TRIP BRANCH FROM BUS 147835 TO BUS 137928 CKT 1 / 11 ADRON B1 230 CHASES L 230  
 TRIP BRANCH FROM BUS 147835 TO BUS 136821 CKT 1 / XFR ADRON B1 230 KB-AD115 115  
 END  
 CONTINGENCY 'SB:ADIR\_230\_214' / FLATROCK  
 TRIP BRANCH FROM BUS 147835 TO BUS 137928 CKT 1 / 11 ADRON B1 230 CHASES L 230  
 TRIP BRANCH FROM BUS 147840 TO BUS 147835 CKT 1 / 2 MOSES W 230 ADRON B1 230  
 END  
 CONTINGENCY 'SB:CLAY\_345\_R150' /  
 TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 / 2-15 CLAY 345 EDIC 345  
 TRIP BRANCH FROM BUS 136150 TO BUS 136181 CKT 2 / T2 CLAY 345 CLAY 115  
 END  
 CONTINGENCY 'SB:COOP\_345\_3382' / L/O TWO 135 MVA CAP BANKS  
 TRIP BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 / 33 FRASR345 345 COOPC345 345  
 DISCONNECT BUS 105 / DUMMY BUS COOPC345 SW. SHUNT CAPS  
 END  
 CONTINGENCY 'SB:COOP\_345\_B2-4282'  
 TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT-42 ROCK TAV 345 COOPC345 345  
 TRIP BRANCH FROM BUS 130750 TO BUS 130790 CKT 1 / T2 COOPC345 345 COOPC115 115  
 END

CONTINGENCY 'SB:COOP\_345\_42-4182'  
 TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41      MARCY T1 345      COOPC345 345  
 TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT-42      ROCK TAV 345      COOPC345 345  
 END  
 CONTINGENCY 'SB:COOP\_345\_4182' /      L/O TWO 135 MVA CAP BANKS  
 TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41      MARCY T1 345      COOPC345 345  
 DISCONNECT BUS 105      / DUMMY BUS COOPC345 SW. SHUNT CAPS  
 END  
 CONTINGENCY 'SB:COOP\_345\_B2-3482'  
 TRIP BRANCH FROM BUS 146754 TO BUS 130750 CKT 1 / CCRT-34      SHOEMTAP 345      COOPC345 345  
 TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / CCRT-34      SHOEMTAP 345      ROCK TAV 345  
 TRIP BRANCH FROM BUS 130750 TO BUS 130790 CKT 1 / T2      COOPC345 345      COOPC115 115  
 END  
 CONTINGENCY 'SB:COOP\_345\_34-B382' /      L/O TWO 135 MVA CAP BANKS  
 TRIP BRANCH FROM BUS 146754 TO BUS 130750 CKT 1 / CCRT-34      SHOEMTAP 345      COOPC345 345  
 TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / CCRT-34      SHOEMTAP 345      ROCK TAV 345  
 TRIP BRANCH FROM BUS 130750 TO BUS 130790 CKT 2 / T3      COOPC345 345      COOPC115 115  
 END  
 CONTINGENCY 'SB:COOP\_345\_B382' /      L/O TWO 135 MVA CAP BANKS  
 TRIP BRANCH FROM BUS 130750 TO BUS 130790 CKT 2 / T3      COOPC345 345      COOPC115 115  
 DISCONNECT BUS 105      / DUMMY BUS COOPC345 SW. SHUNT CAPS  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R160' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 1 / 1-16      CLAY 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / T3      EDIC 345      PORTER 1 115  
 DISCONNECT BUS 109      / DUMMY BUS EDIC SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R10' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 / FE1      JA FITZP 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / 22      EDIC 345      PORTER 1 115  
 DISCONNECT BUS 109      / DUMMY BUS EDIC SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R915' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 2 / 2-15      CLAY 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40      EDIC 345      FRASR345 345  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R110' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 136150 TO BUS 137200 CKT 1 / 1-16      CLAY 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / T2      EDIC 345      PORTER 2 230  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 1 / T4      EDIC 345      PORTER 1 115  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R935' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 147830 TO BUS 137200 CKT 1 / FE1      JA FITZP 345      EDIC 345  
 TRIP BRANCH FROM BUS 137452 TO BUS 137200 CKT 1 / 14      N.SCOT77 345      EDIC 345  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R945' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 147833 TO BUS 137200 CKT 1 / UE1-7      MARCY T1 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 2 / T3      EDIC 345      PORTER 1 115  
 DISCONNECT BUS 109      / DUMMY BUS EDIC SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R400' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40      EDIC 345      FRASR345 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / T2      EDIC 345      PORTER 2 230  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 1 / T4      EDIC 345      PORTER 1 115  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R140' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 137452 TO BUS 137200 CKT 1 / 14      N.SCOT77 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / T2      EDIC 345      PORTER 2 230  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 1 / T4      EDIC 345      PORTER 1 115  
 END  
 CONTINGENCY 'SB:EDIC\_345\_R70' /      L/O BUS A & 200 MVar Cap  
 TRIP BRANCH FROM BUS 147833 TO BUS 137200 CKT 1 / UE1-7      MARCY T1 345      EDIC 345  
 TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / T2      EDIC 345      PORTER 2 230  
 TRIP BRANCH FROM BUS 137200 TO BUS 137235 CKT 1 / T4      EDIC 345      PORTER 1 115  
 END  
 CONTINGENCY 'SB:FLTR\_230\_1>2>3' /      ADIRONDACK-CHASES-PORTER 230  
 DISCONNECT BUS 137928 / 13/11  
 DISCONNECT BUS 137927 /  
 DISCONNECT BUS 137926 /  
 DISCONNECT BUS 137925 /

DISCONNECT BUS 137924 /  
DISCONNECT BUS 137923 /  
DISCONNECT BUS 137922 /  
DISCONNECT BUS 137921 /  
END  
CONTINGENCY 'SB:FRAS\_345\_B1-3262' / L/O 140 MVAR CAP1 & 135 MVAR CAP AT OAKDALE  
TRIP BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 / 32 OAKDL345 345 FRASR345 345  
DISCONNECT BUS 106 / DUMMY BUS FRASER SW. SHUNT CAP 1  
DISCONNECT BUS 108 / DUMMY BUS OAKDALE SW. SHUNT CAP  
END  
CONTINGENCY 'SB:FRAS\_345\_32-3362' / L/O 135 MVAR CAP AT OAKDALE  
TRIP BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 / 33 FRASR345 345 COOPC345 345  
TRIP BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 / 32 OAKDL345 345 FRASR345 345  
DISCONNECT BUS 108 / DUMMY BUS OAKDALE SW. SHUNT CAP  
END  
CONTINGENCY 'SB:FRAS\_345\_33-B262' / L/O 140 MVAR CAP2  
TRIP BRANCH FROM BUS 130753 TO BUS 130750 CKT 1 / 33 FRASR345 345 COOPC345 345  
TRIP BRANCH FROM BUS 130753 TO BUS 130805 CKT 1 / T2 FRASR345 345 FRASR115 115  
DISCONNECT BUS 107 / DUMMY BUS FRASER SW. SHUNT CAP 2  
END  
CONTINGENCY 'SB:FRAS\_345\_B1-62' / L/O 140 MVAR CAP1  
DISCONNECT BUS 130752 / SVC FRASER SVC  
DISCONNECT BUS 106 / DUMMY BUS FRASER SW. SHUNT CAP 1  
END  
CONTINGENCY 'SB:FRAS\_345\_B1-3562'  
TRIP BRANCH FROM BUS 130753 TO BUS 147831 CKT 1 / GF5-35 FRASER 345 GILBOA 345  
DISCONNECT BUS 130752 / SVC FRASER SVC  
END  
CONTINGENCY 'SB:FRAS\_345\_35-B262' / L/O 140 MVAR CAP2  
TRIP BRANCH FROM BUS 130753 TO BUS 147831 CKT 1 / GF5-35 FRASER 345 GILBOA 345  
TRIP BRANCH FROM BUS 130753 TO BUS 130805 CKT 1 / T2 FRASR345 345 FRASR115 115  
DISCONNECT BUS 107 / DUMMY BUS FRASER SW. SHUNT CAP 2  
END  
CONTINGENCY 'SB:FRAS\_345\_B1-4062' / L/O 140 MVAR CAP1  
TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40 EDIC 345 FRASR345 345  
DISCONNECT BUS 106 / DUMMY BUS FRASER SW. SHUNT CAP 1  
END  
CONTINGENCY 'SB:FRAS\_345\_40-B262' / L/O 140 MVAR CAP2  
TRIP BRANCH FROM BUS 137200 TO BUS 130753 CKT 1 / EF24-40 EDIC 345 FRASR345 345  
TRIP BRANCH FROM BUS 130753 TO BUS 130805 CKT 1 / T2 FRASR345 345 FRASR115 115  
DISCONNECT BUS 107 / DUMMY BUS FRASER SW. SHUNT CAP 2  
END  
CONTINGENCY 'SB:HURL\_345\_30353' /  
TRIP BRANCH FROM BUS 125000 TO BUS 137451 CKT 1 / 301 HURLEY 3 345 LEEDS 3 345  
TRIP BRANCH FROM BUS 125002 TO BUS 125000 CKT 1 / 303 ROSETON 345 HURLEY 3 345  
TRIP BRANCH FROM BUS 125000 TO BUS 125030 CKT 1 / T1 HURLEY 3 345 HURLEY 1 1 15  
END  
CONTINGENCY 'SB:LEED\_345\_R9293' /  
TRIP BRANCH FROM BUS 137451 TO BUS 126294 CKT 2 / 92 LEEDS 3 345 PLTVLLEY 345  
TRIP BRANCH FROM BUS 137452 TO BUS 137451 CKT 1 / 93 N.SCOT77 345 LEEDS 3 345  
END  
CONTINGENCY 'SB:LEED\_345\_R81' / L/O 135 MVAR CAP 1  
REMOVE UNIT 1 FROM BUS 137451 / SVC LEEDS 3 345  
DISCONNECT BUS 110 / DUMMY BUS LEEDS SW. SHUNT CAP 1  
END  
CONTINGENCY 'SB:LEED\_345\_R82' / L/O 135 MVAR CAP 2  
REMOVE UNIT 1 FROM BUS 137451 / SVC LEEDS 3 345  
DISCONNECT BUS 111 / DUMMY BUS LEEDS SW. SHUNT CAP 2  
END  
CONTINGENCY 'SB:LEED\_345\_R3' / L/O 135 MVAR CAP 1  
TRIP BRANCH FROM BUS 137451 TO BUS 147831 CKT 1 / GL-3 LEEDS 3 345 GILB 345 345  
DISCONNECT BUS 110 / DUMMY BUS LEEDS SW. SHUNT CAP 1  
END  
CONTINGENCY 'SB:LEED\_345\_R395' /  
TRIP BRANCH FROM BUS 137451 TO BUS 137455 CKT 1 / 95 LEEDS 3 345 ATHENS 345  
TRIP BRANCH FROM BUS 137451 TO BUS 147831 CKT 1 / GL-3 LEEDS 3 345 GILB 345 345  
END  
CONTINGENCY 'SB:LEED\_345\_R95' / L/O 135 MVAR CAP 2  
TRIP BRANCH FROM BUS 137451 TO BUS 137455 CKT 1 / 95 LEEDS 3 345 ATHENS 345  
DISCONNECT BUS 111 / DUMMY BUS LEEDS SW. SHUNT CAP 2

END  
 CONTINGENCY 'SB:LEED\_345\_R94' / L/O 135 MVAR CAP 1  
 TRIP BRANCH FROM BUS 137453 TO BUS 137451 CKT 2 / 94 N.SCOT99 345 LEEDS 3 345  
 DISCONNECT BUS 110 / DUMMY BUS LEEDS SW. SHUNT CAP 1  
 END  
 CONTINGENCY 'SB:LEED\_345\_R94301' /  
 TRIP BRANCH FROM BUS 125000 TO BUS 137451 CKT 1 / 301 HURLEY 3 345 LEEDS 3 345  
 TRIP BRANCH FROM BUS 137453 TO BUS 137451 CKT 2 / 94 N.SCOT99 345 LEEDS 3 345  
 END  
 CONTINGENCY 'SB:LEED\_345\_R301' / L/O 135 MVAR CAP 2  
 TRIP BRANCH FROM BUS 125000 TO BUS 137451 CKT 1 / 301 HURLEY 3 345 LEEDS 3 345  
 DISCONNECT BUS 111 / DUMMY BUS LEEDS SW. SHUNT CAP 2  
 END  
 CONTINGENCY 'SB:LEED\_345\_?1' / ??For CB maintenance??  
 TRIP BRANCH FROM BUS 137451 TO BUS 126294 CKT 2 / 92 LEEDS 3 345 PLTVLLEY 345  
 TRIP BRANCH FROM BUS 137451 TO BUS 147831 CKT 1 / GL-3 LEEDS 3 345 GILB 345 345  
 END  
 CONTINGENCY 'SB:LEED\_345\_?2' / ??For CB maintenance??  
 TRIP BRANCH FROM BUS 137451 TO BUS 137455 CKT 1 / 91 LEEDS 3 345 ATHENS 345  
 TRIP BRANCH FROM BUS 137452 TO BUS 137451 CKT 1 / 93 N.SCOT77 345 LEEDS 3 345  
 END  
 CONTINGENCY 'SB:LEED\_345\_?3' / ??For CB maintenance??  
 TRIP BRANCH FROM BUS 125000 TO BUS 137451 CKT 1 / 301 HURLEY 3 345 LEEDS 3 345  
 TRIP BRANCH FROM BUS 137452 TO BUS 137451 CKT 1 / 93 N.SCOT77 345 LEEDS 3 345  
 END  
 CONTINGENCY 'SB:MARC\_345\_3002' / L/O 200 MVAR CAP #1  
 DISCONNECT BUS 117 / DUMMY BUS MARCY 345 SW. SHUNT CAP #1  
 END  
 CONTINGENCY 'SB:MARC\_345\_3014' / L/O 200 MVAR CAP #2  
 DISCONNECT BUS 118 / DUMMY BUS MARCY 345 SW. SHUNT CAP #2  
 END  
 CONTINGENCY 'SB:MARC\_345\_3102' / L/O 200 MVAR CAP #1  
 TRIP BRANCH FROM BUS 136156 TO BUS 147833 CKT 1 / 19 VOLNEY 345 MARCY T1 345  
 DISCONNECT BUS 117 / DUMMY BUS MARCY 345 SW. SHUNT CAP #1  
 END  
 CONTINGENCY 'SB:MARC\_345\_3108' /  
 TRIP BRANCH FROM BUS 147833 TO BUS 137200 CKT 1 / UE 1-7 MARCY T1 345 EDIC 345  
 TRIP BRANCH FROM BUS 136156 TO BUS 147833 CKT 1 / 19 VOLNEY 345 MARCY T1 345  
 END  
 CONTINGENCY 'SB:MARC\_345\_3114' / L/O 200 MVAR CAP #2  
 TRIP BRANCH FROM BUS 147833 TO BUS 137200 CKT 1 / UE 1-7 MARCY T1 345 EDIC 345  
 DISCONNECT BUS 118 / DUMMY BUS MARCY 345 SW. SHUNT CAP #2  
 END  
 CONTINGENCY 'SB:MARC\_345\_3202' / L/O 200 MVAR CAP #1  
 TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41 MARCY T1 345 COOPC345 345  
 DISCONNECT BUS 117 / DUMMY BUS MARCY 345 SW. SHUNT CAP #1  
 END  
 CONTINGENCY 'SB:MARC\_345\_3208' /  
 TRIP BRANCH FROM BUS 147827 TO BUS 147833 CKT 1 / T1 MARCY765 765 MARCY T1 345  
 TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41 MARCY T1 345 COOPC345 345  
 END  
 CONTINGENCY 'SB:MARC\_345\_3214' / L/O 200 MVAR CAP #2  
 TRIP BRANCH FROM BUS 147827 TO BUS 147833 CKT 1 / T1 MARCY765 765 MARCY T1 345  
 DISCONNECT BUS 118 / DUMMY BUS MARCY 345 SW. SHUNT CAP #2  
 END  
 CONTINGENCY 'SB:MARC\_345\_3302' / L/O 200 MVAR CAP #1  
 TRIP BRANCH FROM BUS 147827 TO BUS 147833 CKT 2 / T2 MARCY765 765 MARCY T1 345  
 DISCONNECT BUS 117 / DUMMY BUS MARCY 345 SW. SHUNT CAP #1  
 END  
 CONTINGENCY 'SB:MARC\_345\_3308' /  
 TRIP BRANCH FROM BUS 147827 TO BUS 147833 CKT 2 / T2 MARCY765 765 MARCY T1 345  
 TRIP BRANCH FROM BUS 137453 TO BUS 147833 CKT 1 / UNS18 N.SCOT99 345 MARCY T1 345  
 END  
 CONTINGENCY 'SB:MARC\_345\_3314' / L/O 200 MVAR CAP #2  
 TRIP BRANCH FROM BUS 137453 TO BUS 147833 CKT 1 / UNS18 N.SCOT99 345 MARCY T1 345  
 DISCONNECT BUS 118 / DUMMY BUS MARCY 345 SW. SHUNT CAP #2  
 END  
 CONTINGENCY 'SB:MOSE\_230\_2408' /  
 TRIP BRANCH FROM BUS 147840 TO BUS 147836 CKT 1 / 2 MOSES W 230 ADRON B2 230  
 TRIP BRANCH FROM BUS 147840 TO BUS 147845 CKT 1 / MW1 MOSES W 230 WILLIS E 230

END  
 CONTINGENCY 'SB:MOSE\_230\_2608' /  
 TRIP BRANCH FROM BUS 147840 TO BUS 147835 CKT 1 / 1 MOSES W 230 ADRON B1 230  
 TRIP BRANCH FROM BUS 147840 TO BUS 147846 CKT 1 / MW2 MOSES W 230 WILLIS W 230  
 END  
 CONTINGENCY 'SB:MOSE\_230\_2108' /  
 TRIP BRANCH FROM BUS 147838 TO BUS 147828 CKT 1 / MMS2 XFR MASS230B 230 MASS 765 765  
 TRIP BRANCH FROM BUS 147840 TO BUS 147849 CKT 4 / AT4 MOSES W 230 MOS 115 115  
 END  
 CONTINGENCY 'SB:NSCT\_345\_R1>R18>R94>R61'  
 DISCONNECT BUS 137453 / BUS NEW SCOTLAND 99  
 END  
 CONTINGENCY 'SB:NSCT\_345\_R2>R14>R62>R93'  
 DISCONNECT BUS 137452 / BUS NEW SCOTLAND 77  
 END  
 CONTINGENCY 'SB:OAKD\_345\_32-B222' / L/O 135 MVAR CAP  
 TRIP BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 / 32 OAKDL345 345 FRASR345 345  
 TRIP BRANCH FROM BUS 130755 TO BUS 130840 CKT 1 / T2 OAKDL345 345 OAKDL115 115  
 DISCONNECT BUS 108 / DUMMY BUS OAKDALE SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:OAKD\_345\_B3-3222' / L/O 135 MVAR CAP  
 TRIP BRANCH FROM BUS 130755 TO BUS 130753 CKT 1 / 32 OAKDL345 345 FRASR345 345  
 TRIP BRANCH FROM BUS 130755 TO BUS 130839 CKT 1 / T3 OAKDL345 345 OAKDL115 115  
 DISCONNECT BUS 108 / DUMMY BUS OAKDALE SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:PORT\_230\_R845' / Flatrock  
 TRIP BRANCH FROM BUS 137200 TO BUS 137210 CKT 1 / 17 EDIC 345 PORTER 2 230  
 TRIP BRANCH FROM BUS 137928 TO BUS 137210 CKT 1 / 10 CHASES L 230 PORTER 2 230  
 END  
 CONTINGENCY 'SB:PORT\_230\_R835' /  
 TRIP BRANCH FROM BUS 147836 TO BUS 137210 CKT 1 / 12 ADRON B2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 137210 TO BUS 137235 CKT 2 / XFR 2 PORTER 2 230 PORTER 1 115  
 END  
 CONTINGENCY 'SB:PORT\_230\_R825' /  
 TRIP BRANCH FROM BUS 137730 TO BUS 137210 CKT 2 / 31 ROTRDM.2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 137210 TO BUS 137235 CKT 2 / XFR 1 PORTER 2 230 PORTER 1 115  
 END  
 CONTINGENCY 'SB:ROCK\_345\_31153' /  
 TRIP BRANCH FROM BUS 125001 TO BUS 146754 CKT 1 / CCRT-34 ROCK TAV 345 SHOEMTAP 345  
 TRIP BRANCH FROM BUS 146754 TO BUS 130750 CKT 1 / CCRT-34 SHOEMTAP 345 COOPC345 345  
 TRIP BRANCH FROM BUS 125002 TO BUS 125001 CKT 1 / 311 ROSETON 345 ROCK TAV 345  
 END  
 CONTINGENCY 'SB:ROCK\_345\_4255' L/O TWO 135 MVAR CAPS  
 TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT-42 ROCK TAV 345 COOPC345 345  
 TRIP BRANCH FROM BUS 125001 TO BUS 125046 CKT 3 / XFR ROCK TAV 345 ROCK TV1 115  
 DISCONNECT BUS 101 / DUMMY BUS ROCK TAV SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:ROTT\_230\_R31>R67>RE205>R24' / L/O 99 BUS & 75 MVAR  
 TRIP BRANCH FROM BUS 137730 TO BUS 137210 CKT 2 / 31 ROTRDM.2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 2 / T7 ROTRDM.2 230 ROTT 115 115  
 TRIP BRANCH FROM BUS 137730 TO BUS 102385 CKT 1 / E205 ROTRDM.2 230 BEAR 230 230  
 DISCONNECT BUS 115 / DUMMY BUS ROTTERDAM 99 SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:ROTT\_230\_R30>R68>R23' / L/O 77 BUS & 75 MVAR  
 TRIP BRANCH FROM BUS 137210 TO BUS 137730 CKT 1 / 30 PORTER 2 230 ROTRDM.2 230  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 3 / T8 ROTRDM.2 230 ROTT 115 115  
 DISCONNECT BUS 114 / DUMMY BUS ROTTERDAM 77 SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:ROTT\_230\_R83' / L/O 99 BUS & 75 MVAR  
 TRIP BRANCH FROM BUS 137730 TO BUS 137210 CKT 2 / 31 ROTRDM.2 230 PORTER 2 230  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 1 / T6 ROTRDM.2 230 ROTT 115 115  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 2 / T7 ROTRDM.2 230 ROTT 115 115  
 TRIP BRANCH FROM BUS 137730 TO BUS 102385 CKT 1 / E205 ROTRDM.2 230 BEAR 230 230  
 DISCONNECT BUS 115 / DUMMY BUS ROTTERDAM 99 SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:ROTT\_230\_R84' / L/O 77 BUS & 75 MVAR  
 TRIP BRANCH FROM BUS 137210 TO BUS 137730 CKT 1 / 30 PORTER 2 230 ROTRDM.2 230  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 1 / T6 ROTRDM.2 230 ROTT 115 115  
 TRIP BRANCH FROM BUS 137730 TO BUS 137532 CKT 3 / T8 ROTRDM.2 230 ROTT 115 115  
 DISCONNECT BUS 114 / DUMMY BUS ROTTERDAM 77 SW. SHUNT CAP

END  
 CONTINGENCY 'SB:GILB\_345\_3202' / L/O 135 MVAR CAP  
 TRIP BRANCH FROM BUS 147777 TO BUS 147831 CKT 1 / GEN #1 GILBOA 1 17 GILB 345 345  
 TRIP BRANCH FROM BUS 147778 TO BUS 147831 CKT 2 / GEN #2 GILBOA 2 17 GILB 345 345  
 REMOVE UNIT 1 FROM BUS 147777 / GILBOA GEN #1  
 REMOVE UNIT 2 FROM BUS 147778 / GILBOA GEN #2  
 DISCONNECT BUS 116 / DUMMY BUS GILBOA SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:GILB\_345\_3208' /  
 TRIP BRANCH FROM BUS 137451 TO BUS 147831 CKT 1 / GL3-3 LEEDS 3 345 GILB 345 345  
 TRIP BRANCH FROM BUS 147777 TO BUS 147831 CKT 1 / GEN #1 GILBOA 1 17 GILB 345 345  
 TRIP BRANCH FROM BUS 147778 TO BUS 147831 CKT 2 / GEN #2 GILBOA 2 17 GILB 345 345  
 REMOVE UNIT 1 FROM BUS 147777 / GILBOA GEN #1  
 REMOVE UNIT 2 FROM BUS 147778 / GILBOA GEN #2  
 END  
 CONTINGENCY 'SB:GILB\_345\_3302' / L/O 135 MVAR CAP  
 TRIP BRANCH FROM BUS 147779 TO BUS 147831 CKT 3 / GEN #3 GILBOA 3 17 GILB 345 345  
 TRIP BRANCH FROM BUS 147780 TO BUS 147831 CKT 4 / GEN #4 GILBOA 4 17 GILB 345 345  
 REMOVE UNIT 3 FROM BUS 147779 / GILBOA GEN #3  
 REMOVE UNIT 4 FROM BUS 147780 / GILBOA GEN #4  
 DISCONNECT BUS 116 / DUMMY BUS GILBOA SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:GILB\_345\_3308' /  
 TRIP BRANCH FROM BUS 137453 TO BUS 147831 CKT 1 / GNS-1 N.SCOT99 345 GILB 345 345  
 TRIP BRANCH FROM BUS 147779 TO BUS 147831 CKT 3 / GEN #3 GILBOA 3 17 GILB 345 345  
 TRIP BRANCH FROM BUS 147780 TO BUS 147831 CKT 4 / GEN #4 GILBOA 4 17 GILB 345 345  
 REMOVE UNIT 3 FROM BUS 147779 / GILBOA GEN #3  
 REMOVE UNIT 4 FROM BUS 147780 / GILBOA GEN #4  
 END  
 CONTINGENCY 'SB:MASS\_765\_7102' /  
 TRIP BRANCH FROM BUS 180819 TO BUS 147828 CKT 1 / 7040 CHATEAUG 765 MASS 765 765  
 DISCONNECT BUS 157 / DUMMY BUS MASS 765 SW. SHUNT 200MVAR REAC #7122  
 END  
 CONTINGENCY 'SB:MASS\_765\_7108' /  
 TRIP BRANCH FROM BUS 147838 TO BUS 147828 CKT 1 / MMS2 MASS230B 230 MASS 765 765  
 TRIP BRANCH FROM BUS 180819 TO BUS 147828 CKT 1 / 7040 CHATEAUG 765 MASS 765 765  
 DISCONNECT BUS 157 / DUMMY BUS MASS 765 SW. SHUNT 200MVAR REAC #7122  
 END  
 CONTINGENCY 'SIN:160' /160  
 TRIP BRANCH FROM BUS 137200 TO BUS 137452 CKT 1 / EDIC-Porter - NS77  
 TRIP BRANCH FROM BUS 137228 TO BUS 137886 CKT 1 / Inghams C - PAR2 (R81 tie)  
 TRIP BRANCH FROM BUS 137235 TO BUS 137246 CKT 1 / Porter - Valley  
 END  
 CONTINGENCY 'SIN:170' /170  
 TRIP BRANCH FROM BUS 147833 TO BUS 137453 CKT 1 / Marcy - NS99  
 TRIP BRANCH FROM BUS 137228 TO BUS 137886 CKT 1 / Inghams C - PAR2  
 TRIP BRANCH FROM BUS 137235 TO BUS 137246 CKT 1 / Porter - Valley  
 END  
 CONTINGENCY 'SIN:180' /180  
 TRIP BRANCH FROM BUS 147833 TO BUS 137453 CKT 1 / Marcy - NS99  
 TRIP BRANCH FROM BUS 137228 TO BUS 137886 CKT 1 / Inghams C - PAR2  
 TRIP BRANCH FROM BUS 137235 TO BUS 147905 CKT 1 / Porter - Watkins Rd (Ilion)  
 END  
 CONTINGENCY 'SIN:220' /220  
 TRIP BRANCH FROM BUS 137235 TO BUS 137246 CKT 1 / Porter - Valley  
 TRIP BRANCH FROM BUS 137228 TO BUS 137886 CKT 1 / Inghams C - PAR2  
 END  
 CONTINGENCY 'TWR:PND1&WRY2' / lines share approx 0.178 miles.  
 TRIP BRANCH FROM BUS 147980 TO BUS 147859 CKT 1 / PND1 PATNODE 230 DULEY 230  
 TRIP BRANCH FROM BUS 147846 TO BUS 147970 CKT 1 / WRY2 WILLIS W 230 RYAN 230  
 END  
 CONTINGENCY 'TWR:PND1&RYP2'  
 TRIP BRANCH FROM BUS 147980 TO BUS 147859 CKT 1 / PND1 PATNODE 230 DULEY 230  
 TRIP BRANCH FROM BUS 147970 TO BUS 147844 CKT 1 / RYP2 RYAN 230 PLAT T#4 230  
 TRIP BRANCH FROM BUS 147844 TO BUS 147922 CKT 1 / T4 PLAT T#4 230 PLAT 115 115  
 END  
 CONTINGENCY 'TWR:DP1&RYP2'  
 TRIP BRANCH FROM BUS 147859 TO BUS 147843 CKT 1 / DP1 DULEY 230 PLAT T#1 230  
 TRIP BRANCH FROM BUS 147843 TO BUS 147922 CKT 1 / T1 PLAT T#1 230 PLAT 115 115  
 TRIP BRANCH FROM BUS 147970 TO BUS 147844 CKT 1 / RYP2 RYAN 230 PLAT T#4 230



DISCONNECT BUS 147969 / CLINTON  
DISCONNECT BUS 147955 / CLINTON II  
END  
CONTINGENCY 'SB:RYAN\_230\_CHAT' / Chateaugay Wind project (Q#214)  
DISCONNECT BUS 147967 / CLINTON  
DISCONNECT BUS 147968 / CLINTON  
DISCONNECT BUS 147969 / CLINTON  
DISCONNECT BUS 147955 / CLINTON II  
DISCONNECT BUS 147853 / CHATEAUGAY  
DISCONNECT BUS 147854 / CHATEAUGAY  
DISCONNECT BUS 147855 / CHATEAUGAY  
END  
CONTINGENCY 'SB:RYAN\_230\_2108\_NO-CHAT' / for case without Chateaugay Wind project (ATBA)  
TRIP BRANCH FROM BUS 147846 TO BUS 147970 CKT 1 / WRY2 WILLIS W 230 RYAN 230  
DISCONNECT BUS 147967 / CLINTON  
DISCONNECT BUS 147968 / CLINTON  
DISCONNECT BUS 147969 / CLINTON  
DISCONNECT BUS 147955 / CLINTON II  
DISCONNECT BUS 147853 / CHATEAUGAY  
DISCONNECT BUS 147854 / CHATEAUGAY  
DISCONNECT BUS 147855 / CHATEAUGAY  
END  
CONTINGENCY 'SB:RYAN\_230\_2108\_CHAT' / Chateaugay Wind project (Q#214)  
TRIP BRANCH FROM BUS 147846 TO BUS 147970 CKT 1 / WRY2 WILLIS W 230 RYAN 230  
DISCONNECT BUS 147853 / CHATEAUGAY  
DISCONNECT BUS 147854 / CHATEAUGAY  
DISCONNECT BUS 147855 / CHATEAUGAY  
END

CONTINGENCIES TESTED ON ZONES G,H,I

SINGLE BRANCH IN SUBSYSTEM UC2

CONTINGENCY 'TWR:F30&F31 '  
TRIP BRANCH FROM BUS 126294 TO BUS 126291 CKT 1 / F31,W81 PLTVLLEY 345 MILLWOOD 345  
TRIP BRANCH FROM BUS 126294 TO BUS 126306 CKT 1 / F30 PLTVLLEY 345 WOOD B 345  
TRIP BRANCH FROM BUS 126306 TO BUS 126291 CKT 1 / W80 WOOD B 345 MILLWOOD 345  
TRIP BRANCH FROM BUS 126306 TO BUS 130759 CKT 1 / ZILW1 WOOD B 345 WOODB345 345  
TRIP BRANCH FROM BUS 130759 TO BUS 130865 CKT 1 / TRW1 WOOD B 345 WOODB115 115  
END  
CONTINGENCY 'TWR:F36&F37 '  
TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 1 / F36 PLTVLLEY 345 FISHKILL 345  
TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 2 / F37 PLTVLLEY 345 FISHKILL 345  
END  
CONTINGENCY 'TWR:F38&F39 '  
TRIP BRANCH FROM BUS 126281 TO BUS 126292 CKT 1 / F38,Y86 FISHKILL 345 PL VILLE 345  
TRIP BRANCH FROM BUS 126292 TO BUS 126733 CKT 1 / XFMR 1 PL VILLE 345 PL VILL 13  
DISCONNECT BUS 126292 / BUS PL VILLE 345 (20 MVAR REACTOR)  
TRIP BRANCH FROM BUS 126281 TO BUS 126305 CKT 1 / F39 FISHKILL 345 WOOD A 345  
TRIP BRANCH FROM BUS 126305 TO BUS 126293 CKT 1 / Y87 WOOD A 345 PL VILLW 345  
TRIP BRANCH FROM BUS 126305 TO BUS 130758 CKT 1 / ZILW2 WOOD A 345 WOODA345 345  
TRIP BRANCH FROM BUS 130758 TO BUS 130865 CKT 1 / TRW2 WOODA345 345 WOODA115 115  
END  
CONTINGENCY 'TWR:W72&Y94 '  
TRIP BRANCH FROM BUS 126297 TO BUS 126290 CKT 1 / W72 RAMAPO 345 LADENTWN 345  
TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94 RAMAPO 345 BUCH N 345  
TRIP BRANCH FROM BUS 126360 TO BUS 126262 CKT 1 / TA5 BUCHNTA5 138 BUCH N 345  
END  
CONTINGENCY 'TWR:Y88&Y94 '  
TRIP BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 / Y88 LADENTWN 345 BUCH S 345  
TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94 RAMAPO 345 BUCH N 345  
TRIP BRANCH FROM BUS 126360 TO BUS 126262 CKT 1 / TA5 BUCHNTA5 138 BUCH N 345  
END  
CONTINGENCY 'TWR:W82&W85 '  
TRIP BRANCH FROM BUS 126291 TO BUS 126268 CKT 1 / W85 MILLWOOD 345 E VIEW2 345  
TRIP BRANCH FROM BUS 126298 TO BUS 126268 CKT 1 / W78 SPRBROOK 345 E VIEW2 345  
TRIP BRANCH FROM BUS 126378 TO BUS 126268 CKT 1 / 1S EASTVIEW 138 E VIEW2 345  
TRIP BRANCH FROM BUS 126291 TO BUS 126270 CKT 1 / W82 MILLWOOD 345 E VIEW4 345  
TRIP BRANCH FROM BUS 126298 TO BUS 126270 CKT 1 / W65 SPRBROOK 345 E VIEW4 345  
TRIP BRANCH FROM BUS 126378 TO BUS 126270 CKT 1 / 2S EASTVIEW 138 E VIEW4 345  
END

CONTINGENCY 'TWR:W89&W90 '	/		
TRIP BRANCH FROM BUS 126266 TO BUS 126292 CKT 1 / W89		DUNWODIE 345	PL VILLE 345
TRIP BRANCH FROM BUS 126266 TO BUS 126293 CKT 1 / W90		DUNWODIE 345	PL VILLW 345
TRIP BRANCH FROM BUS 126293 TO BUS 126733 CKT 1 / XFMR 2		PL VILLW 345	PLTVILLE 13
DISCONNECT BUS 126293	/ BUS		PL VILLW 345 (20 MVAR REACTOR)
DISCONNECT BUS 126342	/ W74		DUNWODIE 345 DUN NO 138
DISCONNECT BUS 126343	/ W73		DUNWODIE 345 DUN SO 138
TRIP BRANCH FROM BUS 126266 TO BUS 128835 CKT 1 / Y50		DUNWODIE 345	SHORE RD 345
DISCONNECT BUS 150	/ DUMMY BUS	DUNWOODIE 150	MVAR SW. SHUNT REAC
END	/		
CONTINGENCY 'TWR:W97&W98 '	/ EXEMPT FROM REQUIRED NORMAL CONTINGENCIES		
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 1 / W97		BUCH S 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 2 / W98		BUCH S 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126263 TO BUS 126290 CKT 1 / Y88		BUCH S 345	LADENTWN 345
TRIP BRANCH FROM BUS 126263 TO BUS 147832 CKT 1 / W96		BUCH S 345	IP3 345 345
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 1 / GSU		IP 3 GEN 22	IP3 345 345
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 2 / GSU		IP 3 GEN 22	IP3 345 345
REMOVE UNIT 1 FROM BUS 147798	/ GEN		INDIAN POINT 3
END			
CONTINGENCY 'TWR:W99&W93 '			
TRIP BRANCH FROM BUS 126262 TO BUS 126267 CKT 1 / W93		BUCH N 345	E VIEW1 345
TRIP BRANCH FROM BUS 126298 TO BUS 126267 CKT 1 / W79		SPRBROOK 345	E VIEW1 345
TRIP BRANCH FROM BUS 126378 TO BUS 126267 CKT 1 / 2N		EASTVIEW 138	E VIEW1 345
TRIP BRANCH FROM BUS 126291 TO BUS 126269 CKT 1 / W99		MILLWOOD 345	E VIEW3 345
TRIP BRANCH FROM BUS 126298 TO BUS 126269 CKT 2 / W64		SPRBROOK 345	E VIEW3 345
TRIP BRANCH FROM BUS 126378 TO BUS 126269 CKT 1 / 1N		EASTVIEW 138	E VIEW3 345
END			
CONTINGENCY 'TWR:34&42 '			
TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT42		ROCK TAV 345	COOPC345 345
TRIP BRANCH FROM BUS 130750 TO BUS 146754 CKT 1 / CMT-34		COOPC345 345	SHOEMTAP 345
TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / MTR-34		SHOEMTAP 345	ROCK TAV 345
END			
CONTINGENCY 'TWR:69/J&70/K'			
TRIP BRANCH FROM BUS 126297 TO BUS 146753 CKT 1 / 70		RAMAPO 345	SMAHWAH2 345
TRIP BRANCH FROM BUS 126297 TO BUS 146752 CKT 1 / 69		RAMAPO 345	SMAHWAH1 345
TRIP BRANCH FROM BUS 146752 TO BUS 234604 CKT 1 / XFMR		SMAHWAH1 345	S.MAHWAH 138
TRIP BRANCH FROM BUS 217063 TO BUS 146753 CKT 1 / K3411		WALDWICK 345	SMAHWAH2 345
TRIP BRANCH FROM BUS 217063 TO BUS 146752 CKT 1 / J3410		WALDWICK 345	SMAHWAH1 345
END			
CONTINGENCY 'GEN:IND PT 2'			
REMOVE UNIT 2 FROM BUS 126651	/		
END			
CONTINGENCY 'GEN:IND PT 3'			
REMOVE UNIT 1 FROM BUS 147798	/		
END			
CONTINGENCY 'GEN:BOWL PT2'			
REMOVE UNIT 2 FROM BUS 146840	/		
END			
CONTINGENCY 'GEN:BOWL PT1'			
REMOVE UNIT 1 FROM BUS 146841	/		
END			
CONTINGENCY 'SER:W93&W79'			
TRIP BRANCH FROM BUS 126262 TO BUS 126267 CKT 1 / W93		BUCH N 345	E VIEW1 345
TRIP BRANCH FROM BUS 126298 TO BUS 126267 CKT 1 / W79		SPRBROOK 345	E VIEW1 345
TRIP BRANCH FROM BUS 126378 TO BUS 126267 CKT 1 / 2N		EASTVIEW 138	E VIEW1 345
END			
CONTINGENCY 'SER:W85&W78'			
TRIP BRANCH FROM BUS 126291 TO BUS 126268 CKT 1 / W85		MILLWOOD 345	E VIEW2 345
TRIP BRANCH FROM BUS 126298 TO BUS 126268 CKT 1 / W78		SPRBROOK 345	E VIEW2 345
TRIP BRANCH FROM BUS 126378 TO BUS 126268 CKT 1 / 1S		EASTVIEW 138	E VIEW2 345
END			
CONTINGENCY 'SER:W99&W64'			
TRIP BRANCH FROM BUS 126291 TO BUS 126269 CKT 1 / W99		MILLWOOD 345	E VIEW3 345
TRIP BRANCH FROM BUS 126298 TO BUS 126269 CKT 2 / W64		SPRBROOK 345	E VIEW3 345
TRIP BRANCH FROM BUS 126378 TO BUS 126269 CKT 1 / 1N		EASTVIEW 138	E VIEW3 345
END			
CONTINGENCY 'SER:W82&W65'			
TRIP BRANCH FROM BUS 126291 TO BUS 126270 CKT 1 / W82		MILLWOOD 345	E VIEW4 345
TRIP BRANCH FROM BUS 126298 TO BUS 126270 CKT 1 / W65		SPRBROOK 345	E VIEW4 345
TRIP BRANCH FROM BUS 126378 TO BUS 126270 CKT 1 / 2S		EASTVIEW 138	E VIEW4 345

END

CONTINGENCY 'SER:F30&W80'

TRIP BRANCH FROM BUS 126294 TO BUS 126306 CKT 1 / F30  
TRIP BRANCH FROM BUS 126291 TO BUS 126306 CKT 1 / W80  
TRIP BRANCH FROM BUS 126306 TO BUS 130759 CKT 1 / ZILW1  
TRIP BRANCH FROM BUS 130759 TO BUS 130865 CKT 1 / TRW1

PLTVLLEY 345 WOOD B 345  
MILLWOOD 345 WOOD B 345  
WOOD B 345 WOODB345 345  
WOOD B 345 WOODB115 115

END

CONTINGENCY 'SER:F38&Y86'

TRIP BRANCH FROM BUS 126281 TO BUS 126292 CKT 1 / F38  
TRIP BRANCH FROM BUS 126292 TO BUS 126733 CKT 1 / T1  
DISCONNECT BUS 126292 / BUS

FISHKILL 345 PL VILLE 345  
PL VILLE 345 PLTVILLE 13  
PL VILLE 345 (20 MVAR REACTOR)

END

CONTINGENCY 'SER:F39&Y87'

TRIP BRANCH FROM BUS 126281 TO BUS 126305 CKT 1 / F39  
TRIP BRANCH FROM BUS 126293 TO BUS 126305 CKT 1 / Y87  
TRIP BRANCH FROM BUS 126305 TO BUS 130758 CKT 1 /  
TRIP BRANCH FROM BUS 130758 TO BUS 130865 CKT 1 / T2

FISHKILL 345 WOOD A 345  
PL VILLW 345 WOOD A 345  
WOOD A 345 WOODA345 345  
WOODA345 345 WOODS115 115

END

CONTINGENCY 'SER:W90&W74'

TRIP BRANCH FROM BUS 126266 TO BUS 126293 CKT 1 / W90  
TRIP BRANCH FROM BUS 126293 TO BUS 126733 CKT 1 / T2  
DISCONNECT BUS 126342 / W74 DUNWODIE 345  
DISCONNECT BUS 126293 / BUS

DUNWODIE 345 PL VILLW 345  
PL VILLW 345 PLTVILLE 13  
DUN NO 138  
PL VILLW 345 (20 MVAR REACTOR)

END

CONTINGENCY 'SER:W89&W73'

TRIP BRANCH FROM BUS 126266 TO BUS 126292 CKT 1 / W89  
DISCONNECT BUS 126343 / W74 DUNWODIE 345

DUNWODIE 345 PL VILLE 345  
DUN SO 138

END

CONTINGENCY 'SER:Y94&TA5'

TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94  
TRIP BRANCH FROM BUS 126360 TO BUS 126262 CKT 1 / TA5

RAMAPO 345 BUCH N 345  
BUCHNTA5 138 BUCH N 345

END

CONTINGENCY 'SER:69 & J '

TRIP BRANCH FROM BUS 126297 TO BUS 146752 CKT 1 / 69  
TRIP BRANCH FROM BUS 146752 TO BUS 234604 CKT 1 / XFMR  
TRIP BRANCH FROM BUS 217063 TO BUS 146752 CKT 1 / J3410

RAMAPO 345 SMAHWAH1 345  
SMAHWAH1 345 SMAHWAH 138  
WALDWICK 345 SMAHWAH1 345

END

CONTINGENCY 'SER:70 & K '

TRIP BRANCH FROM BUS 126297 TO BUS 146753 CKT 1 / 70  
TRIP BRANCH FROM BUS 217063 TO BUS 146753 CKT 1 / K3411

RAMAPO 345 SMAHWAH2 345  
WALDWICK 345 SMAHWAH2 345

END

CONTINGENCY 'SER:CMT34&MTR34'

/ COOP. CORNERS > SHOEMTAP > ROCK TAV

TRIP BRANCH FROM BUS 130750 TO BUS 146754 CKT 1 / CMT-34  
TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / MTR-34

COOPC345 345 SHOEMTAP 345  
SHOEMTAP 345 ROCK TAV 345

END

CONTINGENCY 'SER:PV\_LM\_398'

TRIP BRANCH FROM BUS 103105 TO BUS 103117 CKT 1 /  
TRIP BRANCH FROM BUS 103117 TO BUS 126294 CKT 1 / 398

LONG MTN 345 CTNY398 345  
CTNY398 345 PLTVLLEY 345

END

CONTINGENCY 'SB:BUCH\_345\_N\_7'

TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94  
TRIP BRANCH FROM BUS 126262 TO BUS 126360 CKT 1 / TA5  
TRIP BRANCH FROM BUS 126262 TO BUS 126288 CKT 1 / W95  
TRIP BRANCH FROM BUS 126651 TO BUS 126288 CKT 1 / GSU  
TRIP BRANCH FROM BUS 126651 TO BUS 126288 CKT 2 / GSU  
REMOVE UNIT 2 FROM BUS 126651 / IND PT 2

RAMAPO 345 BUCH N 345  
BUCH N 345 BUCHNTA5 138  
BUCH N 345 IP2 345 345  
IND PT 2 22 IP2 345 345  
IND PT 2 22 IP2 345 345

END

CONTINGENCY 'SB:BUCH\_345\_N\_9'

TRIP BRANCH FROM BUS 126262 TO BUS 126267 CKT 1 / W93  
TRIP BRANCH FROM BUS 126298 TO BUS 126267 CKT 1 / W79  
TRIP BRANCH FROM BUS 126378 TO BUS 126267 CKT 1 / 2N  
TRIP BRANCH FROM BUS 126262 TO BUS 126288 CKT 1 / W95  
TRIP BRANCH FROM BUS 126651 TO BUS 126288 CKT 1 / GSU  
TRIP BRANCH FROM BUS 126651 TO BUS 126288 CKT 2 / GSU  
REMOVE UNIT 2 FROM BUS 126651 / IND PT 2

BUCH N 345 E VIEW1 345  
SPRBRK 345 E VIEW1 345  
EASTVW 138 E VIEW1 345  
BUCH N 345 IP2 345 345  
IND PT 2 22 IP2 345 345  
IND PT 2 22 IP2 345 345

END

CONTINGENCY 'SB:BUCH\_345\_N\_11'

TRIP BRANCH FROM BUS 126262 TO BUS 126267 CKT 1 / W93  
TRIP BRANCH FROM BUS 126298 TO BUS 126267 CKT 1 / W79  
TRIP BRANCH FROM BUS 126378 TO BUS 126267 CKT 1 / 2N

BUCH N 345 E VIEW1 345  
SPRBRK 345 E VIEW1 345  
EASTVW 138 E VIEW1 345

TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94	RAMAPO 345	BUCH N 345
TRIP BRANCH FROM BUS 126262 TO BUS 126360 CKT 1 / TA5	BUCH N 345	BUCHNTA5 138
TRIP BRANCH FROM BUS 126262 TO BUS 126288 CKT 1 / W95	BUCH N 345	IP2 345 345
TRIP BRANCH FROM BUS 126651 TO BUS 126288 CKT 1 / GSU	IND PT 2 22	IP2 345 345
TRIP BRANCH FROM BUS 126651 TO BUS 126288 CKT 2 / GSU	IND PT 2 22	IP2 345 345
REMOVE UNIT 2 FROM BUS 126651 / IND PT 2		
END		
CONTINGENCY 'SB:BUCH_345_S_1' /		
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 1 / W97	BUCH S 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126263 TO BUS 147832 CKT 1 / W96	BUCH S 345	IP3 345 345
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 1 / GSU	IP 3 GEN 22	IP3 345 345
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 2 / GSU	IP 3 GEN 22	IP3 345 345
REMOVE UNIT 1 FROM BUS 147798 / IND PT 3		
END		
CONTINGENCY 'SB:BUCH_345_S_3' /		
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 2 / W98	BUCH S 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126263 TO BUS 147832 CKT 1 / W96	BUCH S 345	IP3 345 345
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 1 / GSU	IP 3 GEN 22	IP3 345 345
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 2 / GSU	IP 3 GEN 22	IP3 345 345
REMOVE UNIT 1 FROM BUS 147798 / IND PT 3		
END		
CONTINGENCY 'SB:BUCH_345_S_5' /		
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 2 / W98	BUCH S 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 / Y88	LADENTWN 345	BUCH S 345
END		
CONTINGENCY 'SB:BUCH_345_S_6' /		
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 1 / W97	BUCH S 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 / Y88	LADENTWN 345	BUCH S 345
END		
CONTINGENCY 'SB:DUNW_345_6' /	L/O 150 MVAR REACTOR	
TRIP BRANCH FROM BUS 126266 TO BUS 128835 CKT 1 / Y50	DUNWODIE 345	SHORE RD 345
DISCONNECT BUS 126342 / W74	DUN NO 138	
TRIP BRANCH FROM BUS 126266 TO BUS 126293 CKT 1 / W90	DUNWODIE 345	PL VILLW 345
TRIP BRANCH FROM BUS 126293 TO BUS 126733 CKT 1 / 2	PL VILLW 345	PLTVILLE 13
DISCONNECT BUS 126293 / BUS PLEASANTVILLE WEST (20MVAR REAC)		
DISCONNECT BUS 150 / DUMMY BUSDUNWOODIE SW. SHUNT REACTOR		
END		
CONTINGENCY 'SB:DUNW_345_4' /	L/O TWO 150 MVAR REACTORS	
TRIP BRANCH FROM BUS 126266 TO BUS 128835 CKT 1 / Y50	DUNWODIE 345	SHORE RD 345
DISCONNECT BUS 126343 / W73	DUN SO 138	
TRIP BRANCH FROM BUS 126266 TO BUS 126292 CKT 1 / W89	DUNWODIE 345	PL VILLE 345
DISCONNECT BUS 150 / DUMMY BUS	DUNWOODIE SW. SHUNT REACTOR	
END		
CONTINGENCY 'SB:DUNW_345_8' / Post Mott Haven		
TRIP BRANCH FROM BUS 126266 TO BUS 126601 CKT BY / 72	DUNWOODIE	REACT72 (BYPASS)
TRIP BRANCH FROM BUS 126266 TO BUS 126601 CKT SR / 72	DUNWOODIE	REACT72 (IN SERVICE)
TRIP BRANCH FROM BUS 126601 TO BUS 126641 CKT 4 / 72	REACT72	S BRONX 345
DISCONNECT BUS 126342 / W74	DUN NO 138	
TRIP BRANCH FROM BUS 126266 TO BUS 126293 CKT 1 / W90	DUNWODIE 345	PL VILLW 345
TRIP BRANCH FROM BUS 126293 TO BUS 126733 CKT 1 / 2	PL VILLW 345	PLTVILLE 13
DISCONNECT BUS 126293 / BUS	PL VILLW 345 (20 MVAR REAC)	
END		
CONTINGENCY 'SB:DUNW_345_7' / Post Mott Haven		
TRIP BRANCH FROM BUS 126266 TO BUS 126601 CKT BY / 72	DUNWODIE 345	REACT72 (BYPASS)
TRIP BRANCH FROM BUS 126266 TO BUS 126601 CKT SR / 72	DUNWODIE 345	REACT72 (IN SERVICE)
TRIP BRANCH FROM BUS 126601 TO BUS 126641 CKT 4 / 72	REACT72	S BRONX 345
TRIP BRANCH FROM BUS 126298 TO BUS 126266 CKT 1 / W75 L&M	SPRBROOK 345	DUNWODIE 345
END		
CONTINGENCY 'SB:DUNW_345_5' / Post Mott Haven		
TRIP BRANCH FROM BUS 126266 TO BUS 126600 CKT BY / 71	DUNWOODIE 345	REACT71 (BYPASS)
TRIP BRANCH FROM BUS 126266 TO BUS 126600 CKT SR / 71	DUNWOODIE 345	REACT71 (IN SERVICE)
TRIP BRANCH FROM BUS 126600 TO BUS 126641 CKT 3 / 71	REACT71	S BRONX 345
TRIP BRANCH FROM BUS 126298 TO BUS 126266 CKT 1 / W75 L&M	SPRBROOK 345	DUNWODIE 345
END		
CONTINGENCY 'SB:DUNW_345_3' / Post Mott Haven		
TRIP BRANCH FROM BUS 126266 TO BUS 126600 CKT BY / 71	DUNWOODIE	REACT71 (BYPASS)
TRIP BRANCH FROM BUS 126266 TO BUS 126600 CKT SR / 71	DUNWOODIE	REACT71 (IN SERVICE)
TRIP BRANCH FROM BUS 126600 TO BUS 126641 CKT 3 / 71	REACT71	S BRONX 345
DISCONNECT BUS 126343 / W73	DUN SO 138	
TRIP BRANCH FROM BUS 126266 TO BUS 126292 CKT 1 / W89	DUNWODIE 345	PL VILLE 345

END  
 CONTINGENCY 'SB:E\_FI\_345\_11' /  
 TRIP BRANCH FROM BUS 126281 TO BUS 125022 CKT 1 / XFMR FISHKILL 345 E FISH I 115  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 1 / F36 PLTVLLEY 345 FISHKILL 345  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_9' /  
 TRIP BRANCH FROM BUS 126281 TO BUS 126292 CKT 1 / F38/Y86 FISHKILL 345 PL VILLE 345  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 1 / F36 PLTVLLEY 345 FISHKILL 345  
 DISCONNECT BUS 126292 / BUS PLEASANTVILLE BUS (20 MVAR REAC)  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_7\_CapBank' / L/O NORTH BUS & 270MVAR CAP  
 TRIP BRANCH FROM BUS 126281 TO BUS 126292 CKT 1 / F38/Y86 FISHKILL 345 PL VILLE 345  
 DISCONNECT BUS 126292 / BUS PLEASANTVILLE BUS (20 MVAR REAC)  
 DISCONNECT BUS 102 / DUMMY BUS FISHKILL SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_6' /  
 TRIP BRANCH FROM BUS 126281 TO BUS 126305 CKT 1 / F39/Y87 FISHKILL 345 WOOD A 345  
 DISCONNECT BUS 126305 / BUS WOOD ST A  
 TRIP BRANCH FROM BUS 126281 TO BUS 125022 CKT 1 / XFMR FISHKILL 345 E FISH I 115  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_5' /  
 TRIP BRANCH FROM BUS 126281 TO BUS 125022 CKT 1 / XFMR FISHKILL 345 E FISH I 115  
 TRIP BRANCH FROM BUS 126281 TO BUS 125002 CKT 1 / RFK305 FISHKILL 345 ROSETON 345  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_4' /  
 TRIP BRANCH FROM BUS 126281 TO BUS 126305 CKT 1 / F39/Y87 FISHKILL 345 WOOD A 345  
 DISCONNECT BUS 126305 / BUS WOOD ST A  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 2 / F37 PLTVLLEY 345 FISHKILL 345  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_3\_CapBank' / L/O NORTH BUS & 270MVAR CAP  
 TRIP BRANCH FROM BUS 126281 TO BUS 125002 CKT 1 / RFK305 FISHKILL 345 ROSETON 345  
 DISCONNECT BUS 102 / DUMMY BUS FISHKILL SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:E\_FI\_345\_2\_CapBank' / L/O NORTH BUS & 270MVAR CAP  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 2 / F37 PLTVLLEY 345 FISHKILL 345  
 DISCONNECT BUS 102 / DUMMY BUS FISHKILL SW. SHUNT CAP  
 END  
 CONTINGENCY 'SB:LADE\_345\_1-56-2' /  
 TRIP BRANCH FROM BUS 126297 TO BUS 126290 CKT 1 / W72 RAMAPO 345 LADENTWN 345  
 TRIP BRANCH FROM BUS 126290 TO BUS 146750 CKT 1 / 67 LADENTWN 345 W.HAV345 345  
 TRIP BRANCH FROM BUS 146750 TO BUS 126260 CKT 10/ 67 W.HAV345 345 BOWLINE1 345  
 TRIP BRANCH FROM BUS 146750 TO BUS 146775 CKT 1 / 194 W.HAV345 345 W.HAVERS 138  
 TRIP BRANCH FROM BUS 146841 TO BUS 126260 CKT 1 / GSU BOW1 20 BOWLINE1 345  
 REMOVE UNIT 1 FROM BUS 146841 / BOWLINE 1  
 END  
 CONTINGENCY 'SB:LADE\_345\_3-56-2' /  
 TRIP BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 / Y88 LADENTWN 345 BUCH S 345  
 TRIP BRANCH FROM BUS 126290 TO BUS 146750 CKT 1 / 67 LADENTWN 345 W.HAV345 345  
 TRIP BRANCH FROM BUS 146750 TO BUS 126260 CKT 10/ 67 W.HAV345 345 BOWLIN1 345  
 TRIP BRANCH FROM BUS 146750 TO BUS 146775 CKT 1 / 194 W.HAV345 345 W.HAVERS 138  
 TRIP BRANCH FROM BUS 146841 TO BUS 126260 CKT 1 / GSU BOW1 20 BOWLINE1 345  
 REMOVE UNIT 1 FROM BUS 146841 / BOWLINE 1  
 END  
 CONTINGENCY 'SB:LADE\_345\_4-56-2' /  
 TRIP BRANCH FROM BUS 126297 TO BUS 126290 CKT 1 / W72 RAMAPO 345 LADENTWN 345  
 TRIP BRANCH FROM BUS 126290 TO BUS 126261 CKT 1 / 68 LADENTWN 345 BOWLINE2 345  
 TRIP BRANCH FROM BUS 146840 TO BUS 126261 CKT 1 / GSU BOW2 20 BOWLINE2 345  
 REMOVE UNIT 2 FROM BUS 146840 / BOWLINE 2  
 END  
 CONTINGENCY 'SB:LADE\_345\_6-56-2' /  
 TRIP BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 / Y88 LADENTWN 345 BUCH S 345  
 TRIP BRANCH FROM BUS 126290 TO BUS 126261 CKT 1 / 68 LADENTWN 345 BOWLINE2 345  
 TRIP BRANCH FROM BUS 146840 TO BUS 126261 CKT 1 / GSU BOW2 20 BOWLINE2 345  
 REMOVE UNIT 2 FROM BUS 146840 / BOWLINE 2  
 END  
 CONTINGENCY 'SB:MILL\_345\_2' /  
 DISCONNECT BUS 126774 / TA1 MILLWOOD 345 MLWD TA 138  
 TRIP BRANCH FROM BUS 126291 TO BUS 126268 CKT 1 / W85 MILLWOOD 345 E VIEW2 345  
 TRIP BRANCH FROM BUS 126298 TO BUS 126268 CKT 1 / W78 SPRBROOK 345 E VIEW2 345  
 TRIP BRANCH FROM BUS 126378 TO BUS 126268 CKT 1 / 1S EASTVIEW 138 E VIEW2 345

END  
 CONTINGENCY 'SB:MILL\_345\_4' /  
 TRIP BRANCH FROM BUS 126294 TO BUS 126291 CKT 1 / W81-F31 PLTVLLEY 345 MILLWOOD 345  
 TRIP BRANCH FROM BUS 126291 TO BUS 126268 CKT 1 / W85 MILLWOOD 345 E VIEW2 345  
 TRIP BRANCH FROM BUS 126298 TO BUS 126268 CKT 1 / W78 SPRBROOK 345 E VIEW2 345  
 TRIP BRANCH FROM BUS 126378 TO BUS 126268 CKT 1 / 1S EASTVIEW 138 E VIEW2 345  
 END  
 CONTINGENCY 'SB:MILL\_345\_6' /  
 TRIP BRANCH FROM BUS 126294 TO BUS 126291 CKT 1 / W81-F31 PLTVLLEY 345 MILLWOOD 345  
 DISCONNECT BUS 126775 / TA2 MILLWOOD 345 MLWD TA 138  
 END  
 CONTINGENCY 'SB:MILL\_345\_7' /  
 DISCONNECT BUS 126774 / TA1 MILLWOOD 345 MLWD TA 138  
 TRIP BRANCH FROM BUS 126291 TO BUS 126270 CKT 1 / W82 MILLWOOD 345 E VIEW4 345  
 TRIP BRANCH FROM BUS 126298 TO BUS 126270 CKT 1 / W65 SPRBROOK 345 E VIEW4 345  
 TRIP BRANCH FROM BUS 126378 TO BUS 126270 CKT 1 / 2S EASTVIEW 138 E VIEW4 345  
 END  
 CONTINGENCY 'SB:MILL\_345\_9' /  
 TRIP BRANCH FROM BUS 126306 TO BUS 126291 CKT 1 / W80 WOOD B 345 MILLWOOD 345  
 TRIP BRANCH FROM BUS 126306 TO BUS 126294 CKT 1 / F30 WOOD B 345 PLTVLLEY 345  
 TRIP BRANCH FROM BUS 126306 TO BUS 130759 CKT 1 / XFR 1 WOOD B XFR  
 TRIP BRANCH FROM BUS 126291 TO BUS 126270 CKT 1 / W82 MILLWOOD 345 E VIEW4 345  
 TRIP BRANCH FROM BUS 126298 TO BUS 126270 CKT 1 / W65 SPRBROOK 345 E VIEW4 345  
 TRIP BRANCH FROM BUS 126378 TO BUS 126270 CKT 1 / 2S EASTVIEW 138 E VIEW4 345  
 END  
 CONTINGENCY 'SB:MILL\_345\_11' /  
 TRIP BRANCH FROM BUS 126306 TO BUS 126291 CKT 1 / W80 WOOD B 345 MILLWOOD 345  
 TRIP BRANCH FROM BUS 126306 TO BUS 126294 CKT 1 / F30 WOOD B 345 PLTVLLEY 345  
 TRIP BRANCH FROM BUS 126306 TO BUS 130759 CKT 1 / XFR 1 WOOD B XFR  
 DISCONNECT BUS 126775 / TA2 MILLWOOD 345 MLWD TA 138  
 END  
 CONTINGENCY 'SB:MILL\_345\_12' /  
 TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 1 / W97 BUCH S 345 MILLWOOD 345  
 DISCONNECT BUS 126775 / TA2 MILLWOOD 345 MLWD TA 138  
 END  
 CONTINGENCY 'SB:MILL\_345\_14' /  
 DISCONNECT BUS 126774 / TA1 MILLWOOD 345 MLWD TA 138  
 TRIP BRANCH FROM BUS 126291 TO BUS 126269 CKT 1 / W99 MILLWOOD 345 E VIEW3 345  
 TRIP BRANCH FROM BUS 126298 TO BUS 126269 CKT 2 / W64 SPRBROOK 345 E VIEW3 345  
 TRIP BRANCH FROM BUS 126378 TO BUS 126269 CKT 1 / 1N EASTVIEW 138 E VIEW3 345  
 END  
 CONTINGENCY 'SB:MILL\_345\_16' /  
 TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 2 / W98 BUCH S 345 MILLWOOD 345  
 TRIP BRANCH FROM BUS 126291 TO BUS 126269 CKT 1 / W99 MILLWOOD 345 E VIEW3 345  
 TRIP BRANCH FROM BUS 126298 TO BUS 126269 CKT 2 / W64 SPRBROOK 345 E VIEW3 345  
 TRIP BRANCH FROM BUS 126378 TO BUS 126269 CKT 1 / 1N EASTVIEW 138 E VIEW3 345  
 END  
 CONTINGENCY 'SB:MILL\_345\_18' /  
 TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 2 / W98 BUCH S 345 MILLWOOD 345  
 DISCONNECT BUS 126775 / TA2 MILLWOOD 345 MLWD TA 138  
 END  
 CONTINGENCY 'SB:PV\_345\_RS2' /  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 1 / F36 PLTVLLEY 345 FISHKILL 345  
 TRIP BRANCH FROM BUS 126294 TO BUS 125043 CKT 1 / XFR S1 PLTVLLEY 345 PL.VAL1 115  
 END/  
 CONTINGENCY 'SB:PV\_345\_RN3' /  
 TRIP BRANCH FROM BUS 126294 TO BUS 103117 CKT 1 / 398 PLTVLLEY 345 CTNY  
 TRIP BRANCH FROM BUS 103117 TO BUS 103105 CKT 1 / 398 CTNY 345 LONGMTN 345  
 END  
 CONTINGENCY 'SB:PV\_345\_RNS3' /  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 2 / F37 PLTVLLEY 345 FISHKILL 345  
 TRIP BRANCH FROM BUS 126294 TO BUS 103117 CKT 1 / 398 PLTVLLEY 345 CTNY  
 TRIP BRANCH FROM BUS 103117 TO BUS 103105 CKT 1 / 398 CTNY 345 LONGMTN 345  
 END  
 CONTINGENCY 'SB:PV\_345\_RS3' /  
 TRIP BRANCH FROM BUS 126294 TO BUS 126281 CKT 2 / F37 PLTVLLEY 345 FISHKILL 345  
 TRIP BRANCH FROM BUS 126294 TO BUS 125043 CKT 1 / XFR S1 PLTVLLEY 345 PL.VAL1 115  
 END  
 CONTINGENCY 'SB:PV\_345\_RNS4' /  
 TRIP BRANCH FROM BUS 137455 TO BUS 126294 CKT 1 / 91 ATHENS 345 PLTVLLEY 345

TRIP BRANCH FROM BUS 126294 TO BUS 126291 CKT 1 / F31-W81 END	PLTVLLEY 345	MILLWOOD 345
CONTINGENCY 'SB:PV_345_RS4' /		
TRIP BRANCH FROM BUS 126294 TO BUS 126291 CKT 1 / F31-W81	PLTVLLEY 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126294 TO BUS 125043 CKT 1 / XFR S1 END	PLTVLLEY 345	PL.VAL 1 115
CONTINGENCY 'SB:PV_345_RNS5' /		
TRIP BRANCH FROM BUS 137451 TO BUS 126294 CKT 2 / 92	LEEDS 3 345	PLTVLLEY 345
TRIP BRANCH FROM BUS 126294 TO BUS 126306 CKT 1 / F30	PLTVLLEY 345	WOOD B 345
TRIP BRANCH FROM BUS 126306 TO BUS 126291 CKT 1 / W80	WOOD B 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126306 TO BUS 130759 CKT 1 / ZIL	WOOD B 345	WOODB345
TRIP BRANCH FROM BUS 130759 TO BUS 130865 CKT 1 / XFR END	WOOD B 345	WOODB115
CONTINGENCY 'SB:PV_345_RS5' /		
TRIP BRANCH FROM BUS 126294 TO BUS 126306 CKT 1 / F30	PLTVLLEY 345	WOOD B 345
TRIP BRANCH FROM BUS 126306 TO BUS 126291 CKT 1 / W80	WOOD B 345	MILLWOOD 345
TRIP BRANCH FROM BUS 126294 TO BUS 125043 CKT 1 / XFR	PLTVLLEY 345	PL.VAL 1 115
TRIP BRANCH FROM BUS 126306 TO BUS 130759 CKT 1 / ZIL	WOOD B 345	WOODB345
TRIP BRANCH FROM BUS 130759 TO BUS 130865 CKT 1 / XFR END	WOOD B 345	WOODB115
CONTINGENCY 'SB:RAIN_345_1W'		
DISCONNECT BUS 126865 / 60L RAINEY 345	RAV3 GSU 3S	
TRIP BRANCH FROM BUS 126295 TO BUS 126562 CKT 8 / 3W XFR	RAINEY 345	8W DUM
TRIP BRANCH FROM BUS 126562 TO BUS 126481 CKT 1 / 3W XFR	8W DUM	8W DUM RAINEY 8W
TRIP BRANCH FROM BUS 126562 TO BUS 126678 CKT 1 / 3W XFR	8W DUM	RYYGT811
REMOVE UNIT 1 FROM BUS 126678 / GT RAINEY GT		
TRIP BRANCH FROM BUS 126481 TO BUS 126507 CKT 1 / 36312 END	RAINEY	VERNON
CONTINGENCY 'SB:RMP_345_T77-94-2' /		
TRIP BRANCH FROM BUS 125001 TO BUS 126297 CKT 1 / 77	ROCK TAV 345	RAMAPO 345
TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94	RAMAPO 345	BUCH N 345
TRIP BRANCH FROM BUS 126360 TO BUS 126262 CKT 1 / TA5 END	BUCHNTA5 138	BUCH N 345
CONTINGENCY 'SB:RMP_345_94-2Y' /		
TRIP BRANCH FROM BUS 126297 TO BUS 146769 CKT 1 / XFR 1300	RAMAP345 345	RAMAPO1 138
TRIP BRANCH FROM BUS 126297 TO BUS 126262 CKT 1 / Y94	RAMAPO 345	BUCH N 345
TRIP BRANCH FROM BUS 126360 TO BUS 126262 CKT 1 / TA5 END	BUCHNTA5 138	BUCH N 345
CONTINGENCY 'SB:RMP_345_1500-2X'		
TRIP BRANCH FROM BUS 126296 TO BUS 126297 CKT 1 / BK4500	RAM PAR 345	RAMAPO 345
TRIP BRANCH FROM BUS 126296 TO BUS 126297 CKT 2 / BK3500 END	RAM PAR 345	RAMAPO 345/ XFR 1500
CONTINGENCY 'SB:RMP_345_T1500_W72-2' /		
TRIP BRANCH FROM BUS 126297 TO BUS 126290 CKT 1 / W72	RAMAPO 345	LADENTWN 345
TRIP BRANCH FROM BUS 126296 TO BUS 126297 CKT 1 / BK4500	RAM PAR 345	RAMAPO 345
TRIP BRANCH FROM BUS 126296 TO BUS 126297 CKT 2 / BK3500	RAM PAR 345	RAMAPO 345
TRIP BRANCH FROM BUS 126296 TO BUS 126250 CKT 1 / XFR 1500 END	RAM PAR	345 RAMAPO 500
CONTINGENCY 'SB:RMP_345_W72-2Y' /		
TRIP BRANCH FROM BUS 126297 TO BUS 126290 CKT 1 / W72	RAMAPO 345	LADENTWN 345
TRIP BRANCH FROM BUS 126297 TO BUS 146769 CKT 1 / XFR 1300 END	RAMAP345 345	RAMAPO1 138
CONTINGENCY 'SB:RMP_345_T-70-2' /		
TRIP BRANCH FROM BUS 126297 TO BUS 146753 CKT 1 / 70	RAMAPO 345	SO MAHWAH 2
TRIP BRANCH FROM BUS 146753 TO BUS 217063 CKT 1 / K3411	SO MAHWAH 2	WALDWICK
TRIP BRANCH FROM BUS 126297 TO BUS 146769 CKT 2 / XFR 2300 END	RAMAPO 345	RAMAPO 138
CONTINGENCY 'SB:RMP_345_70-2Y' /		
TRIP BRANCH FROM BUS 126297 TO BUS 146753 CKT 1 / 70	RAMAPO 345	SO.MAHWAH 2 345
TRIP BRANCH FROM BUS 146753 TO BUS 217063 CKT 1 / K3411	SO MAHWAH 2	WALDWICK
TRIP BRANCH FROM BUS 126297 TO BUS 146769 CKT 1 / XFR 1300 END	RAMAP345 345	RAMAPO1 138
CONTINGENCY 'SB:RMP_345_T-2500-69-2'		
TRIP BRANCH FROM BUS 126297 TO BUS 146752 CKT 1 / 69	RAMAPO 345	SO MAHWAH 1 345
TRIP BRANCH FROM BUS 146752 TO BUS 217063 CKT 1 / J3410	SO MAHWAH 1	WALDWICK
TRIP BRANCH FROM BUS 126297 TO BUS 146769 CKT 2 / XFR 2300 END	RAMAPO 345	RAMAPO 138
CONTINGENCY 'SB:RMP_345_69-2Y' /		
TRIP BRANCH FROM BUS 126297 TO BUS 146752 CKT 1 / 69N	RAMAPO 345	SO. MAHWAH 345
TRIP BRANCH FROM BUS 146752 TO BUS 217063 CKT 1 / J3410	SO MAHWAH 1	WALDWICK

TRIP BRANCH FROM BUS 126297 TO BUS 146769 CKT 1 / XFR 1300 END			
CONTINGENCY 'SB:ROSE_345_30551' /			
TRIP BRANCH FROM BUS 126281 TO BUS 125002 CKT 1 / RFK 305 REMOVE UNIT 1 FROM BUS 125190 / GN1 24 END	FISHKILL 345		ROSETON 345
CONTINGENCY 'SB:ROSE_345_30356' /			
TRIP BRANCH FROM BUS 125002 TO BUS 125000 CKT 1 / 303 REMOVE UNIT 1 FROM BUS 125190 / GN1 24 END	ROSETON 345		HURLEY 3 345
CONTINGENCY 'SB:ROSE_345_31151' /			
TRIP BRANCH FROM BUS 125002 TO BUS 125000 CKT 1 / 303 TRIP BRANCH FROM BUS 125002 TO BUS 125001 CKT 1 / 311 END	ROSETON 345 ROSETON 345		HURLEY 3 345 ROCK TAV 345
CONTINGENCY 'SB:ROSE_345_31152' /			
TRIP BRANCH FROM BUS 125002 TO BUS 125001 CKT 1 / 311 REMOVE UNIT 2 FROM BUS 125192 / GN2 24 END	ROSETON 345		ROCK TAV 345
CONTINGENCY 'SB:ROSE_345_30553' /			
TRIP BRANCH FROM BUS 126281 TO BUS 125002 CKT 1 / RFK 305 REMOVE UNIT 2 FROM BUS 125192 / GN2 24 END	FISHKILL 345		ROSETON 345
CONTINGENCY 'SB:SPRA_345_RNS2'			
DISCONNECT BUS 126299 / Y49 CABLE			
DISCONNECT BUS 147857 / Y49 CABLE			
DISCONNECT BUS 128830 / Y49 150 MVAR REACTOR			
DISCONNECT BUS 128824 / Y49 150 MVAR REACTOR			
DISCONNECT BUS 128825 / Y49 L/O EGC PAR BUS			
TRIP BRANCH FROM BUS 126298 TO BUS 126369 CKT 6 / S6 END	SPRBROOK 345		DUN NO T 138
CONTINGENCY 'SB:SPRA_345_RN3' /			
TRIP BRANCH FROM BUS 126298 TO BUS 126373 CKT 7 / N7 TRIP BRANCH FROM BUS 126291 TO BUS 126268 CKT 1 / W85 TRIP BRANCH FROM BUS 126298 TO BUS 126268 CKT 1 / W78 TRIP BRANCH FROM BUS 126378 TO BUS 126268 CKT 1 / 1S END	SPRBROOK 345 MILLWOOD 345 SPRBROOK 345 EASTVIEW 138		DUN SO T 138 E VIEW2 345 E VIEW2 345 E VIEW2 345
CONTINGENCY 'SB:SPRA_345_RNS3' /			
TRIP BRANCH FROM BUS 126298 TO BUS 126266 CKT 1 / W75 L&M TRIP BRANCH FROM BUS 126291 TO BUS 126268 CKT 1 / W85 TRIP BRANCH FROM BUS 126298 TO BUS 126268 CKT 1 / W78 TRIP BRANCH FROM BUS 126378 TO BUS 126268 CKT 1 / 1S END	SPRBROOK 345 MILLWOOD 345 SPRBROOK 345 EASTVIEW 138		DUNWODIE 345 E VIEW2 345 E VIEW2 345 E VIEW2 345
CONTINGENCY 'SB:SPRA_345_RS3' /			
TRIP BRANCH FROM BUS 126298 TO BUS 126266 CKT 1 / W75 L&M TRIP BRANCH FROM BUS 126298 TO BUS 126369 CKT 6 / S6 END	SPRBROOK 345 SPRBROOK 345		DUNWODIE 345 DUN NO T 138
CONTINGENCY 'SB:SPRA_345_RN4' /			
TRIP BRANCH FROM BUS 126298 TO BUS 126373 CKT 7 / N7 TRIP BRANCH FROM BUS 126291 TO BUS 126270 CKT 1 / W82 TRIP BRANCH FROM BUS 126298 TO BUS 126270 CKT 1 / W65 TRIP BRANCH FROM BUS 126378 TO BUS 126270 CKT 1 / 2S END	SPRBROOK 345 MILLWOOD 345 SPRBROOK 345 EASTVIEW 138		DUN SO T 138 E VIEW4 345 E VIEW4 345 E VIEW4 345
CONTINGENCY 'SB:SPRA_345_RNS4' / L/O TWO 150 MVAR REACTORS NOT MODELED			
TRIP BRANCH FROM BUS 126298 TO BUS 126517 CKT BY/ M51	SPRBROOK		REACM51 (BYPASS)
TRIP BRANCH FROM BUS 126298 TO BUS 126517 CKT SR/ M51	SPRBROOK		REACM51 (IN SERVICE)
TRIP BRANCH FROM BUS 126517 TO BUS 126304 CKT 1 / M51	REACM51		W 49 ST 345
TRIP BRANCH FROM BUS 126291 TO BUS 126270 CKT 1 / W82	MILLWOOD 345		E VIEW4 345
TRIP BRANCH FROM BUS 126298 TO BUS 126270 CKT 1 / W65	SPRBROOK 345		E VIEW4 345
TRIP BRANCH FROM BUS 126378 TO BUS 126270 CKT 1 / 2S END	EASTVIEW 138		E VIEW4 345
CONTINGENCY 'SB:SPRA_345_RS4' / L/O TWO 150 MVAR REACTORS NOT MODELED			
TRIP BRANCH FROM BUS 126298 TO BUS 126517 CKT BY/ M51	SPRBROOK		REACM51 (BYPASS)
TRIP BRANCH FROM BUS 126298 TO BUS 126517 CKT SR/ M51	SPRBROOK		REACM51 (IN SERVICE)
TRIP BRANCH FROM BUS 126517 TO BUS 126304 CKT 1 / M51	REACM51		W 49 ST 345
TRIP BRANCH FROM BUS 126298 TO BUS 126369 CKT 6 / S6 END	SPRBROOK 345		DUN NO T 138
CONTINGENCY 'SB:SPRA_345_RN5' /			
TRIP BRANCH FROM BUS 126298 TO BUS 126373 CKT 7 / N7 TRIP BRANCH FROM BUS 126291 TO BUS 126269 CKT 1 / W99 TRIP BRANCH FROM BUS 126298 TO BUS 126269 CKT 2 / W64	SPRBROOK 345 MILLWOOD 345 SPRBROOK 345		DUN NO T 138 E VIEW3 345 E VIEW3 345

TRIP BRANCH FROM BUS 126378 TO BUS 126269 CKT 1 / 1N EASTVIEW 138 E VIEW3 345  
END  
CONTINGENCY 'SB:SPRA\_345\_RNS5' / L/O TWO 150 MVAR REACTORS NOT MODELED  
TRIP BRANCH FROM BUS 126298 TO BUS 126518 CKT BY/ M52 SPRBROOK REACM52 (BYPASS)  
TRIP BRANCH FROM BUS 126298 TO BUS 126518 CKT SR/ M52 SPRBROOK REACM52 (IN SERVICE)  
TRIP BRANCH FROM BUS 126518 TO BUS 126304 CKT 2 / M52 REACM52 W 49 ST 345  
TRIP BRANCH FROM BUS 126291 TO BUS 126269 CKT 1 / W99 MILLWOOD 345 E VIEW3 345  
TRIP BRANCH FROM BUS 126298 TO BUS 126269 CKT 2 / W64 SPRBROOK 345 E VIEW3 345  
TRIP BRANCH FROM BUS 126378 TO BUS 126269 CKT 1 / 1N EASTVIEW 138 E VIEW3 345  
END  
CONTINGENCY 'SB:SPRA\_345\_RS5' / L/O TWO 150 MVAR REACTORS NOT MODELED  
TRIP BRANCH FROM BUS 126298 TO BUS 126518 CKT BY/ M52 SPRBROOK REACM52 (BYPASS)  
TRIP BRANCH FROM BUS 126298 TO BUS 126518 CKT SR/ M52 SPRBROOK REACM52 (IN SERVICE)  
TRIP BRANCH FROM BUS 126518 TO BUS 126304 CKT 2 / M52 REACM52 BYPASS W 49 ST 345  
TRIP BRANCH FROM BUS 126298 TO BUS 126369 CKT 6 / S6 SPRBROOK 345 DUN NO T 138  
END  
CONTINGENCY 'SB:SPRA\_345\_RN6' /  
TRIP BRANCH FROM BUS 126298 TO BUS 126373 CKT 7 / N7 SPRBROOK 345 DUN SO T 138  
TRIP BRANCH FROM BUS 126262 TO BUS 126267 CKT 1 / W93 BUCH N 345 E VIEW1 345  
TRIP BRANCH FROM BUS 126298 TO BUS 126267 CKT 1 / W79 SPRBROOK 345 E VIEW1 345  
TRIP BRANCH FROM BUS 126378 TO BUS 126267 CKT 1 / 2N EASTVIEW 138 E VIEW1 345  
END  
CONTINGENCY 'SB:SPRA\_345\_RNS6' / L/O ONE 150 MVAR REACTOR NOT MODELED  
TRIP BRANCH FROM BUS 126298 TO BUS 126301 CKT 1 / X28 SPRBROOK 345 TREMONT 345  
DISCONNECT BUS 126466 / BUS PARK CHESTER  
DISCONNECT BUS 126467 / BUS PARK CHESTER  
DISCONNECT BUS 126462 / BUS TREMONT  
DISCONNECT BUS 126463 / BUS TREMONT  
DISCONNECT BUS 126301 / BUS TREMONT  
TRIP BRANCH FROM BUS 126262 TO BUS 126267 CKT 1 / W93 BUCH N 345 E VIEW1 345  
TRIP BRANCH FROM BUS 126298 TO BUS 126267 CKT 1 / W79 SPRBROOK 345 E VIEW1 345  
TRIP BRANCH FROM BUS 126378 TO BUS 126267 CKT 1 / 2N EASTVIEW 138 E VIEW1 345  
END  
CONTINGENCY 'SB:SPRA\_345\_RS6' / L/O ONE 150 MVAR REACTOR NOT MODELED  
TRIP BRANCH FROM BUS 126298 TO BUS 126301 CKT 1 / X28 SPRBROOK 345 TREMONT 345  
DISCONNECT BUS 126466 / BUS PARK CHESTER  
DISCONNECT BUS 126467 / BUS PARK CHESTER  
DISCONNECT BUS 126462 / BUS TREMONT  
DISCONNECT BUS 126463 / BUS TREMONT  
DISCONNECT BUS 126301 / BUS TREMONT  
TRIP BRANCH FROM BUS 126298 TO BUS 126369 CKT 6 / S6 SPRBROOK 345 DUN NO T 138  
END  
CONTINGENCY 'SB:COOP\_345\_42-4182'  
TRIP BRANCH FROM BUS 147833 TO BUS 130750 CKT 1 / UCC2-41 MARCY T1 345 COOPC345 345  
TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT-42 ROCK TAV 345 COOPC345 345  
END  
CONTINGENCY 'SB:COOP\_345\_34-B382' /  
TRIP BRANCH FROM BUS 146754 TO BUS 130750 CKT 1 / CCRT-34 SHOEMTAP 345 COOPC345 345  
TRIP BRANCH FROM BUS 146754 TO BUS 125001 CKT 1 / CCRT-34 SHOEMTAP 345 ROCK TAV 345  
TRIP BRANCH FROM BUS 130750 TO BUS 130790 CKT 2 / T3 COOPC345 345 COOPC115 115  
END  
CONTINGENCY 'SB:HURL\_345\_30353' /  
TRIP BRANCH FROM BUS 125000 TO BUS 137451 CKT 1 / 301 HURLEY 3 345 LEEDS 3 345  
TRIP BRANCH FROM BUS 125002 TO BUS 125000 CKT 1 / 303 ROSETON 345 HURLEY 3 345  
TRIP BRANCH FROM BUS 125000 TO BUS 125030 CKT 1 / T1 HURLEY 3 345 HURLEY 1 1 15  
END  
CONTINGENCY 'SB:HURL\_345\_30354' /  
TRIP BRANCH FROM BUS 125002 TO BUS 125000 CKT 1 / 303 ROSETON 345 HURLEY 3 345  
TRIP BRANCH FROM BUS 125000 TO BUS 125030 CKT 1 / T1 HURLEY 3 345 HURLEY 1 1 15  
END  
CONTINGENCY 'SB:LEED\_345\_R9293' /  
TRIP BRANCH FROM BUS 137451 TO BUS 126294 CKT 2 / 92 LEEDS 3 345 PLTVLLEY 345  
TRIP BRANCH FROM BUS 137452 TO BUS 137451 CKT 1 / 93 N.SCOT77 345 LEEDS 3 345  
END  
CONTINGENCY 'SB:LEED\_345\_R81' / L/O 135 MVAR CAP 1  
REMOVE UNIT 1 FROM BUS 137451 / SVC LEEDS 3 345  
DISCONNECT BUS 110 / DUMMY BUS LEEDS SW. SHUNT CAP 1  
END  
CONTINGENCY 'SB:LEED\_345\_R301' / L/O 135 MVAR CAP 2  
TRIP BRANCH FROM BUS 125000 TO BUS 137451 CKT 1 / 301 HURLEY 3 345 LEEDS 3 345

DISCONNECT BUS 111 / DUMMY BUS LEEDS SW. SHUNT CAP 2  
END  
CONTINGENCY 'SB:LEED\_345\_?1' / ??For CB maintenance??  
TRIP BRANCH FROM BUS 137451 TO BUS 126294 CKT 2 / 92 LEEDS 3 345 PLTVLLEY 345  
TRIP BRANCH FROM BUS 137451 TO BUS 147831 CKT 1 / GL-3 LEEDS 3 345 GILB 345 345  
END  
CONTINGENCY 'SB:LEED\_345\_?2' / ??For CB maintenance??  
TRIP BRANCH FROM BUS 137451 TO BUS 137455 CKT 1 / 91 LEEDS 3 345 ATHENS 345  
TRIP BRANCH FROM BUS 137452 TO BUS 137451 CKT 1 / 93 N.SCOT77 345 LEEDS 3 345  
END  
CONTINGENCY 'SB:ROCK\_345\_31154' /  
TRIP BRANCH FROM BUS 125002 TO BUS 125001 CKT 1 / 311 ROSETON 345 ROCK TAV 345  
TRIP BRANCH FROM BUS 125001 TO BUS 125046 CKT 1 / W681 ROCK TAV 345 ROCK TV1 115  
END  
CONTINGENCY 'SB:ROCK\_345\_37751'  
TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT-42 ROCK TAV 345 COOPC345 345  
TRIP BRANCH FROM BUS 125001 TO BUS 126297 CKT 1 / 77 ROCK TAV 345 RAMAPO 345  
END  
CONTINGENCY 'SB:ROCK\_345\_37752' /  
TRIP BRANCH FROM BUS 125001 TO BUS 126297 CKT 1 / 77 ROCK TAV 345 RAMAPO 345  
TRIP BRANCH FROM BUS 125001 TO BUS 125046 CKT 1 / W681 ROCK TAV 345 ROCK TV1 115  
END  
CONTINGENCY 'SB:ROCK\_345\_3456' / L/O TWO 135 MVAR CAPS  
TRIP BRANCH FROM BUS 125001 TO BUS 146754 CKT 1 / CCRT-34 ROCK TAV 345 SHOEMTAP 345  
TRIP BRANCH FROM BUS 146754 TO BUS 130750 CKT 1 / CCRT-34 SHOEMTAP 345 COOPC345 345  
TRIP BRANCH FROM BUS 125001 TO BUS 125046 CKT 3 / XFR ROCK TAV 345 ROCK TV1 115  
DISCONNECT BUS 101 / DUMMY BUS ROCK TAV SW. SHUNT CAP  
END  
CONTINGENCY 'SB:ROCK\_345\_4255' L/O TWO 135 MVAR CAPS  
TRIP BRANCH FROM BUS 125001 TO BUS 130750 CKT 2 / CCRT-42 ROCK TAV 345 COOPC345 345  
TRIP BRANCH FROM BUS 125001 TO BUS 125046 CKT 3 / XFR ROCK TAV 345 ROCK TV1 115  
DISCONNECT BUS 101 / DUMMY BUS ROCK TAV SW. SHUNT CAP  
END  
CONTINGENCY 'SIN:130'  
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 1 / Buchanan South - Millwood 345  
TRIP BRANCH FROM BUS 126263 TO BUS 126291 CKT 2 / Buchanan South - Millwood 345  
TRIP BRANCH FROM BUS 126290 TO BUS 126263 CKT 1 / Ladentown - Buchana South 345  
TRIP BRANCH FROM BUS 126263 TO BUS 147832 CKT 1 / Buchanan South-Indian Point 345  
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 1 / Indian Point3 - I.Point 345  
TRIP BRANCH FROM BUS 147798 TO BUS 147832 CKT 2 / Indian Point3 - I.Point 345  
REMOVE UNIT 1 FROM BUS 147798 /  
END