Northeast
Utilities System

The Eastern Connecticut Thermal, Voltage, and Short Circuit Report

Prepared for the ISO-NE Transmission Task Force

Final Report

Prepared by:
Dennis J. Carberry
Timothy F. Laskowski
Northeast Utilities
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Executive Summary

This report summarizes a voltage and thermal study performed on the eastern region of Connecticut. The study was performed using versions 26 and 28 of the Power Technologies, Inc. PSS/E program. The primary power flow case used is from the 2003 FERC 715 library. The NEPOOL load and losses is scaled to model a 2006 extreme summer peak load level (90/10) of approximately 27,900 MW, based on the 2003 CELT Report. A light load power flow case from the 2003 FERC 715 library was also studied. The NEPOOL load and losses was scaled to model a 2006 light load level of approximately 11,700 MW, based on the 2003 CELT Report.

Several probable contingencies, made up of single element, breaker failure scenarios, and double-circuit-towers, result in either severe overloads, extremely low, unacceptable voltages or voltage collapse. Some of these contingencies include, but not limited to, the 115-kV Card-Tunnel-Montville 1080-line, the 1000-1080 DCT, the Card 2T and Tunnel 4T breaker failures. As a solution to this reliability problem, NU proposes the addition of a 345/115-kV autotransformer at the Tracy 14M Substation. To accommodate the autotransformer's interconnection, the 345-kV, Lake Road to Sherman, 347 line will be split into two sections with the ends terminating at the Tracy Substation. The autotransformer will tap the Tracy to Lake Road section of the 347 line.

In addition to the Tracy autotransformer addition, NU proposes the addition of a new 345-kV circuit breaker at the Card 11F Substation. The new circuit breaker will be positioned in series with the existing Card 2T circuit breaker. The doubling-up of the Card 2T circuit breaker will eliminate the Card 2T breaker failure contingency, which resulted in unacceptable system conditions in a light load case with Connecticut exporting power.

Neither the 345/115-kV autotransformer addition at Tracy 14M Substation nor the 345-kV circuit breaker addition at the Card 11F Substation would cause a significant adverse effect upon the reliability or operating characteristics of the NEPOOL system.

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1. Introduction

The eastern Connecticut (CT) transmission system extends from the Rhode Island border in a westerly direction for 20 to 25 miles, and from Long Island Sound north to Massachusetts.

Load is served by CL&P and CMEEC. According to the agreement between CL&P and CMEEC the same reliability standards are applied to all of the loads regardless of which entity is serving the load.

The area is supplied by two 345/115-kV autotransformers at the Montville 4J Substation (just north of New London), one 345/115-kV autotransformer at the Card 11F Substation (near Willimantic), and some local generation. There is a 115-kV tie-line from the Shunock Substation, in the southeastern corner of Connecticut, to the Wood River Substation in Rhode Island. The tie-line to Rhode Island provides a back-up supply to the Mystic Substation load; however, system conditions may or may not allow the line to provide a back-up supply for the area as a whole. The generation in the area consists of the three generators feeding into the Montville 115 kV bus (Montville 5 & 6 and AES Thames). In addition, there are the Lisbon and SCRRA trash to energy plants, the Exeter tire to energy plant, and the Norwich and Tunnel gas turbines. The plants connected to Montville have a maximum capacity of about 763 MW and the remaining plants have a maximum capacity of about 93 MW. The Montville black-start diesel generators have a maximum capacity of about 6 MW. A one-line drawing showing the eastern CT transmission facilities and the location of the larger units in this region appears in Figure 1. A proposed Tracy Substation one-line drawing appears in Figure 2. A Card 345-kV Substation one-line drawing appears in Figure 3.

This study was performed because of a reliability problem in eastern Connecticut. Several probable contingencies result in severe overloads, extremely low, unacceptable voltages or voltage collapse. Therefore, to resolve the reliability problem in the area, the following system modifications are being proposed:

- Split the existing 345-kV, Sherman to Lake Road, 347 line at approximately 0.08 miles from Lake Road, terminating the ends at the Tracy 14M Substation.
- Add a new 345/115-kV autotransformer at the Tracy 14M Substation with a 600/600/600 MVA summer thermal rating and a (0.00063 + j 0.03703) per unit impedance on a 100 MVA base. Interconnect the autotransformer by tapping the Lake Road to Tracy section of the 347 line.
- At the Card 11F Substation add a new 345-kV circuit breaker in series with the existing 2T breaker. This breaker addition will eliminate the Card 2T stuck breaker scenario, which results in unacceptable system conditions.

Figures A1B1 and A1B2 in Appendix A show the 345 kV system one-line and the eastern Connecticut system one-line before the project for one dispatch studied at peak load. Figures A22B1 and A22B2 in Appendix A show the same one-line diagrams with the same dispatch with the project using the Tracy autotransformer.

2. Study Approach

The study was performed using versions 26 and 28 of the Power Technologies, Inc. PSS/E program. All contingencies were executed with the function ACCC, which automatically

executes a full AC solution of the network for each event. Solutions were performed allowing tap adjustment and area slack bus adjustment. Phase shifters were locked. For the contingencies, rating 2 or the LTE rating was used.

Initially all branches in CL&P, STA SER, CMEEC, WALLINGFORD, UI and UI LOAD, zones 172, 178, 179, 185 and 186 respectively were monitored for overloads. Voltages at buses with base voltages above 69 kV in these zones plus CT LD-MA and CT LD-NY, zones 173 and 174, respectively were also monitored. Initially, branches and voltages in Rhode Island, zone 154 were not monitored; therefore, zone 154 was added to the monitor file and ACCC rerun for the pre-project pk1b case and the post-project pk22b case only because these cases seemed the most stressful.

Voltages greater than 115 kV were flagged whenever they were less that 0.95 per unit, greater than 1.05 per unit, or if they deviated from their initial value by more that 0.1 per unit. Voltages 115 kV or lower were flagged whenever they were less that 0.93 per unit, greater than 1.05 per unit or if they deviated from their initial value by more that 0.1 per unit for the Connecticut system. Busses in zone 154 were flagged whenever they were less that 0.90 per unit and greater than 1.05 per unit The Millstone voltage was monitored for 1.0 to 1.05 per unit.

The studies were performed to ensure compliance with the Northeast Utilities (NU) Transmission Reliability Standards. The NU facilities which are part of the interconnected NEPOOL bulk power system are designed and operated in accordance with NERC Planning Standards, NPCC Criteria for Design and Operation of Interconnected Power Systems and NEPOOL Reliability standards.

3. Interconnection

Northeast Utilities considered a number of different system modifications to relieve overloads and to bring voltages inside their criteria range. However, many of these solutions require the building of transmission lines. Since the reliability problem exists now, and time is of the essence, solutions not requiring line additions would be quickest. Hence, a non-transmission line addition solution, an autotransformer is the focus of this report.

Three locations, Brooklyn, Tracy, and Lake Road, were identified as potential locations for the addition of an autotransformer. Placing an autotransformer in the northeast Connecticut corridor would provide access to power being imported from the east and improve reliability of service to the eastern Connecticut region overall. The Lake Road site is limited on real estate and would require building115-kV lines over Interstate 395, so this option was not studied further. Similar results were seen between cases with an autotransformer at Brooklyn or at Tracy. The Brooklyn Substation would require a major expansion, including the construction of a 345-kV line for about a half mile so as to bring the 330 line into the substation. In contrast to the Brooklyn site, the Tracy Substation has the 345-kV 347 line passing right next it. Also, the Tracy Substation has both the 115-kV 1505 and 1607 lines currently terminate there. Therefore, Tracy Substation is being proposed as the preferred location for the addition of a 345/115-kV autotransformer.

4. Case and Contingency Descriptions

The primary power flow case used is from the 2003 FERC 715 library. The NEPOOL load is scaled to model a 2006 extreme summer peak load level (90/10) of approximately 27,900 MW based on the 2003 CELT Report.

Three peak load, power flow cases are used for this study. In all the peak power flow cases the Connecticut import is maintained at 2200 MW. The following generators are either in or out of service to test the reliability of service in the Eastern Connecticut area;

	Dispatch Variations		
Generator	B	C	D
EXETER	OFF	ON	ON
SCRRA	OFF	ON	ON
TUNNEL	OFF	ON	ON
LISBON	OFF	ON	ON
AES THAMES	ON	OFF	ON
MONTVILLE 5 & 6	OFF	OFF	ON

All peak power flow cases saved ending with the letters B, C or D will have the unit statuses as listed above. The original base cases are pk1b, pk1c and pk1d; their summaries appear in Appendix B, Tables 1, 2, and 3 respectively. One-line diagrams, of the 345 kV NEPOOL system and the 115-kV eastern Connecticut region appear in Appendix A, Figures A1B1, A1B2, A1C1, A1C2, A1D1 and A1D2.

A light load power flow case from the 2003 FERC 715 library was also studied. The NEPOOL load and losses is scaled to model a 2006 light load level of approximately 11,700 MW, based on the 2003 CELT Report. Dispatches for a 2200 MW Connecticut import and a 2200 MW export were created for the light load case. Light load cases are identified with a preface of slht. Import cases are designated with the letter B and export cases with the letter C. The light load case summaries appear in Appendix B, Tables 4 and 5. One-line diagrams, figures A2B1, A2B2, A2C1 and A2C2 contained in Appendix A, show the flows on the 345 kV NEPOOL system and the Eastern Connecticut region for the two base cases.

All the case summaries appear in Appendix B.

The contingencies used to test the performance of eastern Connecticut are listed in Table 1, on the next page. Note that the pre-project cases are set up with the Tracy autotransformer high-side bus in the case. This way the same contingencies can be used for testing with the autotransformer in-service. For example the 347LINE contingency removes the Sherman to Tracy to Lake Road elements. Simulating this same contingency with the Tracy autotransformer in-service will simulate a Tracy 345-kV stuck breaker, and also covers for the contingency of loss of 347W since the Tracy 345-kV breaker would open and no power would flow on the 347 line from Rhode Island to Connecticut.

Table 1 - Contingencies Tested

115kV Single	Description	12 Character PSS/E description	Comments
100	Montville - Gales Ferry	100LINE	
400	Gales Ferry - Buddington - Tunnel	400LINE	
500	Tunnel - SCRRA	500LINE	
800	Card - Mansfield	800LINE	
900	Card - Mansfield - Skungamaug	900LINE	
1000	Montville - BeanHill - Dudley	1000LINE	
1070/1490	Fort Hill Farms - Stockhouse - Card	1490-1070LNS	
1080	Card - Montville - Tunnel - Lisbon	1080LINE	
1090	Montville - FortHillFarms	1090LINE	
1210	Card - Willimantic	1210LINE	
1220	Card - Willimantic	1220LINE	
1235	Montville - Uncasville	1235LINE	
1250	Montville - Uncasville	1250LINE	
1280	Montville - Mystic - Buddington	1280LINE	
1410	Montville - Buddington	1410LINE	
1465	Mystic -Shunock - 1 Shunock dst	1465LINE	
1500	Montville - Flanders -Williams	1500LINE	
1505	Tunnel - FryBrook - Brooklyn - Tracy	1505LINE	
1605	Montville - Flanders -Williams	1605LINE	
1607	Tunnel - Frybrook - Exeter - Tracy	1607LINE	
1675	Tunnel - Bean Hill	1675LINE	
1870S	Shunock -WoodRiver- 1 Shunock dst	1870SLINE	
1870	WoodRiver - Kenyon	1870LINE	
1870N	Kenyon - WestKingston	1870NLINE	
330-SPS	Loss of 330 line results in 1870S being tripped	330&SPS	
347-SPS	Loss of 347 line results in 1870S being tripped	347&SPS	
G185S	WestKingston - Kent - OBR - Davis	G185S	

DCT			
1000+1070/1490	Montville-BeanHill-Dudley + Fort Hill Farm-Stockhouse-Card	1000-1070DCT	
1000+1080	Bean Hill - Dudley - Montville + Card - Tunnel - Montville	1000-1080DCT	
1000+1090	Montville-BeanHill-Dudley + Montville - Fort Hill Farms	1000-1090DCT	
1080+1280	Card-Montville-Lisbon-Tunnel + Montville-Buddington-Mystic	1080-1280DCT	
1080+1070/1490	Card-Montville-Lisbon-Tunnel + Fort Hill Farm-Stockhouse-Card	1080-1070DCT	
1080+1675	Card-Montville-Lisbon-Tunnel + Bean Hill - Tunnel	1080-1675DCT	
1280+1465	Montville-Buddington-Mystic + Mystic-Shunock&1 dst	1280-1465DCT	
1505+1607	Tunnel-Frybrook-Brooklyn-Tracy + Tunnel-Frybrook-Exeter-Tracy	1505-1607DCT	
100+1410	Montville - Gales Ferry + Montville - Buddington	100-1410DCT	
800+900	Card - Mansfield + Card - Mansfield - Skungamaug	800-900DCT	

115kV STKBRK			
100-400	Gales Ferry 1T	100-400STB	
400-500	Tunnel 69kV	400-500STB	69-kV only
400-Tunnel Auto	Tunnel 115/69KV	400TUNASTB	69-kV only
800 -Load	All Mansfield load	800-LOADSTB	

115kV STKBRK	Description	12 Character PSS/E description	Comments
900-Load	Partial Mansfield load	900-LOADSTB	
1000-1675	Bean Hill	1000-1675STB	
1080-1607	Tunnel	1080-1697STB	
1080-1210-Dis	Card	1080-1210-DS	
1080-1220-Dis	Card	1080-1220-DS	
1210-Dis Trf	Willimantic	1210-DTRFSTB	
1220-Dis Trf	Willimantic	1220-DTRFSTB	
1505-1675	Tunnel	1505-1675STB	
1235-1090	Montville	1235-1090STB	
1000-1250	Montville	1000-1250STB	
1080-1605	Montville	1080-1605STB	
1280-1500	Montville	1280-1500STB	
1410-Mntvl#6	Montville #6	1410-MNT6STB	
1000-345/115	Montville - BeanHill - Dudley + Montville 345/115	1000-345/115	
1090-345/115	Montville 345/115	1090-345/115	
1080-345/115	Montville 345/115	1080-345/115	
1280-345/115	Montville 345/115	1280-345/115	
1410-345/115	Montville 345/115	1410-345/115	
1235-345/115	Montville 345/115	1235-345/115	
1250-345/115	Montville 345/115	1250-345/115	
1605-345/115	Montville 345/115	1605-345/115	
1500-345/115	Montville 345/115	1500-345/115	
MNT6-345/115	Montville 345/115	MON6-345/115	
MNT5-345/115	Montville 345/115	MON5-345/115	
AES-345/115	Montville 345/115	AES-345/115	
Mntvl#5-Auto	Montville #5 + Montville 115/69	MON5-AUTO	69-kV only
1080-Tunnel Auto	Card - Montville - Tunnel - Lisbon + Tunnel 115/69	1080-AUTO	
1675-Tunnel Auto	Tunnel - Bean Hill + Tunnel 115/69	1675-AUTO	
800 - Card Auto	Card	800-AUTO	
900 - Card Auto	Card	900-AUTO	
1210-1490	Card 115	1210-1490/1070	
1210-Auto	Card 115	1210-AUTO	
1220-Auto	Card 115	1220-AUTO	
1490-345/115	Card 115	14901070T345	
Auto-345/115	Card 115	CARDTRANSFOR	
100-Mntvl#5	Montville #5 + Montville - Gales Ferry	100-MON5	115-kV only
100 - Mont Auto	Montville - Gales Ferry + Montville 345/115	100-MONAUTO	115-kV only
400-Tun 115/69Au	GalesFerry - Buddington - Tunnel + Tunnel 115/69	400-TUNTR	115-kV only
400 -Tunnel Load	GalesFerry - Buddington - Tunnel + Tunnel load	400-TUNNLOAD	115-kV only

345kV Single			
301/302	Ludlow-CarpenterHill-Millbury	301-302	
310	Millstone - Manchester	310LINE	
328(NEP)	Sherman Road - N.Smith	328LINE(NEP)	
336(NEP)	Sherman Road - ANP 336	336LINE(NEP)	
347	Lakeroad - Sherman	347LINE	
347 units	Lakeroad - Sherman with Lake Road units	347-LKRD	

345kV Single	Description	12 Character PSS/E description	Comments
347E	Sherman-Tracy	347E	
348	Millstone - Haddam - Southington	348AUTO	
330	Card w/Auto - Lake Road	330LINE	
330 units	Card w/Auto - Lake Road & Lake Road units	330-LKRD	
362	Haddam Neck - Meriden	362LINE	
364	Montville w/Auto - HaddamNeck	364LN&AUTO	
368	Card - Manchester	368LINE	
371	Milstone - Montville w/Auto	371LN&AUTO	
376	Haddam Neck - Scovill Rock	376LINE	
379	Scobie-Amherst-VY	379LINE	
383	Millstone -Card	383LINE	
393	Northfield-Berkshire-Alps	393LINE	
395	Manchester – N.Bloomfield - Ludlow	395LINE	
398	Long Mtn – Pleasant Valley	398LINE	

345kV DCT			
310+348	Millstone - Manchester + Millstone-Haddam-Southington	310-348DCT	
310+368	Millstone - Manchester + Card - Manchester	310-368DCT	
371+383	Millstone - Montville + Millstone - Card	371-383DCT	

345kV STKBRK			
301/302-395	Ludlow 3T	LUDLOW3TSTB	
301/302-354	Ludlow 5T	LUDLOW5TSTB	
310-395	Manchester 21T	MANCHSTBKR	
383-368	Card 2T	CARD2TSTBKR	
310-MP2	Millstone 8T	MILS8TSTBKR	
348-MP3	Millstone 14T	MILS14TSTBKR	
330-383	Card 3T w/auto + Lake Road units	CARD3TSTBKR	
330-368	Card 1T w/auto + Lake Road units	CARD1TSTBKR	
364-371	Montville 1T	MONTV1STBKR	
364-376	Haddam Neck	H.NECK376STB	
364-362	Haddam Neck	H.NECK362STB	
348-Auto	Southington	SOUTHI348STB	
310-Auto	Manchester	MANCHE310STB	
368-Auto	Manchester	MANCHE368STB	
347E&W	Sherman-Tracy-LR	347	
336-347	Sherman Road	SHERMANRDSTB	

Gens			
Millstone 3		LOSSMP3	
Millstone 2		LOSSMP2	
Lake Road		LOLAKERD	
AES Thames		LOSSAES	
Montville 5		LOSSMON5	
Montville 6		LOSSMON6	

Xfmrs			
115/69	Montville	MONTVILLAUTO	69-kV only
115/69	Tunnel	TUNNELAUTO	
345/115	Montville	MONTL345/115	
115/69	Card	CARDAUTO	

5. Transfer Analysis

A Connecticut import transfer analysis was performed using the PTI software package Managing and Utilizing System Transmission (MUST) Revision 6.1. What MUST does is it very quickly calculates a first contingency incremental transfer capability (FCITC), by use of a dc power flow. Contingencies are modeled using linear compensation methods. When MUST starts, it computes the database of contingencies compensation factors (CFAX), which is similar to the factors computed by Activity DFAX in PSS/E. The FCITC calculation measures the maximum increase in transfer that can take place between two selected subsystems without violating branch ratings or interface limits during contingencies. The FCITC reports contain an ordered list of limits for monitored element / contingency pairs. The FCITC reports are sorted with the smallest, most restrictive, limit appearing first. Study transfer levels at which branch and interface limits are reached for the base case conditions are also listed in the FCITC report.

The first column "N" in the report is a violation counter inside MUST. An NA in this column denotes a situation in which a base case violation is improved by the transfer, and an R will show beside it. Due to skipping the reporting of violations above the maximum reported, ten in this case, there may be a skip in the number under "N".

The next column, with header FCITC, contains incremental transfer levels between study systems where a monitored element or interface reaches its limit for a specified contingency. The FCITC reports are sorted by ascending FCITC values. Transfers lower than reported in the first-row transfer levels would not violate the rating of any branch specified as a monitored element or the limit of any specified interface or flow-gate.

The next column designates the limiting monitored element (L:) and limiting contingency (C:). The same monitored element may be reported several times under different contingencies. The number of entries that a particular monitored element is associated with is limited to the maximum number specified in the MUST options, ten in this report. If this limit is reached, the last entry will be marked with an asterisk (*). Base case limits are always reported, unless excluded by choice of MUST option, even if the number of entries for a particular monitored element is exceeded. An "R" before the "L" or "C" denotes a violation removed or improved by the transfer.

The Ncon column provides a contingency index that can be used to identify this contingency within the various MUST activities and reports.

The Pre-Shift Flow column contains the post-contingency flows on the monitored elements under the specified contingency at the base or initial transfer level. The sign in MW Limit indicates the direction of flow for the limiting element. A positive limit indicates flow from the FROM bus to the TO bus for limiting branches. For interfaces, a positive limit indicates the total positive flow from interface FROM buses. A negative sign (-) indicates the opposite flow direction.

The Outage Transfer Distribution Factor (OTDF) column contains OTDF for the contingency limiting constraints, while the Power Transfer Distribution (PTDF) column contains the base case distribution factors of the current study transfer on the reported limiting constraints and contingency branches.

The Line Outage Distribution Factor (LODF) column contains LODF of a single branch contingency on the monitored element. PTDF column contains the distribution factor for the study transfer on the reported element or contingency.

The remaining two columns provide pre-contingency flow on the limiting element and contingency branch at a base case study transfer level and at the transfer level equal to the FCITC value (e.g., when the monitored element or the interface reaches its limits for the reported contingency).

FCITC reports from MUST and PSS/E Activity TLTG should, in most cases, produce identical or near identical results. All PTDF, LODF, and OTDF factors should always be very close, normally with the first three to four valid digits being identical. However, from time to time the user may see 10-50 MW differences in reported FCITC values. The following text lists some rare cases when a user might see some differences between MUST and PSS/E results:

A. If initial branch flows are obtained using AC load flow, then initial starting flows may differ by AC load flow tolerance. MUST and PSS/E use different load flow solution algorithms. This difference (normally 1 to 2 MW) may amplify the difference in FCITC values for constraints with low response factors to study transfer changes. For example, an initial flow difference of 1 MW for a constraint with a 0.02 response factor will result in a 50 MW FCITC change (1/0.02 = 50). For larger response factors, the difference is much less.

B. In contingencies different from single/double branch outage, MUST and PSS/E use slightly different logic to compensate for loss changes. For example, if contingency results in an island, MUST will add island losses to the total power mismatch, while PSS/E ignores these losses.

A total of eight cases were prepared and tested for the MUST analysis; pre- and post Tracy autotransformer combinations with Lake Road generation on and off and with different East-West, SEMA/RI, and Connecticut Import interface levels. The #2 and #3 series of cases have similar interface transfers as that of the Pk22B case. The #4 and #5 series of cases have a simultaneously stressed interfaces; CT Import, E-W, and SEMA/RI. One-line plots of the cases appear in Appendix A, Tables A.22B-2 through A.22B-5A. Each case plot can be viewed by following the "plot" link in Table 5.1. The case summaries appear in Appendix B, Tables B.7 through B.14. Each case summary can be viewed by following the case name links in Table 5.1.

Table 5.1 – MUST Case Description

Case	Tracy Auto	Lake Road	CT Import	SEMA/RI	E-W
Pk22B-2 Plot	Tracy Auto OOS	Lake Road Off	2184	1683	946
Pk22B-2A Plot	Tracy Auto		2180	1686	945
Pk22B-3 Plot	Tracy Auto OOS	Lake Road On	2189	1641	596
Pk22B-3A Plot	Tracy Auto		2186	1645	589
Simultaneously Stressed Interfaces					
Pk22B-4 Plot	Tracy Auto OOS	Lake Road Off	2194	3028	2405
Pk22B-4A Plot	Tracy Auto		2190	3031	2397
Pk22B-5 Plot	Tracy Auto OOS	Lake Road On	2205	3003	2412
Pk22B-5A Plot	Tracy Auto		2202	3007	2403

The study transfer is from the SEMARI_G subsystem to the CT_Gens subsystem. The East-West, SEMA/RI and Connecticut Import interface definitions appear in Appendix F, Table F.1. The subsystem definitions appear in Appendix G, Table G.1.

6. Performance Evaluation

6.1. Base Cases

The ACCC results for the three base cases appear in Appendix C. Many of the contingencies result in overloaded lines or low unacceptable voltages. Most of the buses in the eastern Connecticut region drop below 0.93 per unit. The double circuit tower loss of the Card – Montville – Tunnel 1080 line with either the Montville – Bean Hill 1000 line or the Bean Hill – Tunnel 1675 results in the network not converging. This non-convergence is most likely caused by a voltage collapse in the 115-kV eastern Connecticut area. Many of the overloads will result in the lines being tripped and could also result in voltage collapse if significant load is not shed. A summary of these results appear in Table 6.1A and Table 6.1B, on the next page.

Table 6.1A – Pre-Project ACCC Thermal Results Summary

Case	Contingency	From Bus	To Bus	Pre-load MW	Post-load MW	LTE Rating	% LTE
Pk1b	MONTV1TSTBKR	CARD	CARD	277.8	599.2	536.0	111.8
Pk1b	MONTV1TSTBKR	CARD	STKHOUSE	49.6	176.5	186.0	96.9
Pk1b	1280LINE	DAVIST85	W.KINGST	147.1	231.6	218.0	109.7
Pk1b	1280LINE	DAVIST85	KENT CO	183.6	268.0	286.0	96.8
Pk1b	1080-1607STB	DUDLEY T	BEAN HLL	97.0	240.9	228.0	119.7
Pk1b	330-LKRD	KENT CO.	KENT CO	397.1	455.0	449.0	101.3
Pk1b	100-1410DCT	LEDYARDJ	TUNNEL	9.1	45.5	41.0	116.9
Pk1b	1080-1607STB	MONTVLLE	DUDLEY T	104.8	251.1	183.0	152.8
Pk1b	MONTV1TSTBKR	WAWECSJ	CARD	84.2	229.1	181.0	133.3
Pk1b	1000-1080DCT	Non Converged					
Pk1b	1080-1675DCT	Non Converged					
Pk1c	1000-1080DCT	Non Converged					
Pk1c	1080-1675DCT	Non Converged					
Pk1c	MONTV1TSTBKR	Non Converged					
Pk1d	1000-1080DCT	Non Converged					
Pk1d	1080-1675DCT	Non Converged					

Table 6.1B – Pre-Project ACCC Voltage Results Summary

Case	Contingency	Bus #	Bus Name	Vbase	Cont Vpu	Init Vpu
Pk1b	1080-1607STB	73612	BEAN HLL	115	0.8831	0.9923
Pk1b	1080-1607STB	73270	BROOKLYN	115	0.6548	0.9561
Pk1b	14901070T345	73215	CARD	115	0.8853	1.0059
Pk1b	14901070T345	73347	CARD	69	0.9204	1.0001
Pk1b	1505-1675STB	73281	EXETR PF	115	0.8672	0.9649
Pk1b	1080-1607STB	73229	FRY BR07	115	0.6158	0.9658
Pk1b	1080-1607STB	73236	FRYBR05	115	0.7121	0.9646
Pk1b	MONTV1TSTBKR	73276	LISBN PF	115	0.9272	0.9838
Pk1b	14901070T345	73349	MANSFLD	69	0.9056	0.9875
Pk1b	MILS14TSTBKR	73110	MILLSTNE	345	0.9901	1.0350
Pk1b	1080-1607STB	73616	SCRRA PF	69	0.9045	1.0010
Pk1b	14901070T345	73350	SKUNGAMG	69	0.9028	0.9849
Pk1b	1080-1607STB	73212	TRACY	115	0.6223	0.9533
Pk1b	1080-1607STB	73213	TUNNEL	115	0.8146	0.9805
Pk1b	1080-1607STB	73617	TUNNEL	69	0.9045	1.0009
Pk1b	14901070T345	73209	WILLMNTC	115	0.8846	1.0054
Pk1b	1000-1080DCT	Non Converged				
Pk1b	1080-1675DCT	Non Converged				
Pk1c	1000-1080DCT	Non Converged				
Pk1c	1080-1675DCT	Non Converged				
Pk1c	MONTV1TSTBKR	Non Converged				
Pk1d	1000-1080DCT	Non Converged				
Pk1d	1080-1675DCT	Non Converged				

For the 347-line contingency, one-line plots appear in Appendix E, Figures E.1 through E4. Figure E.1 shows the MW, Mvar power flow for the 347-line+Lake Road contingency. Figure E2 shows the 347-line+Lake Road contingency with 1870-line SPS actuation. Figures E.3 and E.4 show MVA, % Rate B power flow for the same contingencies, respectively.

6.2. Tracy Autotransformer Evaluation

A 345/115 kV autotransformer was placed at Tracy in the pk1b case, which now becomes the Pk22B case. The Pk22B case summary appears in Appendix B, Table B.6. The size of the transformer (3 single phase 200 MVA units) is identical to the transformer that NU has planned for the Haddam Substation. This size transformer is also planned for southwest Connecticut. The Lake Road – Sherman 347 line passes by the Tracy Substation and was tapped and connected to the autotransformer. Rather than creating a 3-terminal line for which it will be difficult to provide protection, a single 345-kV circuit breaker was assumed on the section of the line to Sherman. Simulations were executed with this Tracy transformer. The ACCC results with these modifications are contained in Appendix D. The Tracy 345 kV and HADAUTO low voltage flags can be ignored because these flags result only when the transformers at these locations are not connected to the 345-kV lines and there is no flow in the transformer. In the light load case simulation of Connecticut export, the Card to Stockhouse Road section of the 1490 line overloads to 118% of its LTE rating when the CARD 2T 345 kV breaker sticks. With the addition of a 345 kV breaker at the Card Substation all overloads are relieved for all the contingencies. The WILLMNTC 115 and CARD 115 voltages are flagged as being just below 0.93 per unit for the 14901070T345 contingency. This contingency is a stuck breaker which results in losing the Card 345/115 kV auto transformer in addition to the 1490 and 1070 lines.

Table 6.2A – Post-Project Peak ACCC Thermal Results Summary

Case	Contingency	From Bus	To Bus	Pre-load MW	Post-load MW	LTE Rating	% LTE
Pk22b	1280LINE	DAVIST85	KENT CO	166.5	267.7	286	96.8
Pk22b	1280LINE	DAVIST85	W.KINGST	130.0	231.0	218	109.6
Pk22b	1280-1500STB	KENT CO.	KENT CO	381.5	447.3	449	99.6

Table 6.2B – Post Project Peak ACCC Voltage Results Summary

Case	Contingency	Bus #	Bus Name	Base kV	Cont Vpu	Init Vpu
Pk22b	14901070T345	73209	WILLMNTC	115	0.9261	1.0021
Pk22b	14901070T345	73215	CARD	115	0.9266	1.0026

6.3. Transfer Analysis Performance

The MUST FCITC results were screened and summarized with the results appearing in Table 6.3, below. The full MUST FCITC output can be viewed by following the links in Table 6.3. Screening out the limiting elements in Rhode Island, Kent County to West Kingston to Kenyon, the results in Table 6.3 show the limiting elements in Connecticut only. With the proposed addition of a 345-kV circuit breaker at the Card Substation, in series with the existing 2T breaker, thus eliminating the 2T stuck breaker scenario, more than one FCITC is listed if a FCITC was a Card 2T stuck breaker contingency. A negative FCITC entry in the table reflects a first contingency violation in the base transfer case. This negative value is equal to the incremental reduction in transfer level where a particular monitored element is no longer limiting. For example, in case Pk22b-3, the CT import would need to be reduce by about 280 MW in order to eliminate the Card-Wawecus 1080 line overload for the Card 2T stuck breaker contingency.

Non-Simultaneously Stressed Interface Results

In the pre-Tracy autotransformer case with Lake Road off, the FCITC is 453 MW, and with Lake Road on the FCITC is -280 MW, which is about a 630 MW negative impact in the CT import capability. In contrast to the pre-Tracy autotransformer cases with Lake Road on and

off, the post-Tracy autotransformer cases show an increase in the CT import capability by about 400 MW.

Simultaneously Stressed Interface Results
The CT import is significantly reduced in the base case, by about 875 MW, when comparing the pre-Tracy autotransformer case with Lake Road off, -348 MW, to the case with Lake Road on, -1222 MW. The Tracy autotransformer addition has a positive impact by turning the 875 MW reduction into only a 300 MW reduction in the CT import capability (-348 MW to -42 MW).

The Haddam Neck breaker failure contingencies, in the Pk22b-5A case, cause more of a Millstone generation export problem than they do a CT import problem. Ignoring these two contingencies and the Card 2T breaker failure, since we propose to double–up the Card 2T breaker, the Tracy autotransformer takes a -1222 MW FCITC and turns it into a +320 MW FCITC.

Overall, the Tracy autotransformer has a net positive effect on the CT import capability.

Table 6.3 – MUST Transfer Analysis Results

FCITC Case	FCITC		Limiting Element	Line #	Contingency	Tracy Auto	Lake Road
Pk22B-2	#1	453	Card-Wawecus J	1080	CARD2TSTBKR	OOS	Off
	#2	483	Ludlow-Meekvl J	395	347+LR+1870SPS		
Pk22B-2A	#1	491	Ludlow-Meekvl J	395	347+LR+1870SPS	In-Service	
Pk22B-3	#1	-280	Card-Wawecus J	1080	CARD2TSTBKR	OOS	On
	#2	861	Card-Lake Road	330	LUDLOW5TSTB		
Pk22B-3A	#1	893	Ludlow-Meekvl J	395	347+LR+1870SPS	In-Service	
Simultaneous Stressed Interfaces							
Pk22B-4	#1	-348	Card-Wawecus J	1080	CARD2TSTBKR	OOS	Off
	#2	34	CT/RI-Sherman	347	LUDLOW5TSTB		
Pk22B-4A	#1	-79	CT/RI-Sherman	347	LUDLOW5TSTB	In-Service	
	#2	-109	CT/RI-Sherman	347	LUDLOW3TSTB		
Pk22B-5	#1	-1222	Card-Wawecus J	1080	CARD2TSTBKR	OOS	On
	#2	-744	Card345-Card115	auto	CARD2TSTBKR		
	#3	-503	Card-Stkhouse	1490	CARD2TSTBKR		
	#4	-182	Card-Lake Road	330	LUDLOW5TSTB		
Pk22B-5A	#1	-42	Millstone-HadAuto	348	H.NECK376STB	In-Service	
	#2	-17	Millstone-HadAuto	348	H.NECK362STB		
	#3	12	Card-Stkhouse	1490	CARD2TSTBKR		
	#4	277	Card-Wawecus J	1080	CARD2TSTBKR		
	#5	321	Card-Lake Road	330	LUDLOW5TSTB		

7. Short Circuit

In accordance with ISO-NE and NEPOOL criteria, the short circuit study was done with all existing generation and proposed generation in the area with NEPOOL Section 18.4 approval in service. The model also includes the Bethel to Norwalk project in southwest Connecticut.

Two cases were developed and reviewed. The first study case was simulated with the existing transmission configuration. The second study case includes the Tracy autotransformer.

The circuit breaker duties and ratings were calculated using the ASPEN Breaker Rating Module software package.

The largest increase in short circuit current is seen at the Tracy Substation(~11,000 A), followed by the Tunnel Substation (~4000 A), and then Montville (1400 A). The Tracy autotransformer addition does not cause any NU circuit breaker to exceed its capability. Therefore, the Tracy autotransformer does not require any circuit breaker upgrades.

The circuit breaker duties appear in Table 7.1 for the per-project and in Table 7.2 for the post-project. Table 7.2 includes a column with the delta between the post- and pre-project short circuit current.

Table 7.1 – Eastern Connecticut Pre-Tracy Autotransformer Project

BREAKER	DUTY (%)	DUTY (A)	BKR CAPA (A)	Isc (A)	ANSI X/R
TRACY 115 kV					
14M-1T-2	21.8	5193	23857	4793	10.3
Lake Road 345 KV					
27E-1T-2	51.7	25867	50000	22347	30.1
27E-2T-2	47.3	23635	50000	20419	30.1
27E-3T-2	51.7	25867	50000	22347	30.1
27E-5T-2	51.7	25867	50000	22347	30.1
27E-6T-2	51.7	25867	50000	22347	30.1
27E-7T-2	51.7	25867	50000	22347	30.1
27E-8T-2	47.3	23735	50000	20418	30.1
27E-9T-2	51.7	25867	50000	22347	30.1
TUNNEL 115 kV					
12S-1T-2	57.8	13427	23212	12509	9.8
12S-2T-2	49.5	12436	25102	11335	11.0
12S-3T-2	53.6	12436	23212	11335	11.0
12S-4T-2	55.5	13552	24402	12582	10.0
12S-5T-2	54.0	13552	25102	12582	10.0
TUNNEL 69 kV					
12S-10T-2	81.8	10834	13239	10834	2.8
12S-11T-2	77.7	10283	13239	10283	2.8
12S-14T-2	63.2	8365	13239	8365	3.6
12S-15T-2	81.8	10834	13239	10834	2.8
BEAN HILL 115 kV					
18N-1T-2	29.4	7369	25102	7291	5.5
CARD 115 kV					
11F-10T-2	40.0	21657	54180	21657	3.3
11F-11T-2	70.6	24775	35084	21750	3.3
11F-12T-2	70.6	24775	35084	21750	3.3
11F-13T-2	74.8	24775	33126	21750	3.3
11F-14T-2	72.5	21973	30298	19290	3.3
11F-15T-2	69.3	24775	35737	21750	3.3
11F-16T-2	74.8	24775	33126	21750	3.3
CARD 345 kV					
11F-1T-2	31.6	15807	50000	15807	14.6
11F-2T-2	32.3	16160	50000	16160	15.0
11F-3T-2	32.3	16160	50000	16160	15.0
MONTVILLE 115 kV					
4J-10T-2	89.9	56650	63000	49083	24.2
4J-11T-2	80.7	50866	63000	49083	24.2
4J-12T-2	68.7	43287	63000	41124	25.9
4J-13T-2	84.9	53503	63000	48489	24.5
4J-14T-2	85.8	54059	63000	49093	24.2
4J-15T-2	85.8	54059	63000	49093	24.2
4J-16T-2	84.4	53201	63000	48181	24.5
4J-17T-2	85.8	54059	63000	49093	24.2
4J-18T-2	85.8	54059	63000	49093	24.2
4J-18X3-2	86.6	43298	50000	41139	25.9
4J-19T-2	85.2	53706	63000	48726	24.3
4J-19X3-2	86.6	43289	50000	41127	25.9
4J-20T-2	85.8	54058	63000	49091	24.2
4J-21T-2	85.8	54058	63000	49091	24.2
4J-22T-2	84.0	52897	63000	47782	24.8

BREAKER	DUTY (%)	DUTY (A)	BKR CAPA (A)	Isc (A)	ANSI X/R
4J-23T-2	85.8	54058	63000	49091	24.2
4J-24T-2	85.8	54058	63000	49091	24.2
4J-4T-2	80.7	50828	63000	44308	24.2
4J-5T-2	80.7	50828	63000	44038	24.2
4J-7T-2	85.4	53811	63000	48830	24.3
4J-8T-2	85.4	53811	63000	48830	24.3
4J-9T-2	81.7	51449	63000	46722	24.2
MONTVILLE 345 kV					
4J-1T-2	43.6	16147	37000	16147	21.1
GALES FERRY 69 kV					
11B-1T-2	45.6	6037	13239	6037	9.2

Table 7.2 – Eastern Connecticut Post-Tracy Autotransformer Project

BREAKER	DUTY (%)	DUTY (A)	BKR CAPA (A)	Isc (A)	ANSI X/R		Δ Isc (A)
TRACY 115 kV							
14M-1T-2	90.8	21660	23857	15701	31.6		10,908
Lake Road 345 kV							
27E-1T-2	53.5	26731	50000	23147	29.6		800
27E-2T-2	49.0	24504	50000	21219	29.6		800
27E-3T-2	53.5	26731	50000	23147	29.6		800
27E-5T-2	53.5	26731	50000	23147	29.6		800
27E-6T-2	53.5	26731	50000	23147	29.6		800
27E-7T-2	53.5	26731	50000	23147	29.6		800
27E-8T-2	49.0	24503	50000	21219	29.6		801
27E-9T-2	53.5	26731	50000	23147	29.6		800
TUNNEL 115 kV							
12S-1T-2	68.2	15820	23212	14716	9.8		2,207
12S-2T-2	66.9	16786	25102	15161	11.5		3,826
12S-3T-2	72.3	16786	23212	15161	11.5		3,826
12S-4T-2	64.9	15838	24402	14677	10.1		2,095
12S-5T-2	63.1	15838	25102	14677	10.1		2,095
TUNNEL 69 kV							
12S-10T-2	90.0	11913	13239	11913	2.6		1,079
12S-11T-2	85.8	11361	13239	11361	2.6		1,078
12S-14T-2	70.9	9386	13239	9386	3.3		1,021
12S-15T-2	90.0	11913	13239	11913	2.6		1,079
BEAN HILL 115 kV							
18N-1T-2	29.5	7394	25102	7317	5.5		26
CARD 115 kV							
11F-10T-2	40.2	21776	54180	21776	3.3		119
11F-11T-2	71.0	24922	35084	21869	3.3		119
11F-12T-2	71.0	24923	35084	21870	3.3		120
11F-13T-2	75.2	24923	33126	21870	3.3		120
11F-14T-2	72.9	22092	30298	19386	3.3		96
11F-15T-2	69.7	24923	35737	21870	3.3		120
11F-16T-2	75.2	24923	33126	21870	3.3		120
CARD 345 kV							
11F-1T-2	31.6	15820	50000	15820	14.6		13
11F-2T-2	32.4	16187	50000	16187	15.0		27
11F-3T-2	32.4	16187	50000	16187	15.0		27
MONTVILLE 115 kV							
4J-10T-2	92.0	57942	63000	50378	23.8		1,295
4J-11T-2	82.5	51985	63000	50378	23.8		1,295
4J-12T-2	70.7	44536	63000	42549	25.3		1,425
4J-13T-2	86.8	54712	63000	49782	24.0		1,293
4J-14T-2	87.7	55272	63000	50392	23.8		1,299
4J-15T-2	87.7	55272	63000	50392	23.8		1,299
4J-16T-2	85.7	53972	63000	49029	24.2		848
4J-17T-2	87.7	55272	63000	50392	23.8		1,299
4J-18T-2	87.7	55272	63000	50392	23.8		1,299
4J-18X3-2	89.1	44547	50000	42563	25.3		1,424
4J-19T-2	86.5	54467	63000	49542	24.0		816
4J-19X3-2	89.1	44538	50000	42551	25.3		1,424
4J-20T-2	87.7	55270	63000	50391	23.8		1,300
4J-21T-2	87.7	55270	63000	50391	23.8		1,300
4J-22T-2	85.9	54093	63000	49063	24.4		1,281

BREAKER	DUTY (%)	DUTY (A)	BKR CAPA (A)	Isc (A)	ANSI X/R		Δ Isc (A)
4J-23T-2	87.7	55270	63000	50391	23.8		1,300
4J-24T-2	87.7	55270	63000	50391	23.8		1,300
4J-4T-2	82.7	52102	63000	45301	23.8		993
4J-5T-2	82.7	52102	63000	45301	23.8		1,263
4J-7T-2	87.3	54968	63000	50064	23.9		1,234
4J-8T-2	87.3	54968	63000	50064	23.9		1,234
4J-9T-2	83.6	52657	63000	48009	23.8		1,287
MONTVILLE 345 kV							
4J-1T-2	43.8	16220	37000	16220	21.1		73
GALES FERRY 69 kV							
11B-1T-2	45.7	6053	13239	6053	9.1		16

8. Conclusion

In the pre-project cases, many of the contingencies result in overloaded lines or low unacceptable voltages. Most of the buses in the eastern Connecticut region drop below 0.93 per unit. Seven contingencies result in non-convergent power flow cases.

With the Tracy autotransformer addition, all cases converged and no thermal overloads or voltage violations were reported, except for one contingency where voltage at Willimantic and Card 115-kV is just below 0.93 per unit. Based on these results, the following system modifications are required:

- Split the existing 345-kV Sherman to Lake Road 347 line terminating the ends at Tracy 14M Substation. The circuit breaker addition on the Tracy – Sherman 345-kV 347 line was done in order to maintain two terminal protection schemes. This is desirable since the terminal at Tracy will be relatively weak. A more costly protection scheme using communication capabilities with a differential scheme could be employed; however, it is not required. Besides breakers for the 345/115 kV autotransformer, additional breakers were added such that the 1505 and 1607 lines can be each opened independently. Changes for the Tracy Substation appear in Figure 2.
- Add a new 345/115-kV autotransformer at the Tracy 14M Substation with a 600/600/600 MVA summer thermal rating and a (0.00063 + j 0.03703) per unit impedance on a100 MVA base.
- Add a new 345-kV circuit breaker in series with the existing 2T breaker at the CARD 11F Substation. This circuit breaker addition will eliminate the Card 2T stuck breaker contingency that results in unacceptable system conditions. The addition of a 345-kV circuit breaker in series with the 2T breaker appears in Figure 3.

The largest increase in short circuit current is seen at the Tracy Substation(~11,000 A), followed by the Tunnel Substation (~4000 A), and then Montville (1400 A). The Tracy autotransformer addition does not cause any NU circuit breaker to exceed its capability. Therefore, the Tracy autotransformer does not require any circuit breaker upgrades.

Neither the Tracy autotransformer addition nor the 345-kV circuit breaker addition at Card Substation would cause a significant adverse effect upon the reliability or operating characteristics of the NEPOOL system.

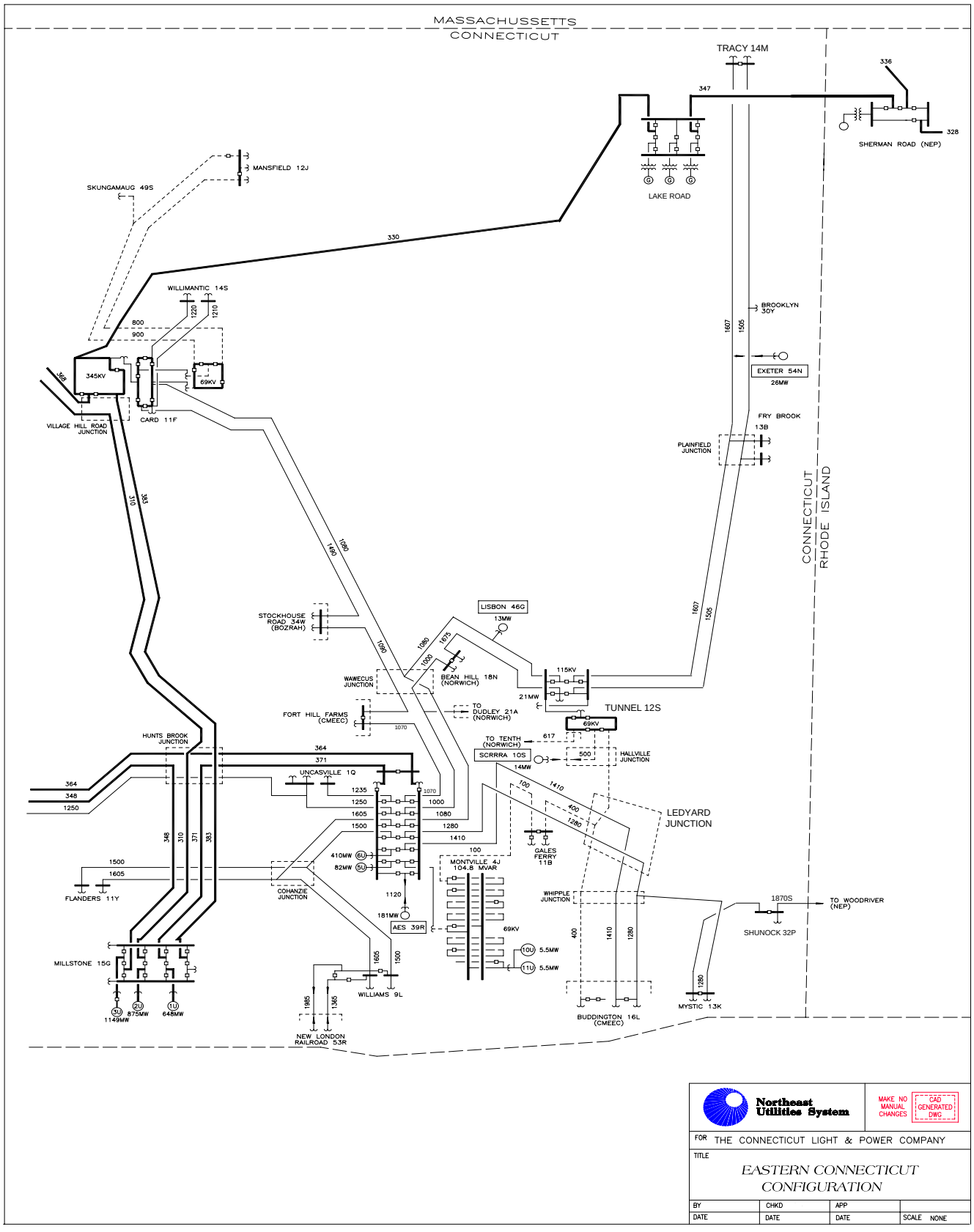
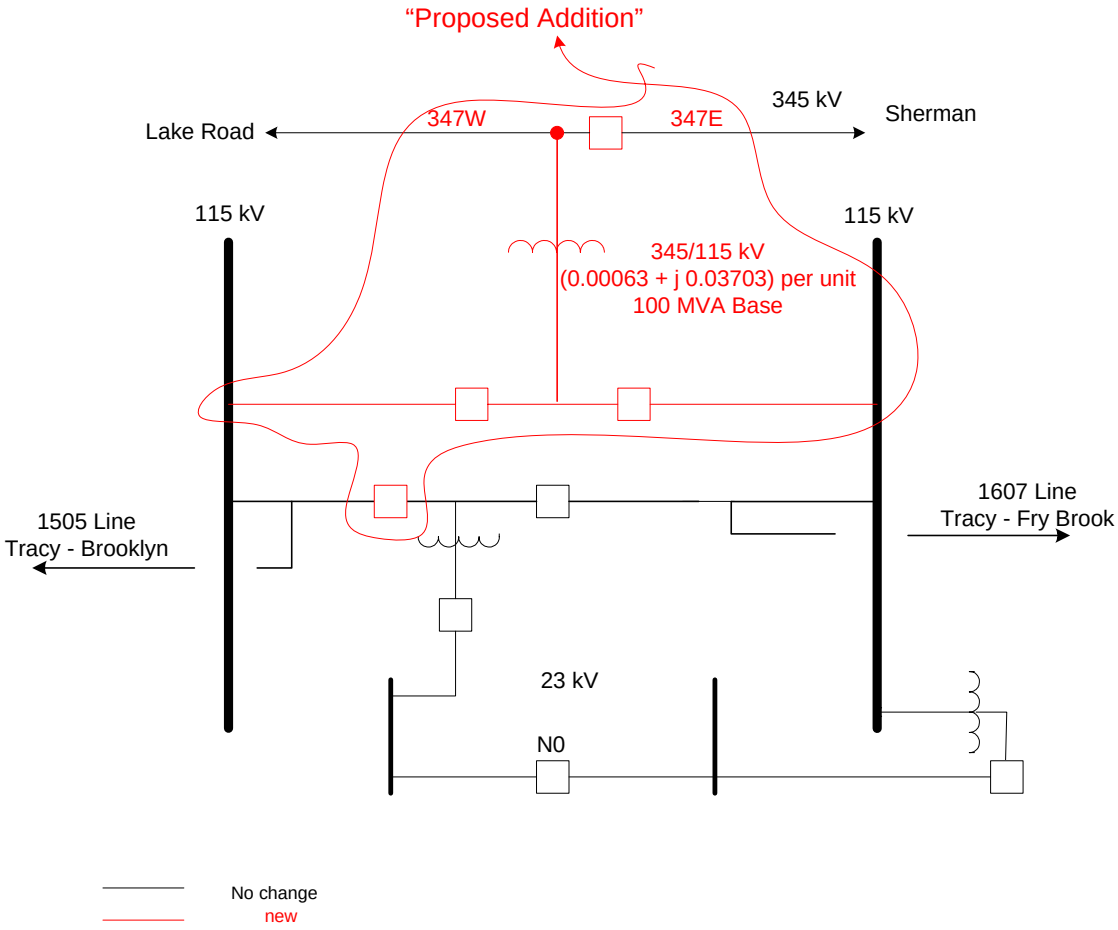


Figure 1 – Eastern Connecticut Transmission Network



TRACY 14M

Figure 2 – Tracy 14M Substation
Three 200-MVA Single Phase 345/115-kV Autotransformers

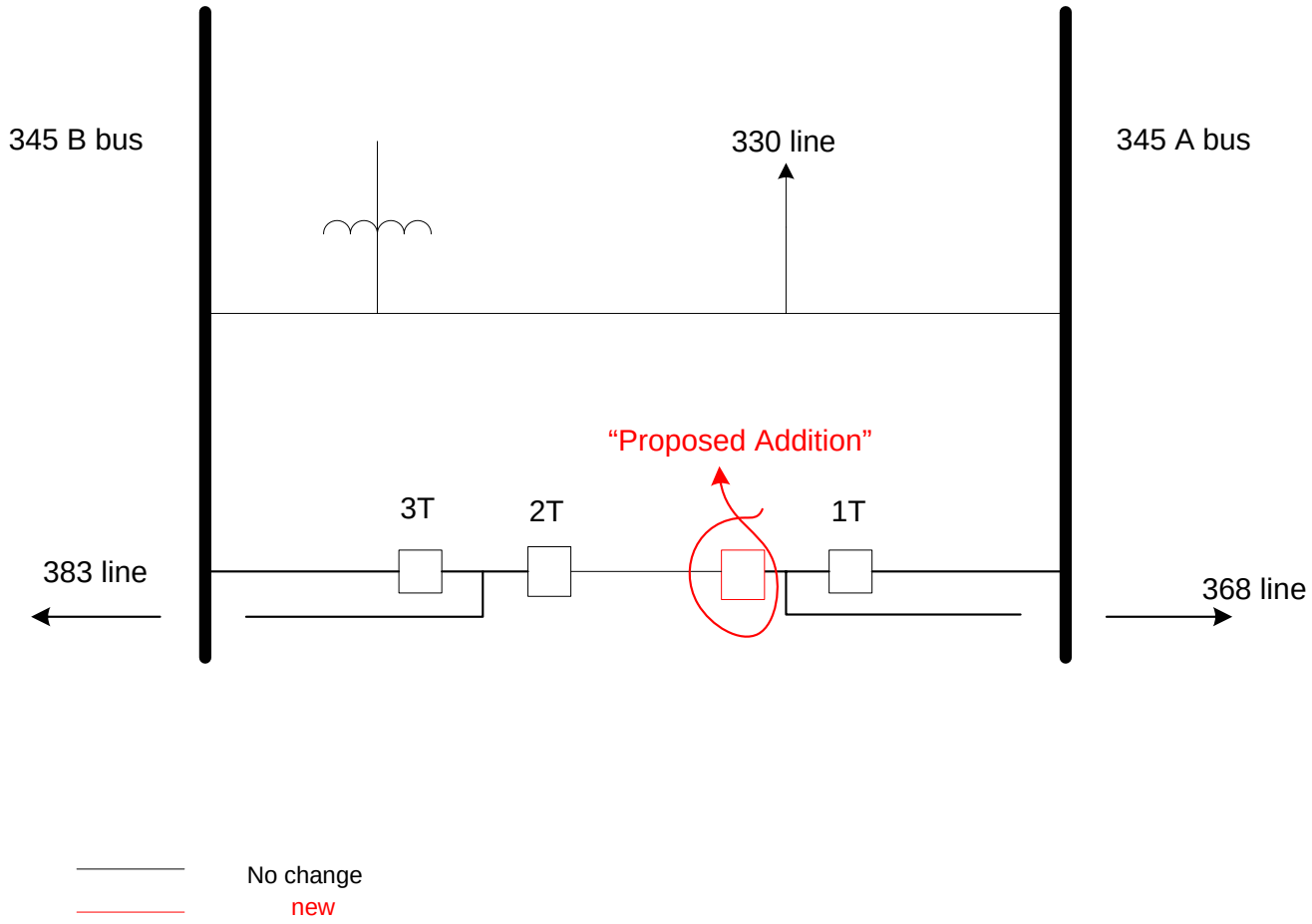


Figure 3 – Card Substation
Additional Card 345-kV Circuit Breaker

APPENDIX A

Base Case and Final Recommendation One-lines

Figure A1B1 – 345-kV System Pre-project

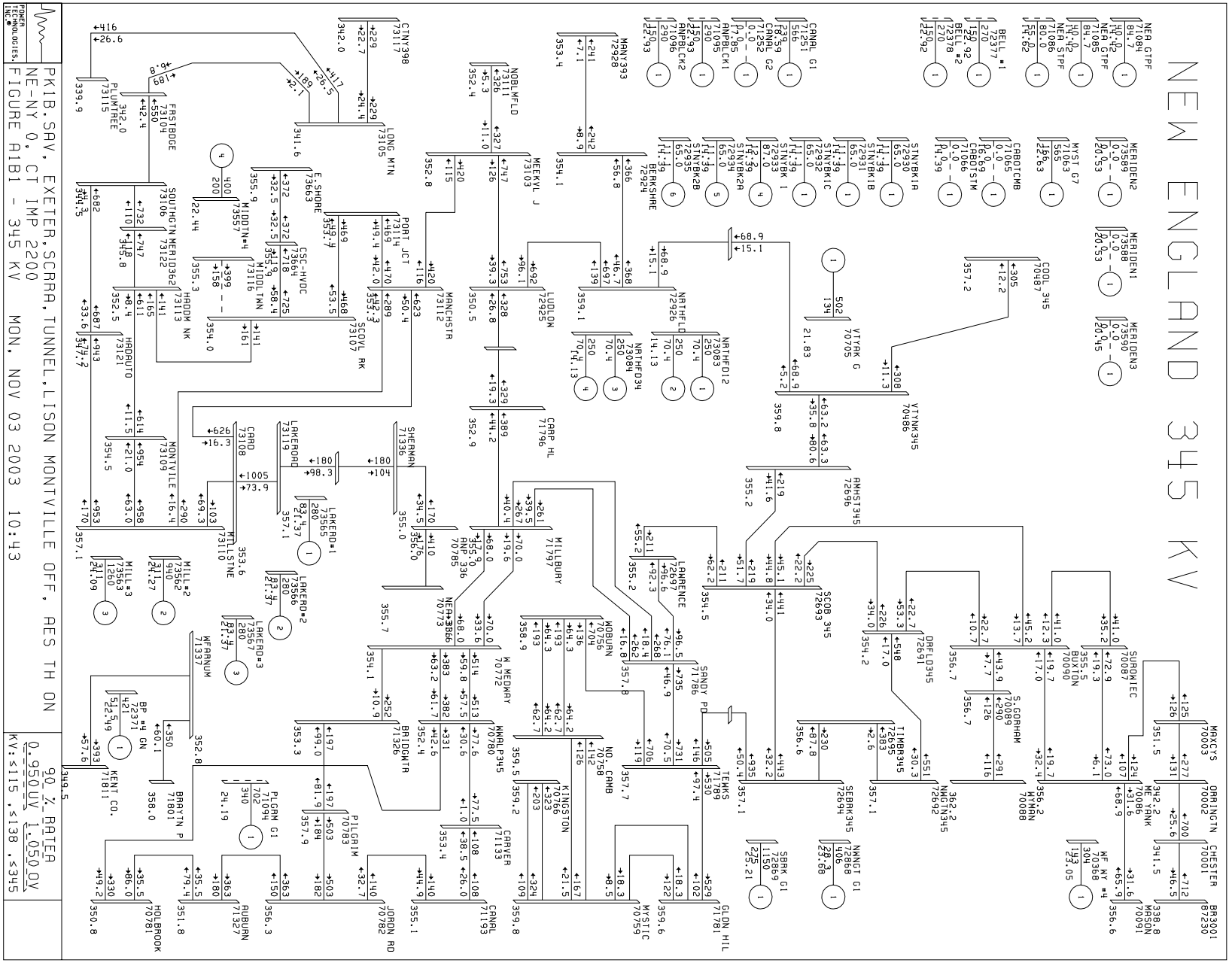


Figure A1B2 – 115-kV System Pre-project

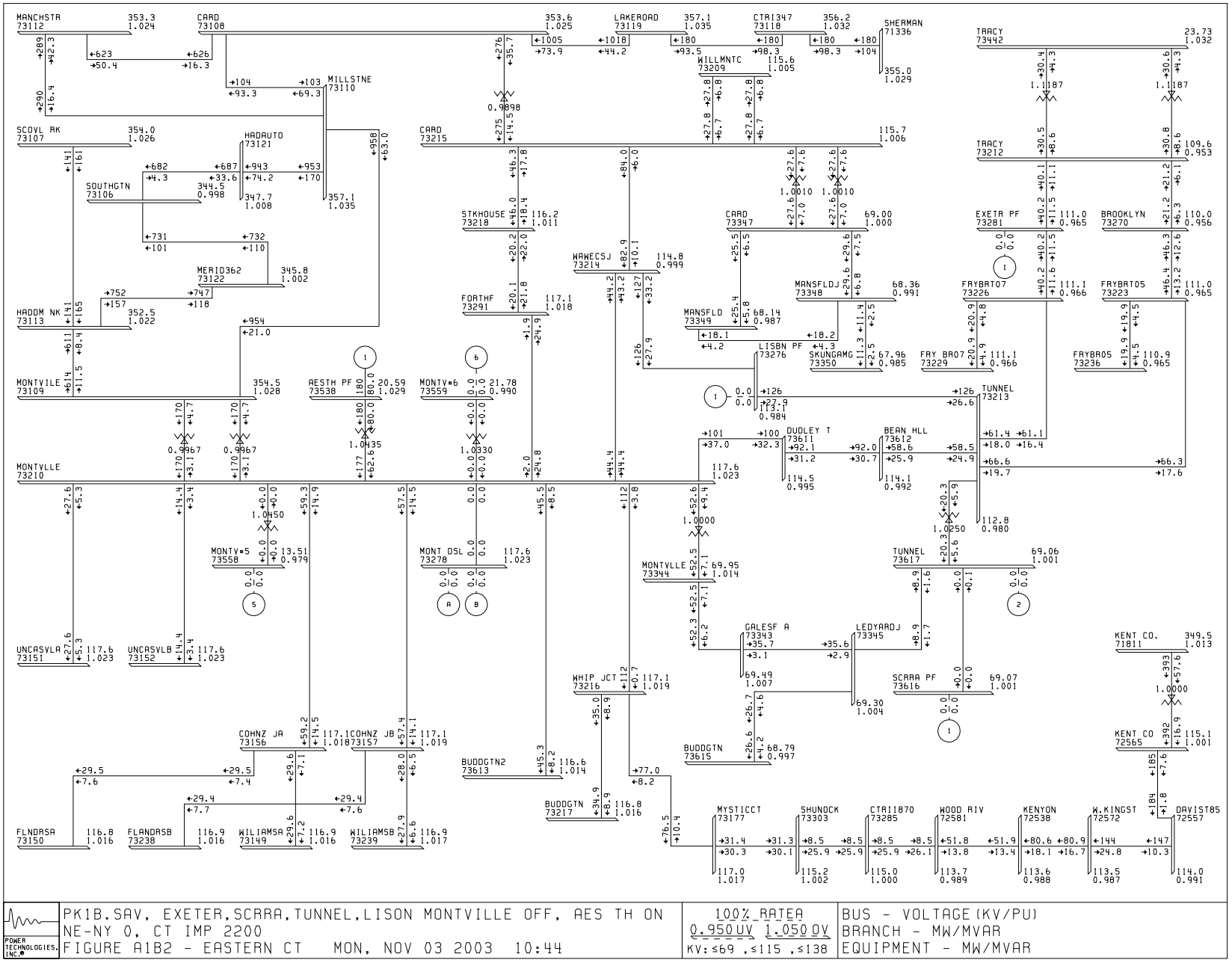


Figure A1C1 – 345-kV System Pre-project

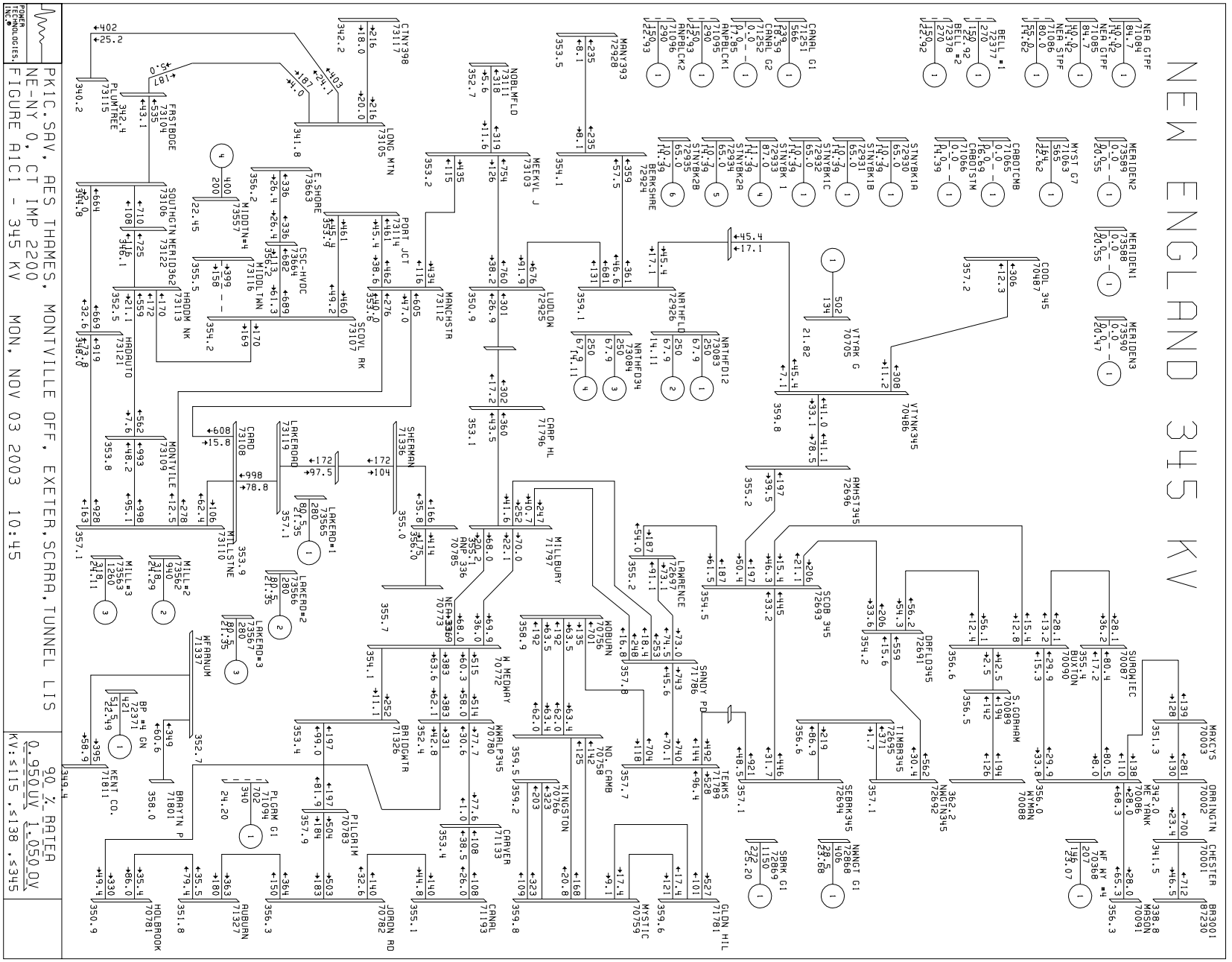


Figure A1C2 – 115-kV System Pre-project

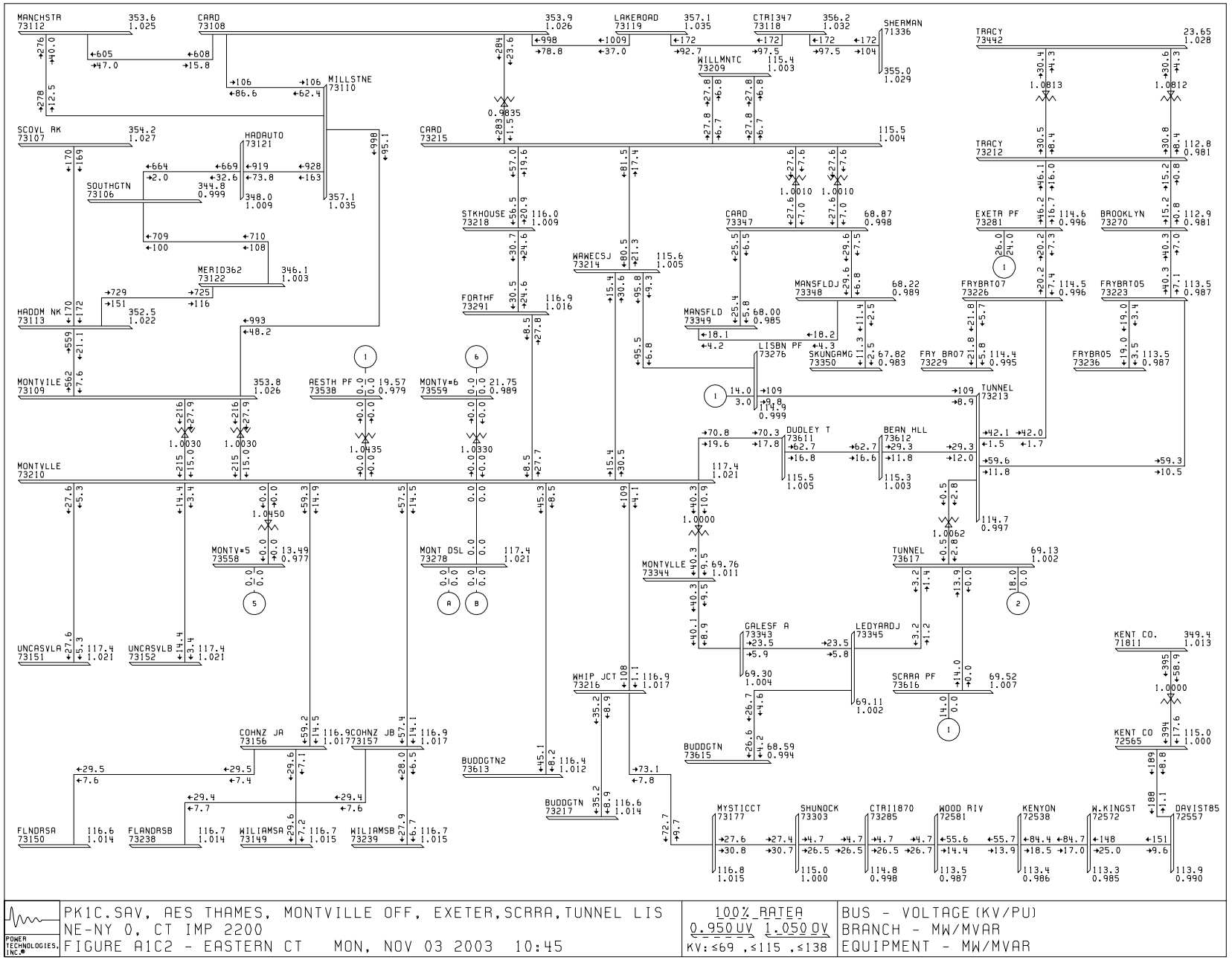


Figure A1D1 – 345-kV System Pre-project

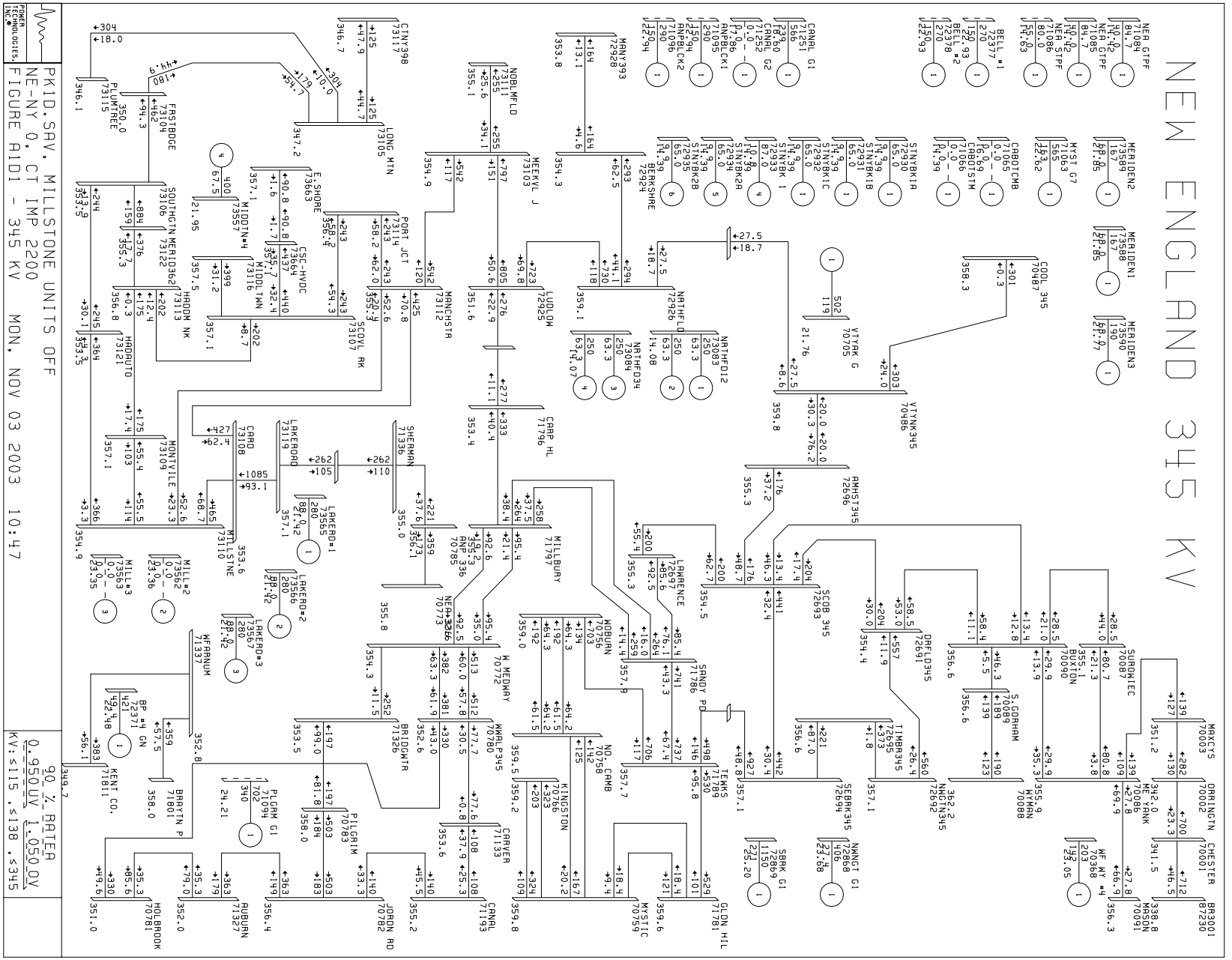


Figure A1D2 – 115-kV System Pre-project

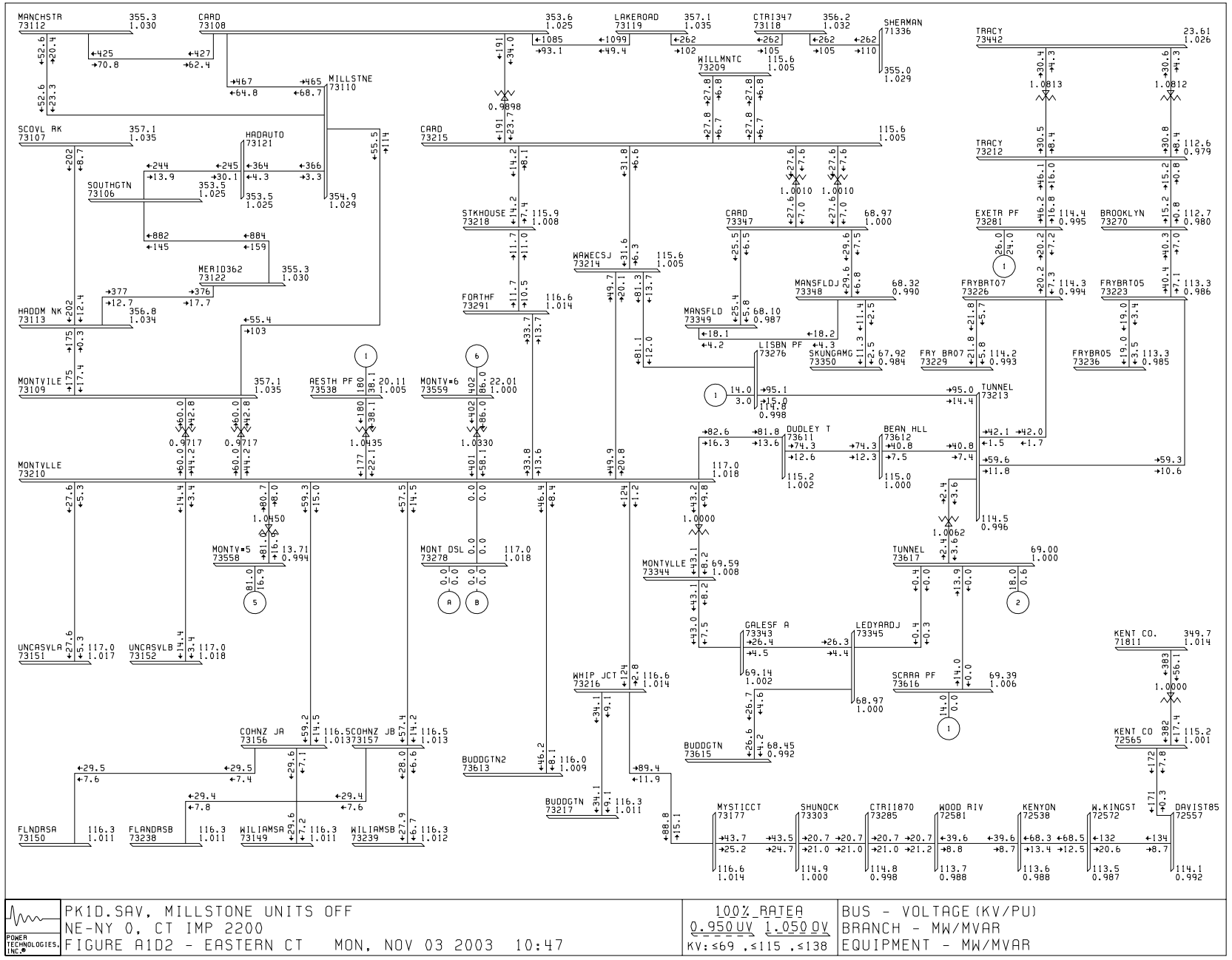


Figure A22B1 – 345-kV System Post-project

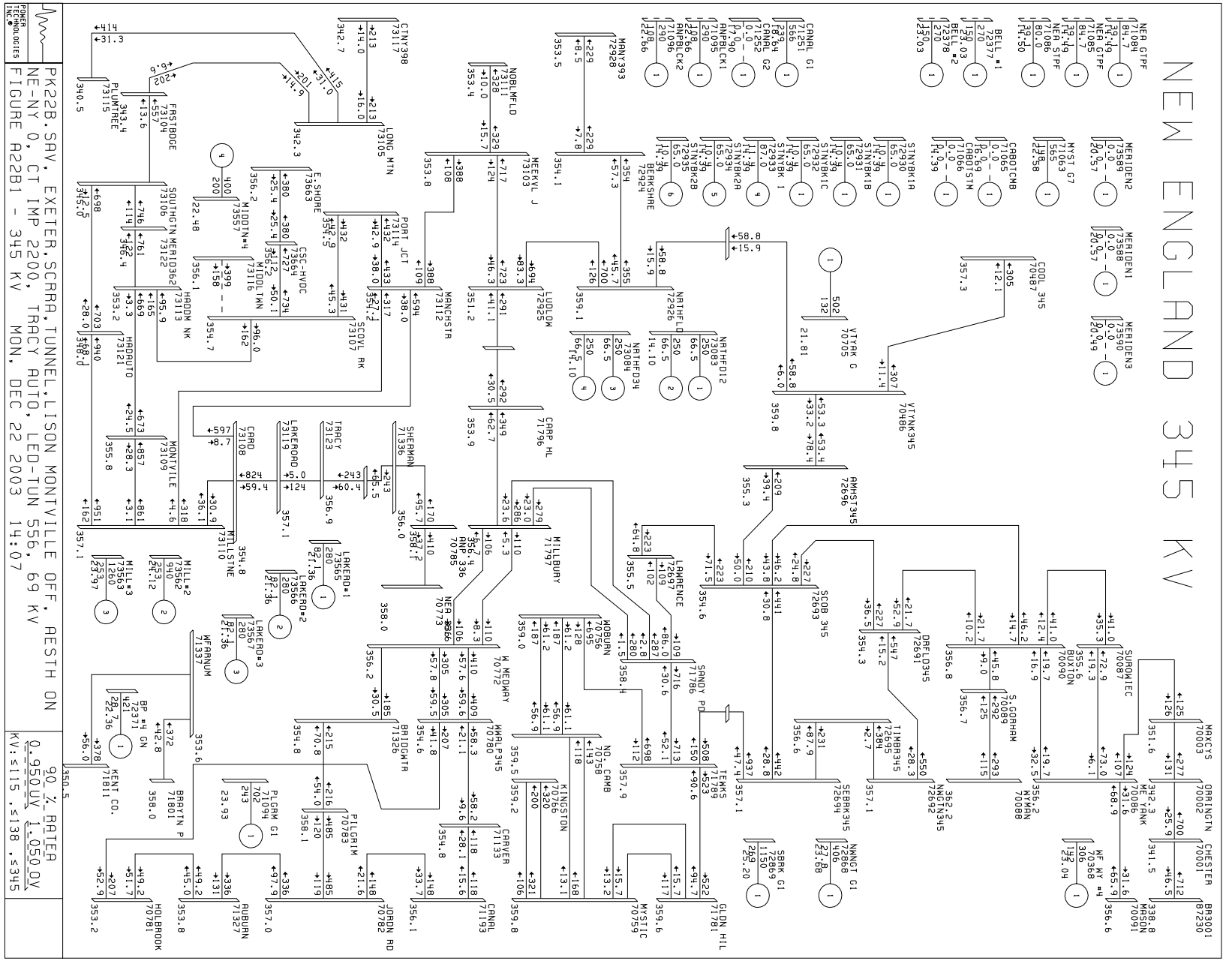


Figure A22B2 – 115-kV System Post-project

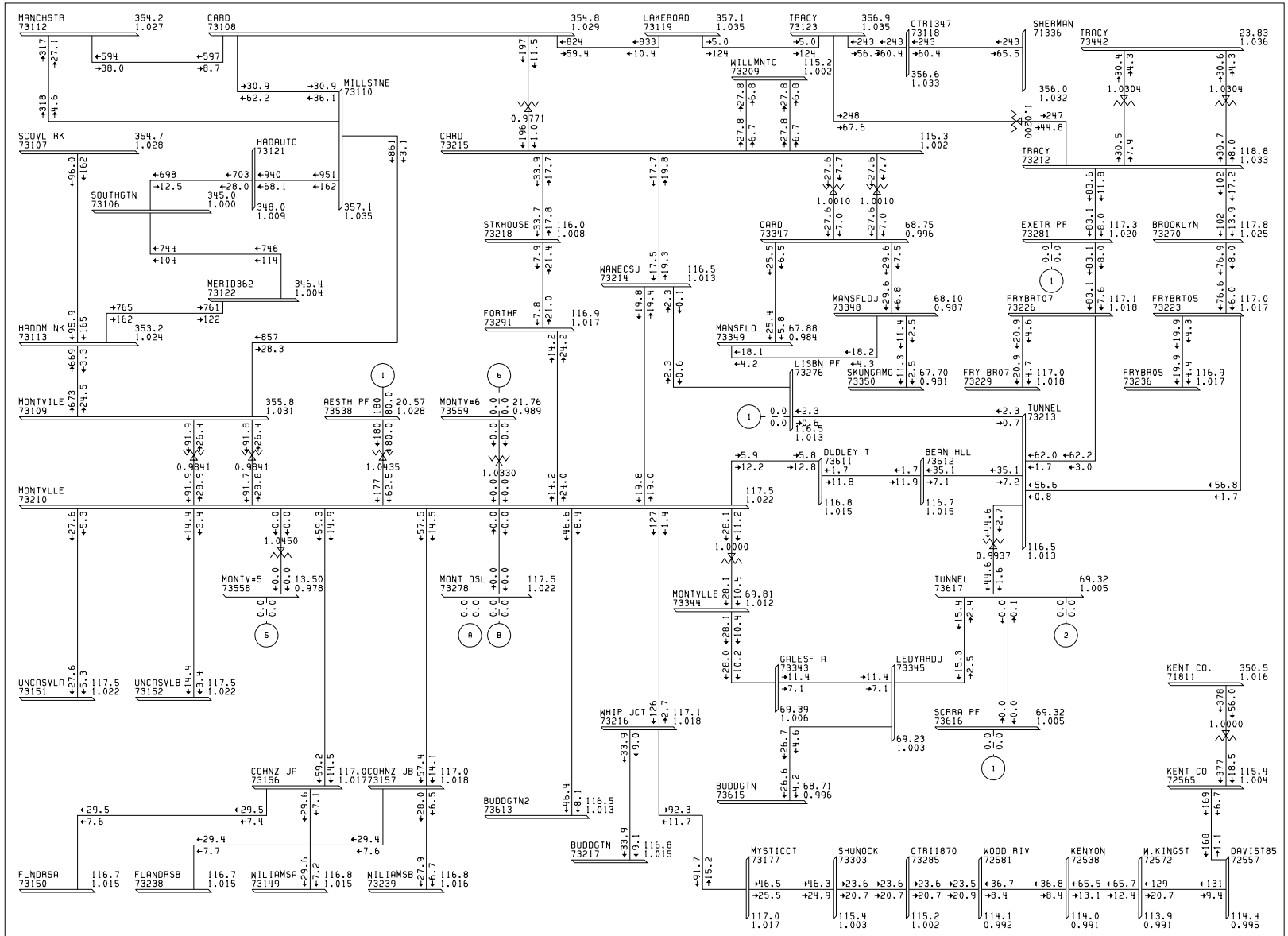


Figure A2B1 – 345-kV System Light Load Pre-project

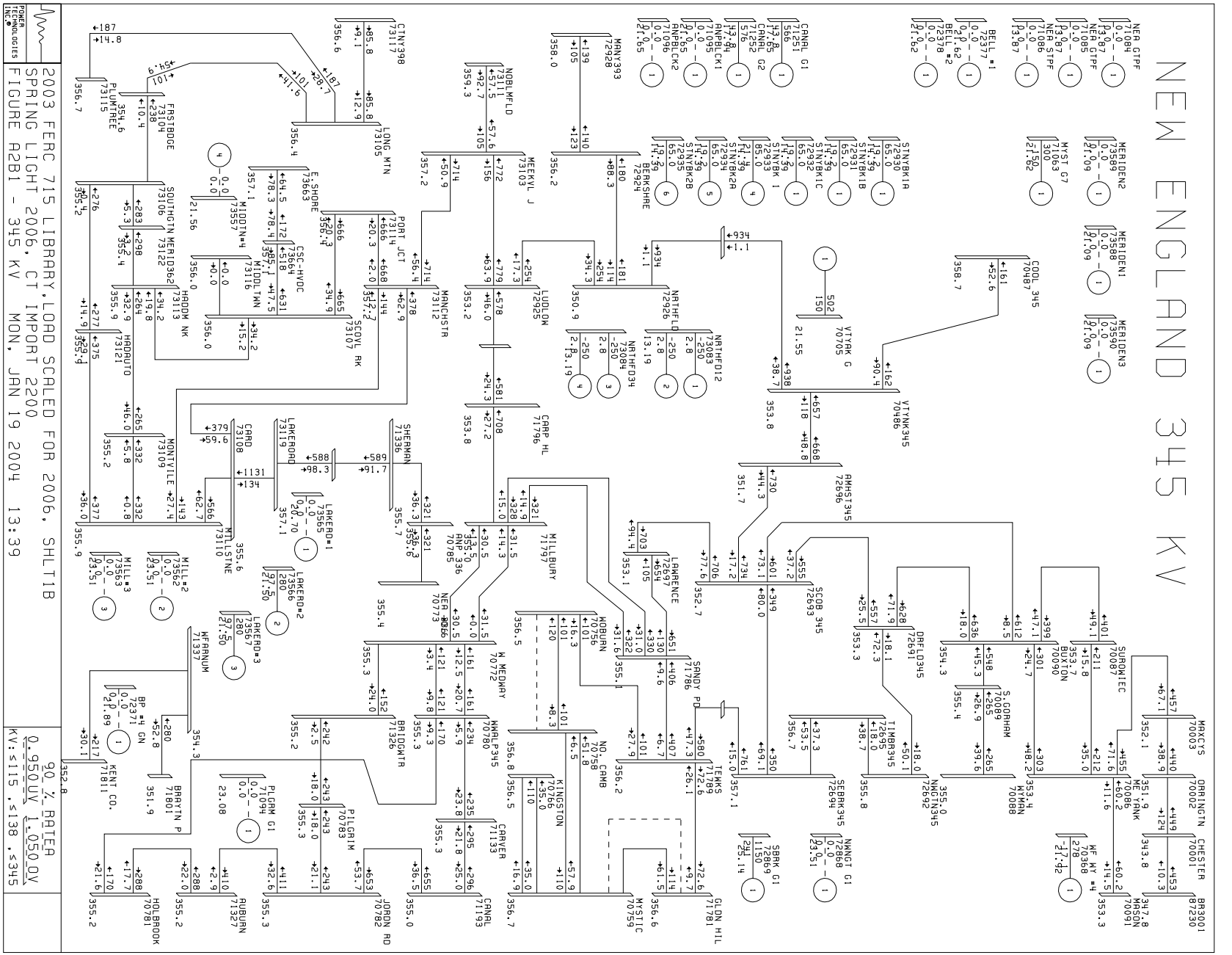


Figure A2B2 – 115-kV System Light Load Pre-project

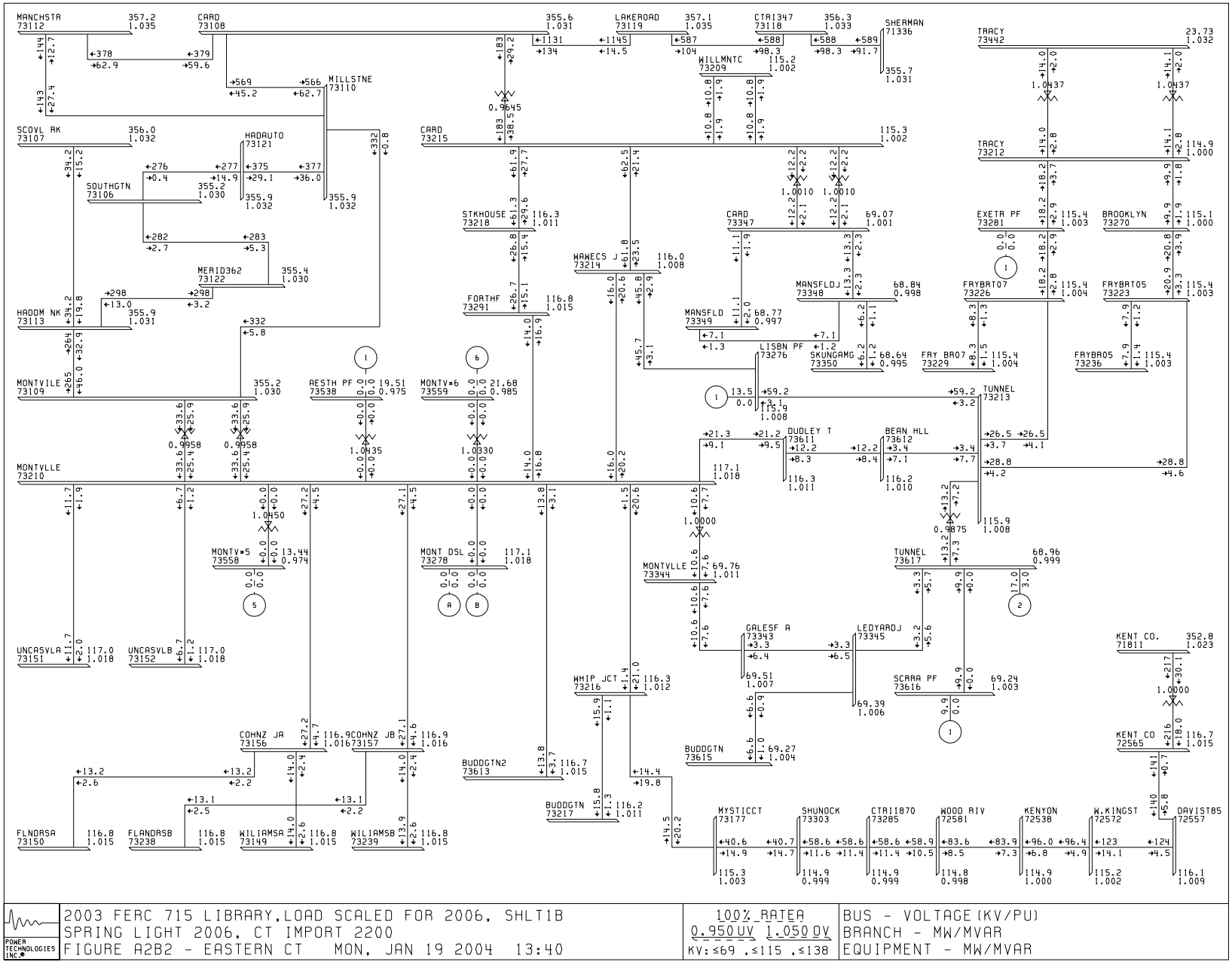


Figure A2C1 – 345-kV System Light Load

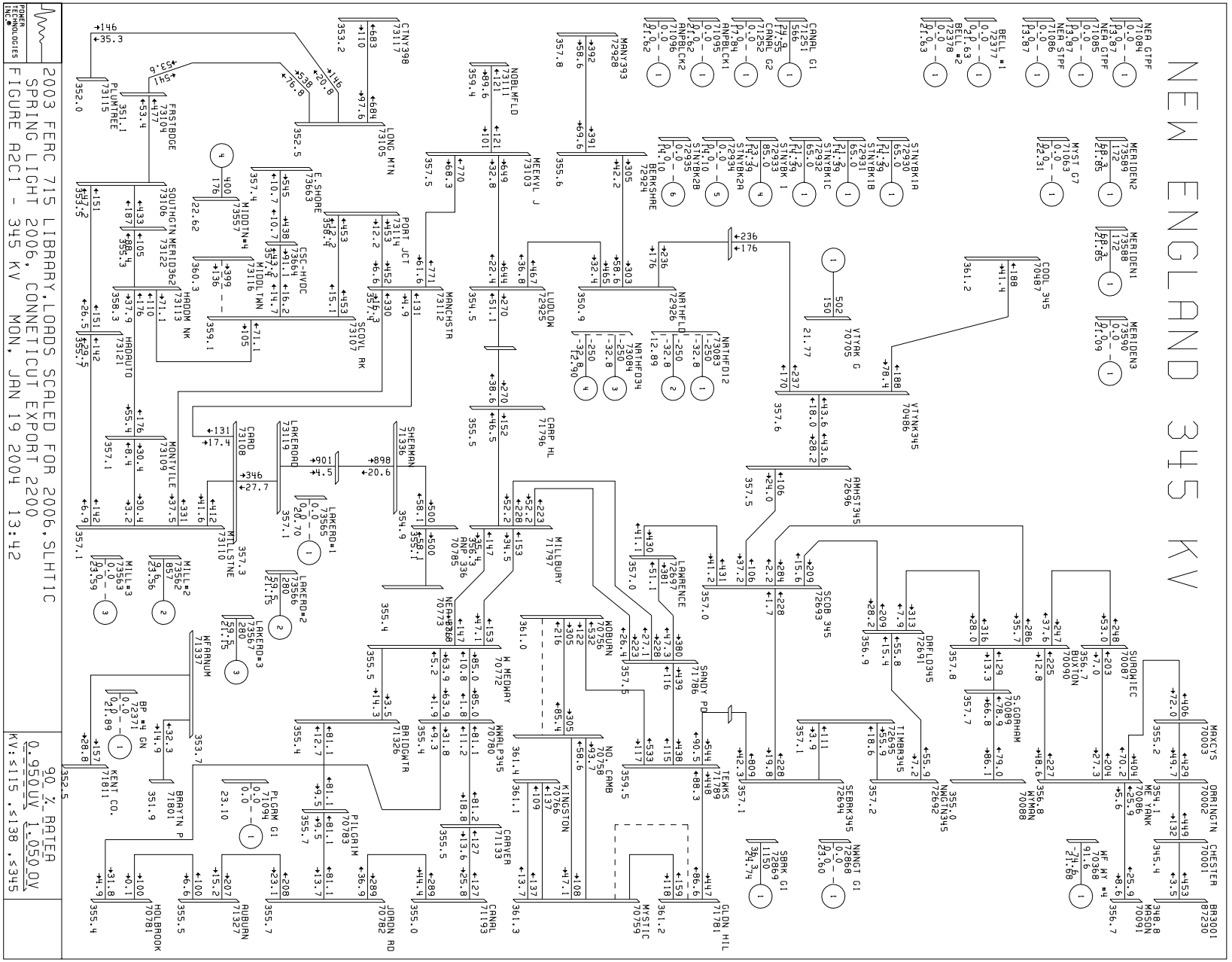


Figure A2C2 – 115-kV System Light Load

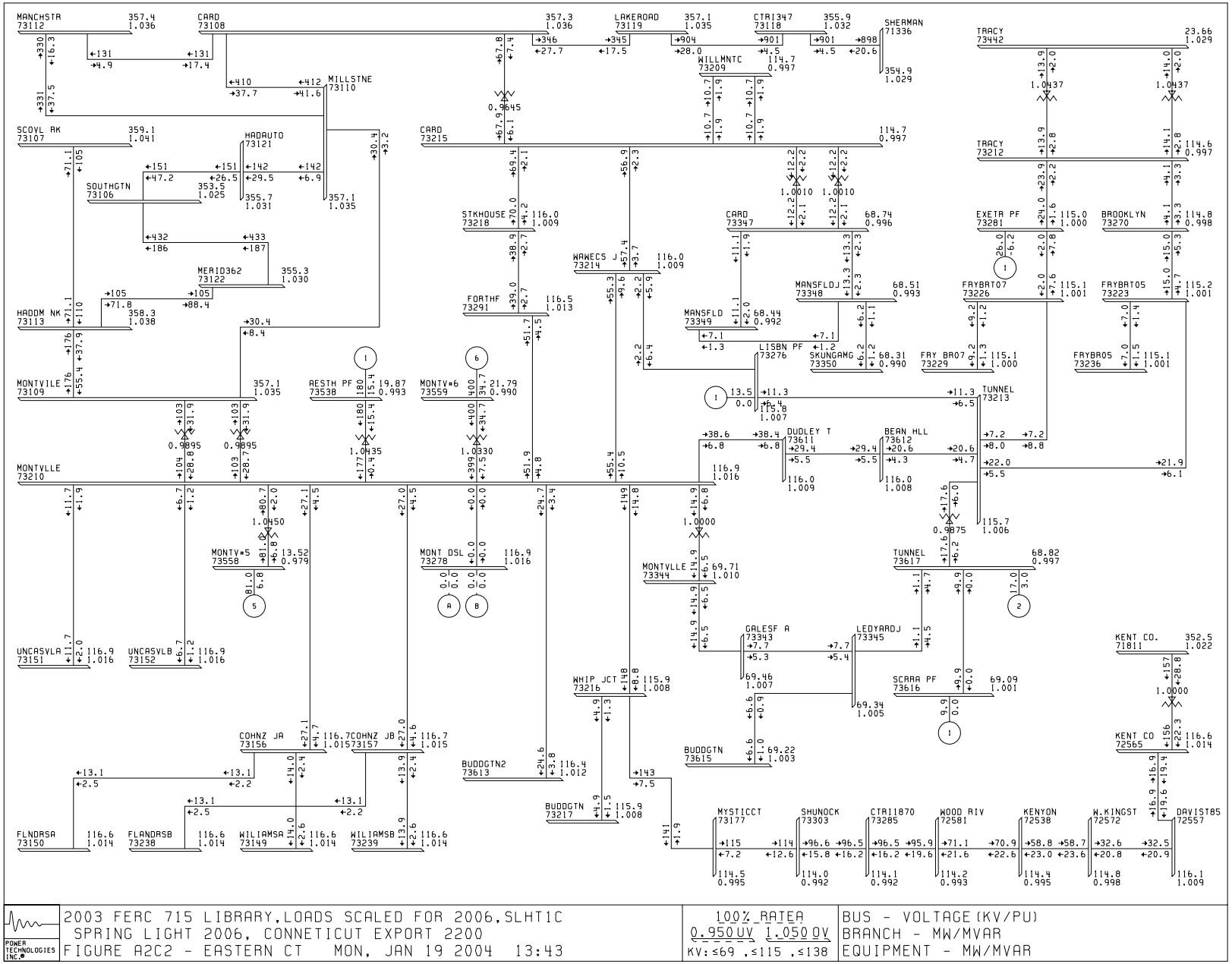


Figure A.22B-2

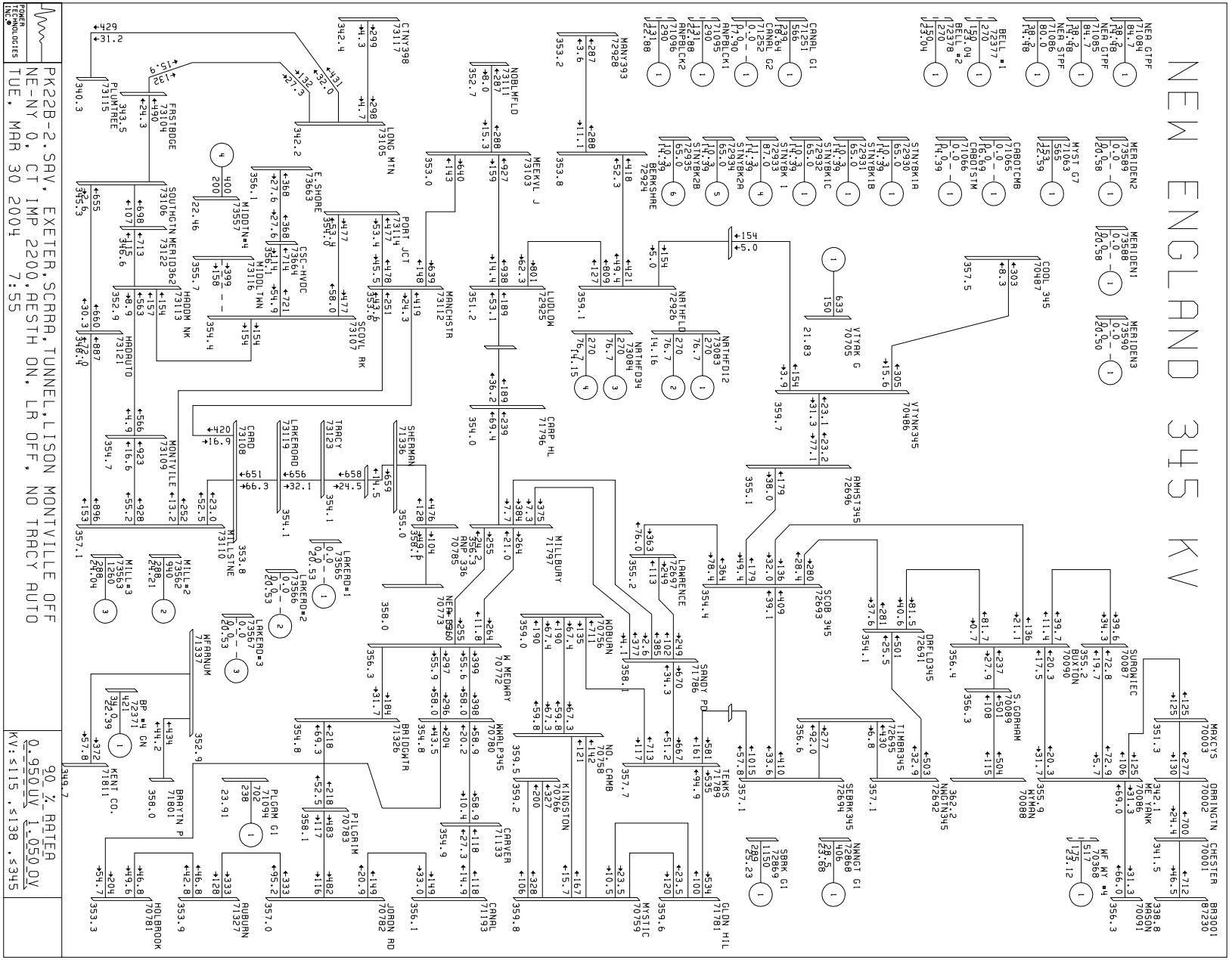


Figure A.22B-2A

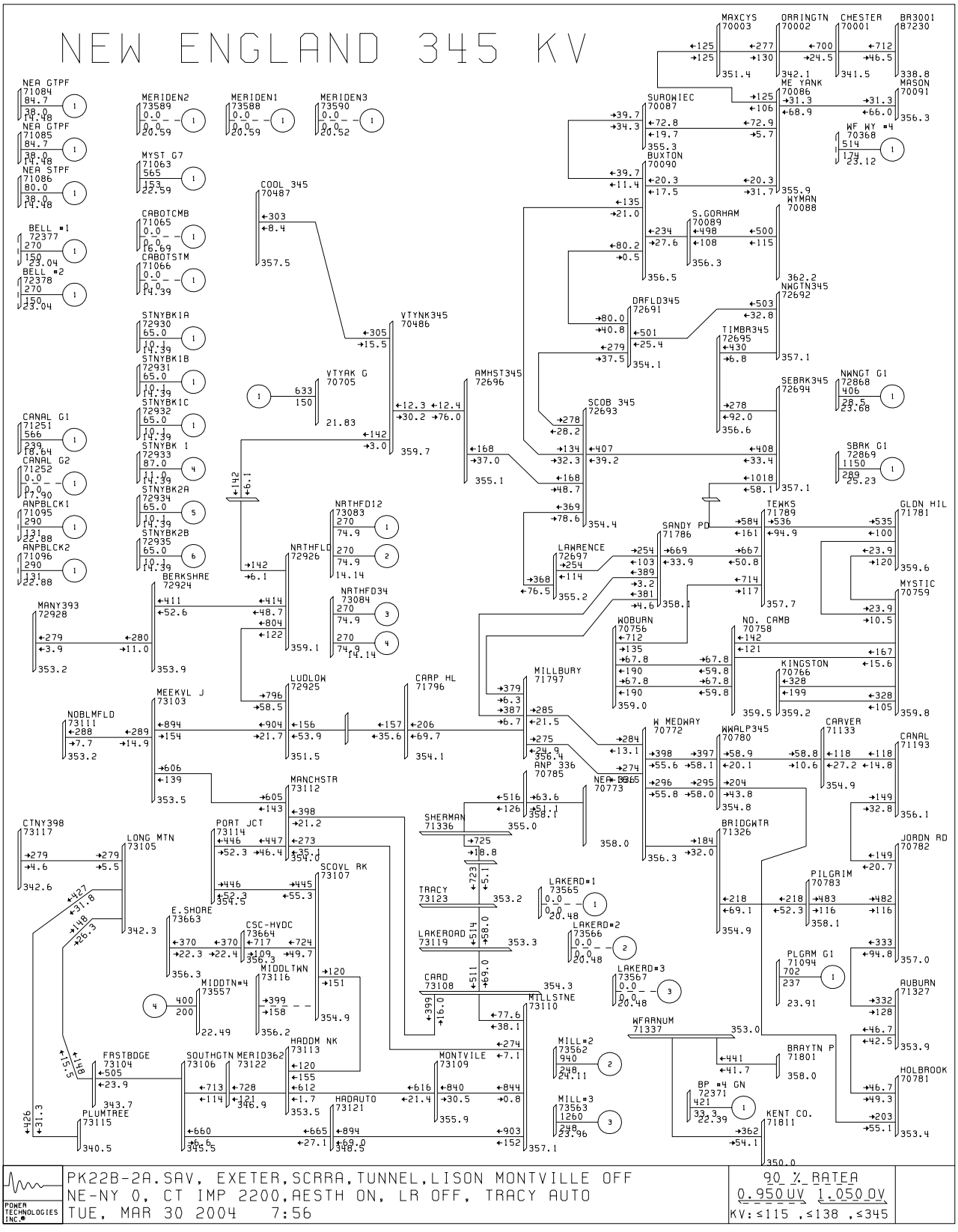


Figure A.22B-3

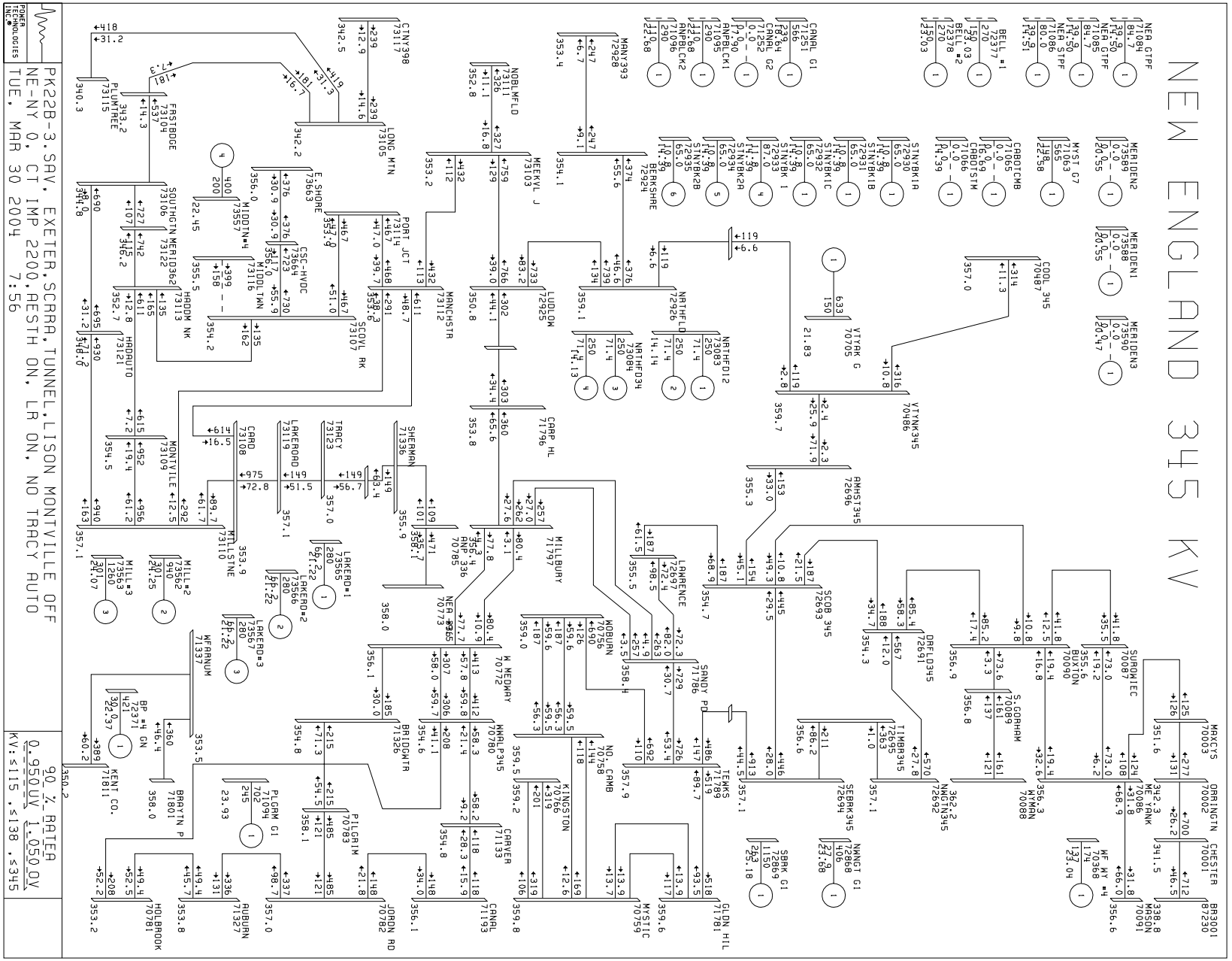


Figure A.22B-3A

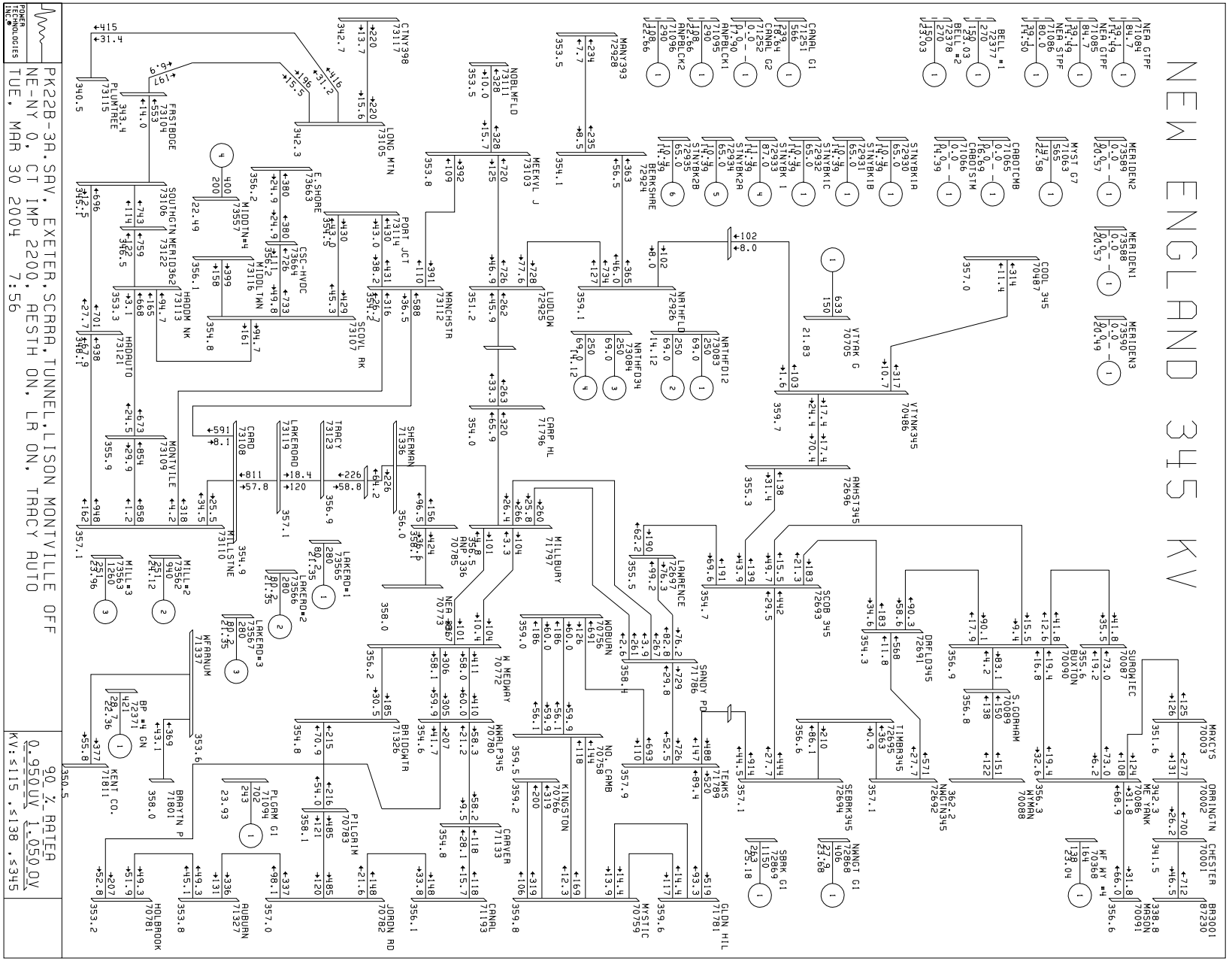


Figure A.22B-4

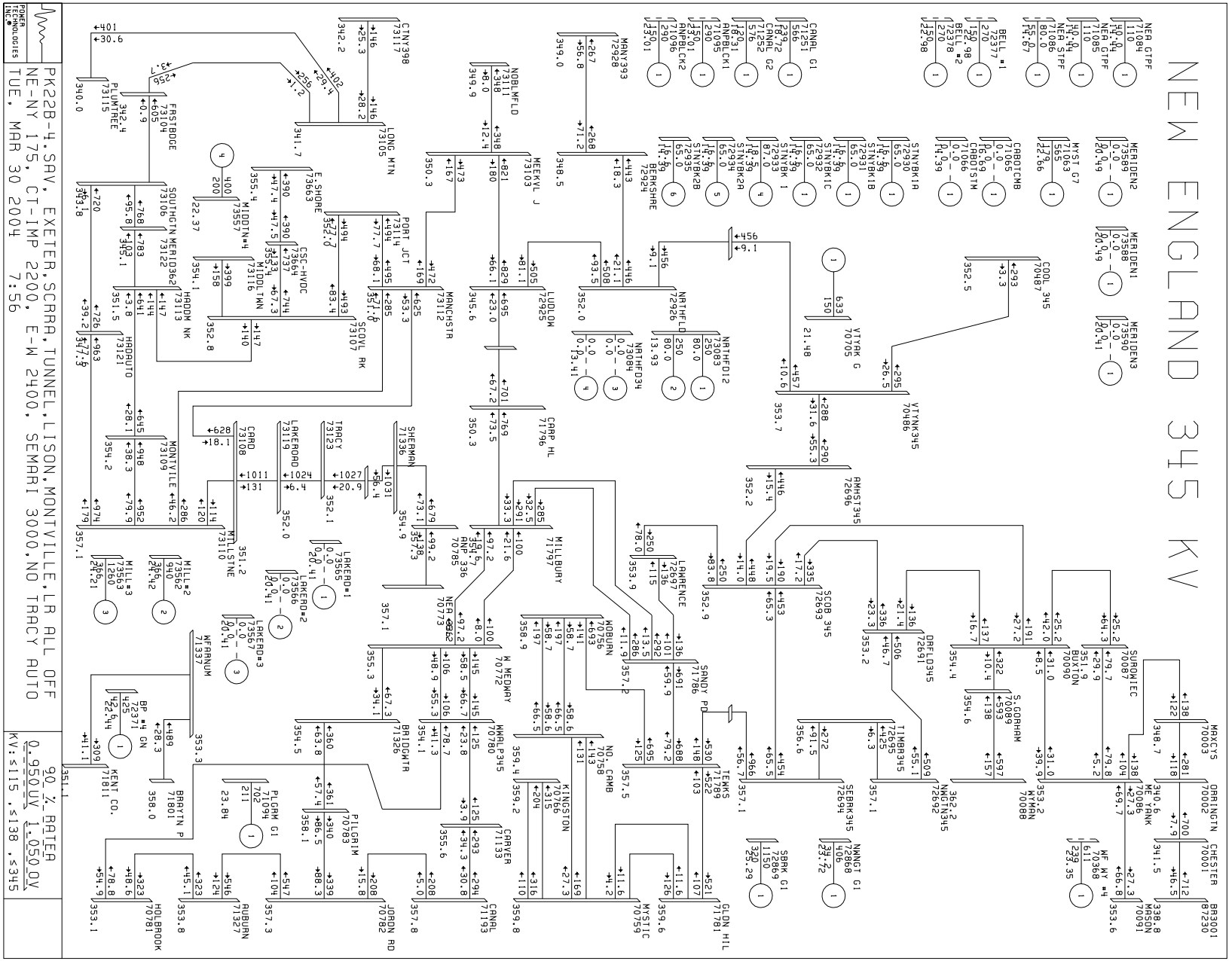


Figure A.22B-4A

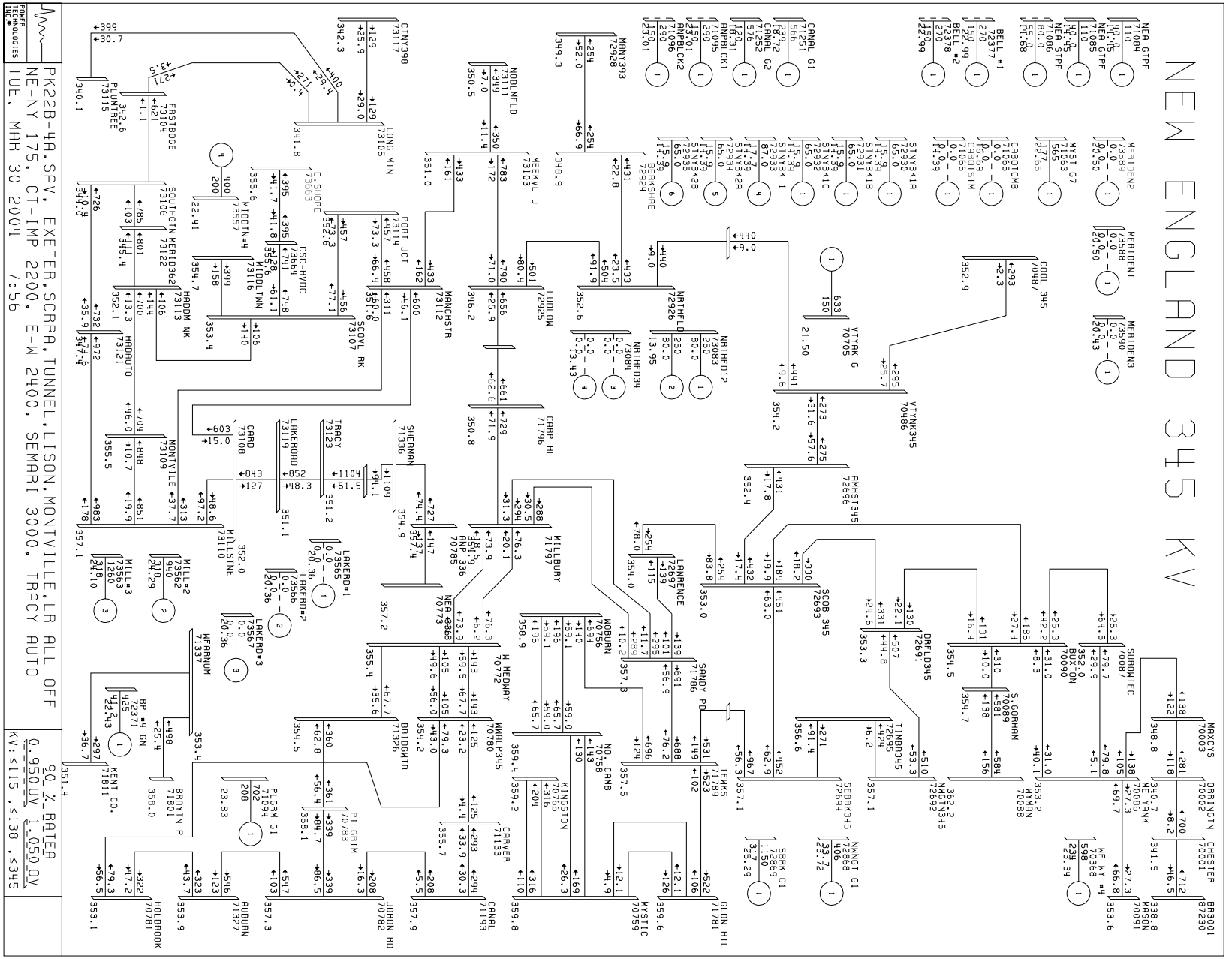


Figure A.22B-5

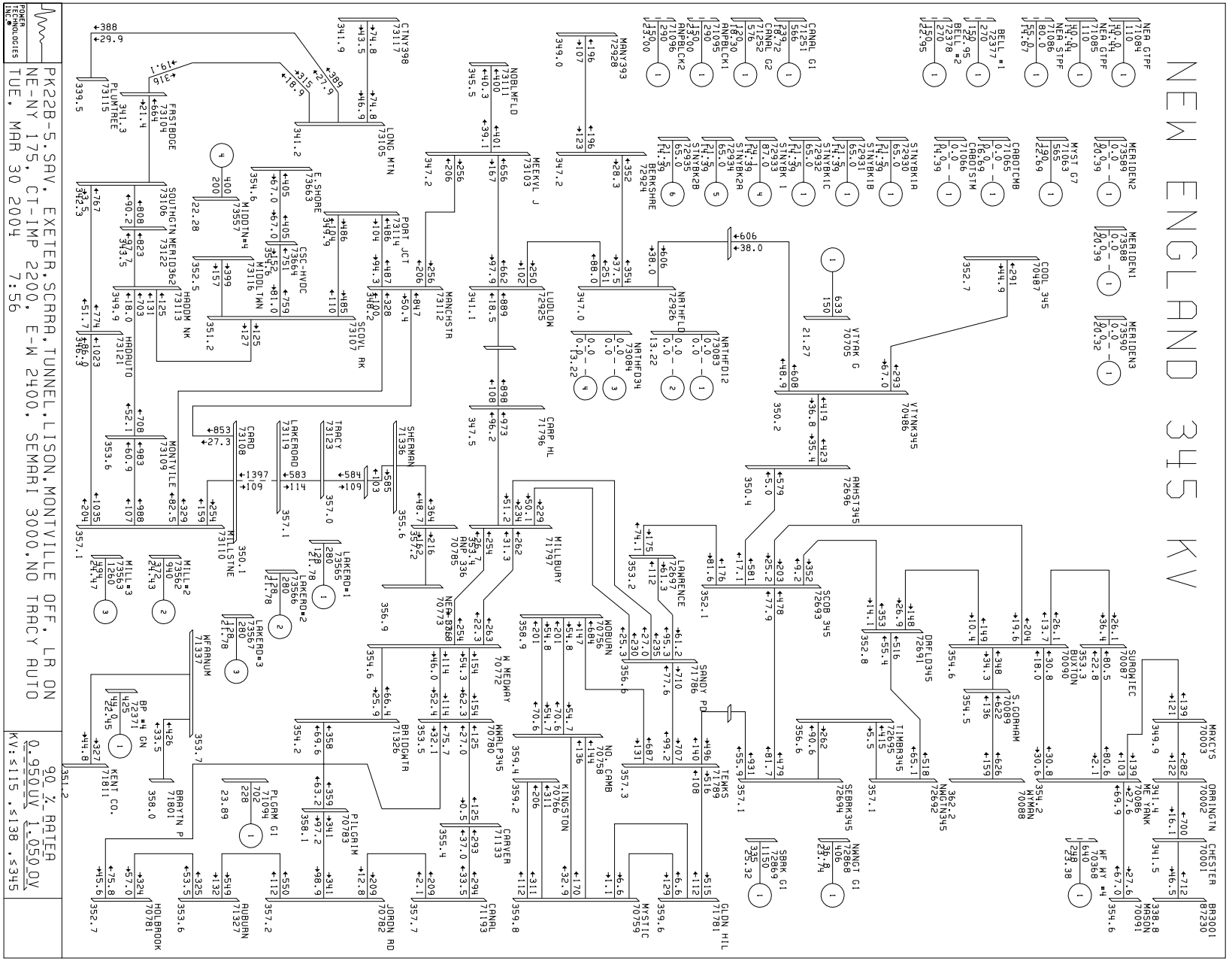
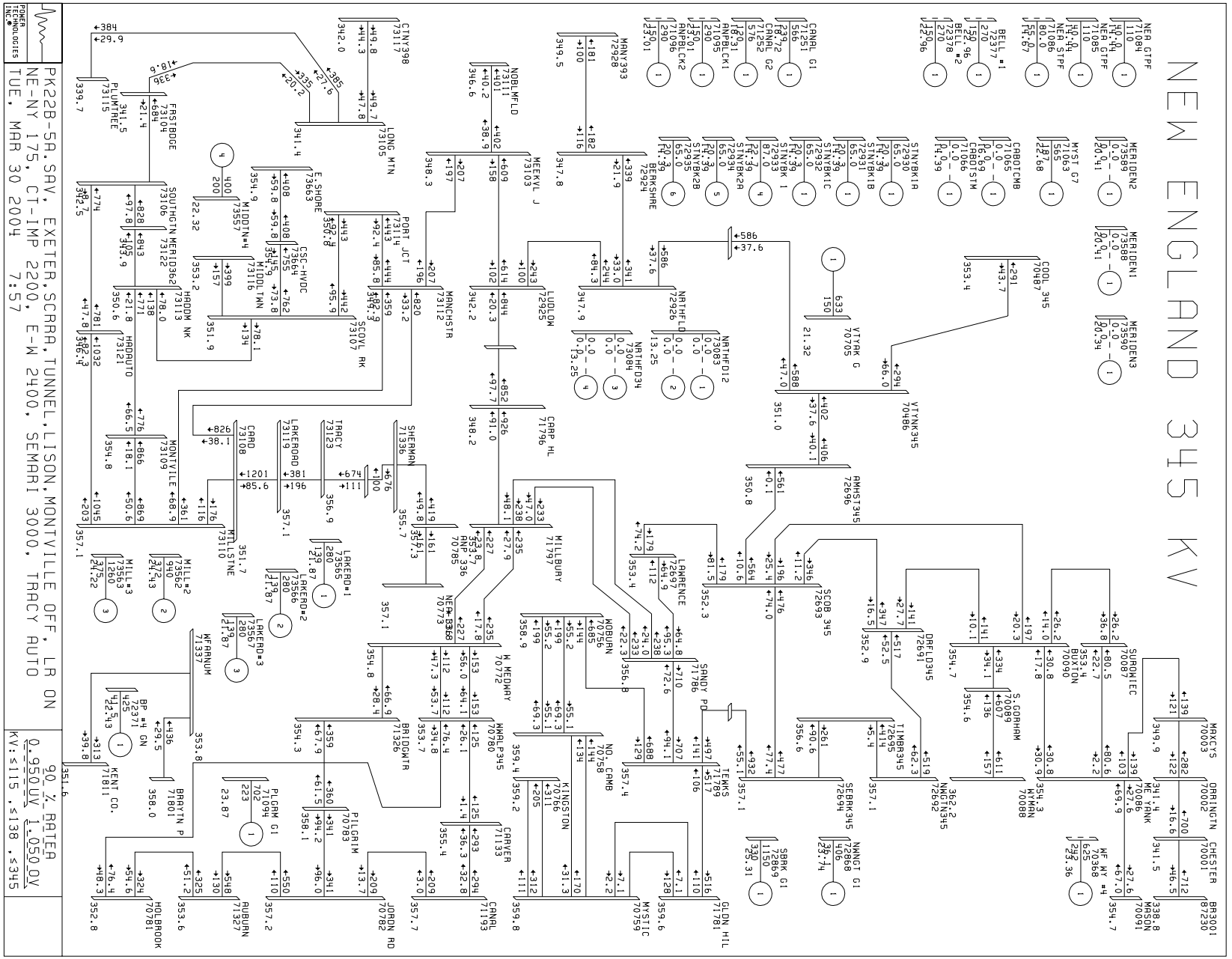


Figure A.22B-5A



APPENDIX B

Summaries of Base Cases

TABLE B.1 - Base Case PK1B

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.030	180	80*	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.004	159	39	73552	NORHAR#2	1.004	168	39	73553	DEVON#7	1.026	106	47*
73554	DEVON#8	1.023	106	47*	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.990	230	44
73557	MIDDTN#4	1.020	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.011	940	305	73563	MILL#3	1.003	1260	305	73565	LAKERD#1	1.011	280	68
73566	LAKERD#2	1.011	280	68	73567	LAKERD#3	1.011	280	68	73574	MILFD#1	1.017	280	12
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	1.001	375	157	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.987	370	122
73652	BE 11	0.987	170	20	73653	BE 12	0.987	170	20	73654	BE 10 ST	0.984	180	20
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.017	50	9	70366	WF WY #2	1.017	50	9
70367	WF WY #3	1.016	100	19	70368	WF WY #4	1.047	314	143	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.992	502	132
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.047	136	104*
71063	MYST G7	1.027	565	149	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.050	702	244	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	1.005	357	230*
71084	NEA GTPF	1.051	85	40	71085	NEA GTPF	1.051	85	40	71086	NEA STPF	1.051	80	40
71095	ANPBLCK1	1.080	290	109	71096	ANPBLCK2	1.080	290	109	71251	CANAL G1	1.035	566	239*
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	1.031	238	114*	72375	BP #2 GN	1.031	241	114*
72370	BP #3 GN	1.018	536	40	72371	BP #4 GN	1.017	421	30	72661	MANCH09A	1.008	99	35*
72662	MANCH10A	1.008	99	35*	72663	MANCH11A	1.008	99	35*	72666	FRSQ SC1	0.993	43	-5
72667	FRSQ SC2	0.991	43	-3	72668	FRSQ SC3	0.991	42	-1	71522	SOM G6	0.992	70	58
71531	OSP1 PF	1.002	77	0	71532	OSP2 PF	1.002	77	0	71533	OSP3 PF	1.002	108	0
71534	OSP4 PF	1.002	77	0	71535	OSP5 PF	1.002	77	0	71536	OSP6 PF	1.002	108	0
71946	SALEM G1	1.028	79	16	71947	SALEM G2	1.028	78	16	71948	SALEM G3	1.025	143	31
71949	SALEM G4	1.026	400	93	72869	SBRK G1	1.008	1150	269	72868	NWNGT G1	0.987	406	28
72870	SCHILLER	1.015	48	25*	72871	SCHILLER	1.015	50	25*	72872	SCHILLER	1.015	48	25*
72866	MERMK G1	1.040	113	32	72867	MERMK G2	1.040	320	92	72702	CONEDG1	0.996	168	28
72703	CONEDG2	0.996	168	28	72704	CONEDG3	0.994	195	28	72243	MILLENCT	1.011	273	54
72244	MILLENST	1.009	117	24	72378	BELL #2	1.097	270	150*	72512	BRSWP G1	0.985	280	51
72513	BRSWP G2	0.985	280	51	72986	BERKPWR	1.028	280	31	73072	ALT12 PF	1.025	65	15*
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.024	80	15	73069	MAPR1 PF	1.047	56	47*
73080	WSPFLD 3	1.003	107	8	73083	NRTHFD12	1.023	500	138*	73084	NRTHFD34	1.023	500	138*
72930	STNYBK1A	1.043	65	11	72931	STNYBK1B	1.043	65	11	72669	TIVER G1	1.051	189	58
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.097	270	150*	72378	BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	609	MIDDLETOWN	630	244	MONTVILLE	0	0
NORWALK	327	78	BRIDGEPORT	895	219	NHHARBOUR	370	122
DEVON	212	94	BRAYTONPT	1971	337	MANCHSTRST	425	96
SOMERSET	70	58	OSP	523	0	NEA	249	120
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	244	MYSTIC	701	253	NEWBOSTON	357	230
SALEMHBR	700	155	SEABROOK	1150	269	NEWINGTON	937	112
SCHILLER	145	75	MERRIMACK	433	124	STONYBROOK	412	66
WYMAN	514	181	VTYANKEE	502	132	BEARSWAMP	560	102
NORTHFIELD	1000	277	MASSPWRR	56	47	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	124	-104	MAINE-NH	27	-10
NNE-SCOBIE+394	1660	25	SEABROOK-SOUTH	1379	77	NORTH-SOUTH	1767	23
CMFD/MOORE-SO	175	-12	SNDYPOND-SOUTH	2104	186	CONN EXPORT	-2198	205
CONN-MASS	-981	171	CONN-RI	-156	78	SW CONN IMPORT	1877	234
NORWLK-STAMFORD	991	-44	BOSTON IMPORT	3060	309	NEMA/BOS IMPORT	3749	266
SEMA/RI EXPORT	1645	184	CONVEX-REMVEC	-571	70	EAST-WEST	732	-86
NY-NE	-4	-93	PV20	138	-10	CT-LI-1385	-2	-48
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	356.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73108 CARD	345	354.
73109 MONTVILE	345	355.	73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	355.
71801 BRAYTN P	345	358.	71811 KENT CO.	345	350.	71326 BRIDGWTR	345	355.
71336 SHERMAN	345	356.	71338 OS POWER	345	356.	71337 WFARNUM	345	354.
70772 W MEDWAY	345	356.	70780 WWALP345	345	355.	70783 PILGRIM	345	358.
70773 NEA 336	345	358.	71193 CANAL	345	356.	71133 CARVER	345	355.
70795 FRMNGHAM	230	233.	70793 MDFRM230	230	238.	70794 MDWLT230	230	239.
70818 MYSTC MA	115	116.	71891 SALEM HR	115	119.	73195 DEVON	115	118.
73709 OLD TOWN	115	116.	73710 HAWTHORN	115	116.	73158 WESTON	115	116.
73198 SOUTHGTN	115	118.	73182 HANOVERB	115	117.	73634 COLONY	115	117.
73633 NO.WALLF	115	117.	73227 E.MERIDN	115	117.	73230 HADDAM	115	118.
73231 BOKUM	115	117.	73265 GREEN HL	115	116.	73153 BRANFORD	115	117.
73703 ASHCREEK	115	118.	73700 PEQUONIC	115	118.	73174 PEACEABL	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25233	NEPOOL_LOAD	27191	NEPOOL_LOSS	661	
NEPOOL_INT	-2636	NEPOOL_LOAD+LOSS	27852			

TABLE B.2 - Base Case PK1C

PK1C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LIS
NE-NY 0, CT IMP 2200

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	0.000	0	0*	73549	SMD1112J	0.000	0	0*	73550	SMD1314J	0.000	0	0*
73551	NORHAR#1	1.004	159	38	73552	NORHAR#2	1.003	168	38	73553	DEVON#7	1.012	106	32
73554	DEVON#8	1.009	106	32	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.990	230	44
73557	MIDDTN#4	1.021	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.012	940	314	73563	MILL#3	1.004	1260	314	73565	LAKERD#1	1.017	280	80
73566	LAKERD#2	1.017	280	80	73567	LAKERD#3	1.017	280	80	73574	MILFD#1	1.017	280	4
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	0.997	375	143	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.985	390	112
73652	BE 11	0.985	170	19	73653	BE 12	0.985	170	19	73654	BE 10 ST	0.982	180	19
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.015	50	8	70366	WF WY #2	1.015	50	8
70367	WF WY #3	1.015	100	17	70368	WF WY #4	1.048	203	145	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.992	502	134
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.046	136	104*
71063	MYST G7	1.028	565	165	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.061	702	340*	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	1.004	357	230*
71084	NEA GTPF	1.045	85	40*	71085	NEA GTPF	1.045	85	40*	71086	NEA STPF	1.060	80	55*
71095	ANPBLCK1	1.092	290	150*	71096	ANPBLCK2	1.092	290	150*	71251	CANAL G1	1.033	566	239*
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	1.031	238	115*	72375	BP #2 GN	1.031	241	115*
72370	BP #3 GN	1.022	536	69	72371	BP #4 GN	1.022	421	51	72661	MANCH09A	1.007	99	35*
72662	MANCH10A	1.007	99	35*	72663	MANCH11A	1.007	99	35*	72666	FRSQ SC1	0.992	43	-5
72667	FRSQ SC2	0.991	43	-2	72668	FRSQ SC3	0.991	42	0	71522	SOM G6	1.005	70	73
71531	OSP1 PF	1.002	77	2	71532	OSP2 PF	1.002	77	2	71533	OSP3 PF	1.001	108	2
71534	OSP4 PF	1.002	77	2	71535	OSP5 PF	1.002	77	2	71536	OSP6 PF	1.001	108	2
71946	SALEM G1	1.028	79	16	71947	SALEM G2	1.028	78	16	71948	SALEM G3	1.025	143	31
71949	SALEM G4	1.026	400	94	72869	SBRK G1	1.008	1150	272	72868	NWNGT G1	0.987	406	28
72870	SCHILLER	1.015	48	25*	72871	SCHILLER	1.015	50	25*	72872	SCHILLER	1.015	48	25*
72866	MERMK G1	1.040	113	33	72867	MERMK G2	1.040	320	93	72702	CONEDG1	0.996	168	28
72703	CONEDG2	0.996	168	28	72704	CONEDG3	0.994	195	28	72243	MILLENCT	1.013	273	59
72244	MILLENST	1.011	117	27	72378	BELL #2	1.092	270	150*	72512	BRSWP G1	0.985	280	52
72513	BRSWP G2	0.985	280	52	72986	BERKPWR	1.027	280	28	73072	ALT12 PF	1.025	65	14*
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.024	80	14	73069	MAPR1 PF	1.027	56	29
73080	WSPFLD 3	0.998	107	2	73083	NRTHFD12	1.022	500	135*	73084	NRTHFD34	1.022	500	135*
72930	STNYBK1A	1.043	65	11	72931	STNYBK1B	1.043	65	11	72669	TIVER G1	1.051	189	58
72670	TIVER G2	1.048	92	30	72377	BELL #1	1.092	270	150*	72378	BELL #2	1.092	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	627	MIDDLETOWN	630	244	MONTVILLE	0	0
NORWALK	327	76	BRIDGEPORT	895	198	NHHARBOUR	390	112
DEVON	212	65	BRAYTONPT	1971	419	MANCHSTRST	425	98
SOMERSET	70	73	OSP	523	11	NEA	249	135
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	340	MYSTIC	701	269	NEWBOSTON	357	230
SALEMHBR	700	156	SEABROOK	1150	272	NEWINGTON	937	114
SCHILLER	145	75	MERRIMACK	433	125	STONYBROOK	412	65
WYMAN	403	179	VTYANKEE	502	134	BEARSWAMP	560	104
NORTHFIELD	1000	271	MASSPWRR	126	58	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	138	-107	MAINE-NH	-56	-2
NNE-SCOBIE+394	1585	34	SEABROOK-SOUTH	1366	80	NORTH-SOUTH	1687	39
CMFD/MOORE-SO	175	-12	SNDYPOND-SOUTH	2072	200	CONN EXPORT	-2199	222
CONN-MASS	-988	175	CONN-RI	-166	119	SW CONN IMPORT	1797	234
NORWLK-STAMFORD	991	-41	BOSTON IMPORT	3109	279	NEMA/BOS IMPORT	3749	247
SEMA/RI EXPORT	1709	74	CONVEX-REMVEC	-510	122	EAST-WEST	667	-147
NY-NE	-4	-101	PV20	139	-11	CT-LI-1385	0	-48
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0
CHAT-2 = 0
HIGHGATE = 215
MADAWASK = -151
PHII-P1 = 1000
PHII-P2 = 1000
EEL = 74

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	355.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73108 CARD	345	354.
73109 MONTVILE	345	354.	73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	356.
71801 BRAYTN P	345	358.	71811 KENT CO.	345	349.	71326 BRIDGWTR	345	353.
71336 SHERMAN	345	355.	71338 OS POWER	345	355.	71337 WFARNUM	345	353.
70772 W MEDWAY	345	354.	70780 WWALP345	345	352.	70783 PILGRIM	345	358.
70773 NEA 336	345	356.	71193 CANAL	345	355.	71133 CARVER	345	353.
70795 FRMNGHAM	230	232.	70793 MDFRM230	230	237.	70794 MDWLT230	230	238.
70818 MYSTC MA	115	116.	71891 SALEM HR	115	119.	73195 DEVON	115	118.
73709 OLD TOWN	115	116.	73710 HAWTHORN	115	116.	73158 WESTON	115	116.
73198 SOUTHGTN	115	118.	73182 HANOVERB	115	117.	73634 COLONY	115	117.
73633 NO.WALLF	115	117.	73227 E.MERIDN	115	117.	73230 HADDAM	115	119.
73231 BOKUM	115	117.	73265 GREEN HL	115	116.	73153 BRANFORD	115	117.
73703 ASHCREEK	115	118.	73700 PEQUONIC	115	118.	73174 PEACEABL	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25234	NEPOOL_LOAD	27191	NEPOOL_LOSS	662	
NEPOOL_INT	-2636	NEPOOL_LOAD+LOSS	27853			

TABLE B.3 - Base Case PK1D

PK1D.SAV, MILLSTONE UNITS OFF
NE-NY 0, CT IMP 2200

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.011	180	40	73549	SMD1112J	1.051	72	4*	73550	SMD1314J	1.051	72	4*
73551	NORHAR#1	1.005	159	40	73552	NORHAR#2	1.004	168	40	73553	DEVON#7	1.008	106	29
73554	DEVON#8	1.006	106	29	73555	MIDDTN#2	1.001	117	23	73556	MIDDTN#3	0.982	230	23
73557	MIDDTN#4	0.996	400	62	73558	MONTV#5	1.000	81	18	73559	MONTV#6	1.006	402	90
73562	MILL#2	0.000	0	0	73563	MILL#3	0.000	0	0	73565	LAKERD#1	1.012	280	70
73566	LAKERD#2	1.012	280	70	73567	LAKERD#3	1.012	280	70	73574	MILFD#1	1.017	280	11
73575	MILFD#2	1.004	280	-18	73588	MERIDEN1	1.040	167	68	73589	MERIDEN2	1.040	167	68
73590	MERIDEN3	1.036	190	68	73594	WALL LV1	1.025	102	16	73595	WALL LV2	1.025	102	16
73596	WALL LV3	1.025	51	12	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.994	170	89
73648	BPTHBR#3	0.984	375	89	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.978	380	75
73652	BE 11	0.978	170	12	73653	BE 12	0.978	170	12	73654	BE 10 ST	0.975	180	12
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.016	50	9	70366	WF WY #2	1.017	50	9
70367	WF WY #3	1.016	100	19	70368	WF WY #4	1.048	216	141	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.988	502	117
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.047	136	104*
71063	MYST G7	1.026	565	147	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.049	702	242	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	1.005	357	230*
71084	NEA GTPF	1.049	85	38	71085	NEA GTPF	1.049	85	38	71086	NEA STPF	1.050	80	38
71095	ANPBLCK1	1.078	290	106	71096	ANPBLCK2	1.078	290	106	71251	CANAL G1	1.035	566	239*
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	1.031	238	113*	72375	BP #2 GN	1.030	241	113*
72370	BP #3 GN	1.018	536	38	72371	BP #4 GN	1.016	421	28	72661	MANCH09A	1.009	99	35*
72662	MANCH10A	1.009	99	35*	72663	MANCH11A	1.009	99	35*	72666	FRSQ SC1	0.994	43	-5
72667	FRSQ SC2	0.991	43	-3	72668	FRSQ SC3	0.991	42	-2	71522	SOM G6	0.991	70	57
71531	OSP1 PF	1.002	77	0	71532	OSP2 PF	1.002	77	0	71533	OSP3 PF	1.002	108	0
71534	OSP4 PF	1.002	77	0	71535	OSP5 PF	1.002	77	0	71536	OSP6 PF	1.002	108	0
71946	SALEM G1	1.028	79	16	71947	SALEM G2	1.028	78	16	71948	SALEM G3	1.025	143	31
71949	SALEM G4	1.026	400	93	72869	SBRK G1	1.008	1150	265	72868	NWNGT G1	0.986	406	27
72870	SCHILLER	1.013	48	25*	72871	SCHILLER	1.013	50	25*	72872	SCHILLER	1.013	48	25*
72866	MERMK G1	1.041	113	33	72867	MERMK G2	1.041	320	95	72702	CONEDG1	0.996	168	27
72703	CONEDG2	0.996	168	27	72704	CONEDG3	0.994	195	27	72243	MILLENCT	1.010	273	52
72244	MILLENST	1.008	117	24	72378	BELL #2	1.097	270	150*	72512	BRSWP G1	0.985	280	52
72513	BRSWP G2	0.985	280	52	72986	BERKPWR	1.026	280	27	73072	ALT12 PF	1.024	65	14*
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.023	80	14	73069	MAPR1 PF	1.031	56	32
73080	WSPFLD 3	1.001	107	5	73083	NRTHFD12	1.019	500	124*	73084	NRTHFD34	1.019	500	124*
72930	STNYBK1A	1.043	65	10	72931	STNYBK1B	1.043	65	10	72669	TIVER G1	1.051	189	58
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.097	270	150*	72378	BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	0	0	MIDDLETOWN	747	108	MONTVILLE	483	108
NORWALK	327	80	BRIDGEPORT	1065	213	NHHARBOUR	380	75
DEVON	212	58	BRAYTONPT	1971	330	MANCHSTRST	425	95
SOMERSET	70	57	OSP	523	0	NEA	249	115
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	242	MYSTIC	701	251	NEWBOSTON	357	230
SALEMHBR	700	155	SEABROOK	1150	265	NEWINGTON	937	108
SCHILLER	145	75	MERRIMACK	433	128	STONYBROOK	412	59
WYMAN	416	179	VTYANKEE	502	117	BEARSWAMP	560	104
NORTHFIELD	1000	248	MASSPWRR	126	64	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	139	-106	MAINE-NH	-43	-6
NNE-SCOBIE+394	1600	27	SEABROOK-SOUTH	1370	73	NORTH-SOUTH	1712	24
CMFD/MOORE-SO	176	-13	SNDYPOND-SOUTH	2094	185	CONN EXPORT	-2197	311
CONN-MASS	-1020	195	CONN-RI	-226	81	SW CONN IMPORT	1069	290
NORWLK-STAMFORD	993	-34	BOSTON IMPORT	3059	308	NEMA/BOS IMPORT	3749	266
SEMA/RI EXPORT	1647	181	CONVEX-REMVEC	-538	73	EAST-WEST	670	-84
NY-NE	-6	-172	PV20	141	-11	CT-LI-1385	-2	-48
CT-LI-481	347	-34						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	357.	72925 LUDLOW	345	352.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	354.	73108 CARD	345	354.
73109 MONTVILE	345	357.	73110 MILLSTNE	345	355.	73116 MIDDLTWN	345	357.
71801 BRAYTN P	345	358.	71811 KENT CO.	345	351.	71326 BRIDGWTR	345	355.
71336 SHERMAN	345	356.	71338 OS POWER	345	356.	71337 WFARNUM	345	354.
70772 W MEDWAY	345	356.	70780 WWALP345	345	355.	70783 PILGRIM	345	358.
70773 NEA 336	345	358.	71193 CANAL	345	356.	71133 CARVER	345	355.
70795 FRMNGHAM	230	233.	70793 MDFRM230	230	238.	70794 MDWLT230	230	239.
70818 MYSTC MA	115	116.	71891 SALEM HR	115	119.	73195 DEVON	115	118.
73709 OLD TOWN	115	116.	73710 HAWTHORN	115	116.	73158 WESTON	115	116.
73198 SOUTHGTN	115	118.	73182 HANOVERB	115	117.	73634 COLONY	115	117.
73633 NO.WALLF	115	117.	73227 E.MERIDN	115	117.	73230 HADDAM	115	118.
73231 BOKUM	115	117.	73265 GREEN HL	115	116.	73153 BRANFORD	115	117.
73703 ASHCREEK	115	118.	73700 PEQUONIC	115	118.	73174 PEACEABL	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25203	NEPOOL_LOAD	27191	NEPOOL_LOSS	629	
NEPOOL_INT	-2635	NEPOOL_LOAD+LOSS	27820			

TABLE B.4 - Base Case SLHT1B

2003 FERC 715 LIBRARY,LOAD SCALED FOR 2006, SHLT1B
SPRING LIGHT 2006, CT IMPORT 2200

GENERATION

#	V	MW	MX	#	V	MW	MX	#	V	MW	MX
73538 AESTH PF	0.000	0	0*	73549 SMD1112J	0.000	0	0*	73550 SMD1314J	0.000	0	0*
73551 NORHAR#1	0.000	0	0*	73552 NORHAR#2	0.000	0	0*	73553 DEVON#7	0.000	0	0*
73554 DEVON#8	0.000	0	0*	73555 MIDDTN#2	0.000	0	0*	73556 MIDDTN#3	0.000	0	0*
73557 MIDDTN#4	0.000	0	0*	73558 MONTV#5	0.000	0	0*	73559 MONTV#6	0.000	0	0*
73562 MILL#2	0.000	0	0*	73563 MILL#3	0.000	0	0*	73565 LAKERD#1	0.000	0	0*
73566 LAKERD#2	1.024	280	98	73567 LAKERD#3	1.024	280	98	73574 MILFD#1	0.000	0	0
73575 MILFD#2	1.013	280	33	73588 MERIDEN1	0.000	0	0	73589 MERIDEN2	0.000	0	0
73590 MERIDEN3	0.000	0	0	73594 WALL LV1	0.000	0	0	73595 WALL LV2	0.000	0	0
73596 WALL LV3	0.000	0	0	73646 BPTHBR#1	0.000	0	0	73647 BPTHBR#2	0.000	0	0
73648 BPTHBR#3	0.000	0	0	73649 BPTHBR#4	0.000	0	0	73651 NH HARBR	0.000	0	0
73652 BE 11	1.005	170	41	73653 BE 12	1.005	170	41	73654 BE 10 ST	0.000	0	0
73085 MT.TOM	1.009	146	0	70365 WF WY #1	0.000	0	0	70366 WF WY #2	0.000	0	0
70367 WF WY #3	0.000	0	0	70368 WF WY #4	0.996	278	-17	70386 WBK G1	1.040	172	71
70387 WBK G2	1.040	172	71	70388 WBK G3	1.040	187	73	70705 VTYAK G	0.979	502	150*
71060 MYST G4	1.002	133	10	71061 MYST 5G	1.015	126	10	71062 MYST G6	1.015	136	10
71063 MYST G7	0.983	300	-150	71064 MYST J1	0.000	0	0	71065	0.000	0	0
71094 PLGRM G1	0.000	0	0	71073 N.BOST 1	0.954	350	-128	71074 N.BOST 2	0.000	0	0
71084 NEA GTPF	0.000	0	0	71085 NEA GTPF	0.000	0	0	71086 NEA STPF	0.000	0	0
71095 ANPBLCK1	0.000	0	0	71096 ANPBLCK2	0.000	0	0	71251 CANAL G1	0.981	566	44
71252 CANAL G2	0.997	576	44	72372 BP #1 GN	0.000	0	0	72375 BP #2 GN	0.988	232	42
72370 BP #3 GN	0.967	437	-181	72371 BP #4 GN	0.000	0	0	72661 MANCH09A	0.000	0	0
72662 MANCH10A	0.000	0	0	72663 MANCH11A	0.000	0	0	72666 FRSQ SC1	0.000	0	0
72667 FRSQ SC2	0.000	0	0	72668 FRSQ SC3	0.000	0	0	71522 SOM G6	0.953	105	0
71531 OSP1 PF	1.020	77	13	71532 OSP2 PF	1.020	77	13	71533 OSP3 PF	1.020	108	17
71534 OSP4 PF	0.000	0	0	71535 OSP5 PF	0.000	0	0	71536 OSP6 PF	1.020	108	17
71946 SALEM G1	0.984	79	-23	71947 SALEM G2	0.990	78	-8	71948 SALEM G3	0.980	143	-37
71949 SALEM G4	0.000	0	0	72869 SBRK G1	1.006	1150	241	72868 NWNGT G1	0.000	0	0
72870 SCHILLER	1.011	48	12	72871 SCHILLER	1.010	50	12	72872 SCHILLER	1.011	48	12
72866 MERMK G1	1.027	113	15	72867 MERMK G2	1.027	320	43	72702	0.000	0	0
72703	0.000	0	0	72704	0.000	0	0	72243 MILLENCT	0.000	0	0
72244 MILLENST	0.000	0	0	72378 BELL #2	0.000	0	0	72512 BRSWP G1	0.965	-280	56
72513 BRSWP G2	0.965	-280	56	72986 BERKPWR	1.107	280	150*	73072 ALT12 PF	1.016	65	7
71739 TAUNTON	0.000	0	0	73073 ALT34 PF	1.015	81	7	73069 MAPR1 PF	0.984	83	-1
73080 WSPFLD 3	0.978	107	-37	73083 NRTHFD12	0.956	-500	6	73084 NRTHFD34	0.956	-500	6
72930 STNYBK1A	1.043	65	19	72931 STNYBK1B	1.043	65	19	72669 TIVER G1	0.999	189	-17
72670 TIVER G2	0.000	0	0	72377 BELL #1	0.000	0	0	72378 BELL #2	0.000	0	0

	MW	MX		MW	MX		MW	MX
MILLSTONE	0	0	MIDDLETOWN	0	0	MONTVILLE	0	0
NORWALK	0	0	BRIDGEPORT	340	82	NHHARBOUR	0	0
DEVON	0	0	BRAYTONPT	1107	-319	MANCHSTRST	0	0
SOMERSET	105	0	OSP	369	60	NEA	0	0
PAWTKTPWR	63	-10	ENRON	152	-42	CANAL	1142	88
PILGRIM	0	0	MYSTIC	695	-120	NEWBOSTON	350	-128
SALEMHBR	300	-68	SEABROOK	1150	241	NEWINGTON	0	0
SCHILLER	145	36	MERRIMACK	433	57	STONYBROOK	410	117
WYMAN	278	-17	VTYANKEE	502	150	BEARSWAMP	-560	111
NORTHFIELD	-1000	11	MASSPWRR	244	-2	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	453	10	MEYANKEE-SOUTH	455	-69	MAINE-NH	1392	-53
NNE-SCOBIE+394	2280	50	SEABROOK-SOUTH	1111	84	NORTH-SOUTH	2561	-35
CMFD/MOORE-SO	45	-47	SNDYPOND-SOUTH	651	-34	CONN EXPORT	-2180	256
CONN-MASS	-1102	172	CONN-RI	-645	116	SW CONN IMPORT	467	-120
NORWLK-STAMFORD	495	48	BOSTON IMPORT	274	11	NEMA/BOS IMPORT	440	3
SEMA/RI EXPORT	1051	-197	CONVEX-REMVEC	-2065	213	EAST-WEST	2647	-158
NY-NE	17	101	PV20	100	-11	CT-LI-1385	197	-48

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 197
MADAWASK = -100	PHII-P1 = 0	PHII-P2 = 0
EEL = 49		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	356.	72694 SEBRK345	345	357.	71789 TEWKS	345	356.
70759 MYSTIC	345	357.	71797 MILLBURY	345	355.	72925 LUDLOW	345	353.
72926 NRTHFLD	345	351.	73106 SOUTHGTN	345	355.	73108 CARD	345	356.
73109 MONTVILE	345	355.	73110 MILLSTNE	345	356.	73116 MIDDLTWN	345	356.
71801 BRAYTN P	345	352.	71811 KENT CO.	345	353.	71326 BRIDGWTR	345	355.
71336 SHERMAN	345	356.	71338 OS POWER	345	356.	71337 WFARNUM	345	354.
70772 W MEDWAY	345	355.	70780 WWALP345	345	355.	70783 PILGRIM	345	355.
70773 NEA 336	345	355.	71193 CANAL	345	355.	71133 CARVER	345	355.
70795 FRMNGHAM	230	237.	70793 MDFRM230	230	237.	70794 MDWLT230	230	237.
70818 MYSTC MA	115	119.	71891 SALEM HR	115	117.	73195 DEVON	115	119.
73709 OLD TOWN	115	117.	73710 HAWTHORN	115	117.	73158 WESTON	115	116.
73198 SOUTHGTN	115	118.	73182 HANOVERB	115	118.	73634 COLONY	115	118.
73633 NO.WALLF	115	117.	73227 E.MERIDN	115	117.	73230 HADDAM	115	118.
73231 BOKUM	115	117.	73265 GREEN HL	115	118.	73153 BRANFORD	115	119.
73703 ASHCREEK	115	117.	73700 PEQUONIC	115	118.	73174 PEACEABL	115	116.
71403 WFARNUM	115	118.	72539 WOLFHILL	115	118.	72581 WOOD RIV	115	115.

AREA/ZONE TOTALS

NEPOOL_GEN	11339	NEPOOL_LOAD	11408	NEPOOL_LOSS	356
NEPOOL_INT	-659	NEPOOL_LOAD+LOSS	11764		

TABLE B.5 - Base Case SLHT1C

2003 FERC 715 LIBRARY,LOADS SCALED FOR 2006,SLHT1C
SPRING LIGHT 2006, CONNETICUT EXPORT 2200

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	0.993	180	15	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.023	159	80*	73552	NORHAR#2	0.000	0	0	73553	DEVON#7	0.958	107	-19
73554	DEVON#8	0.960	107	-20	73555	MIDDTN#2	0.954	117	-10	73556	MIDDTN#3	0.952	233	-10
73557	MIDDTN#4	1.028	400	176	73558	MONTV#5	0.979	81	7	73559	MONTV#6	0.990	400	35
73562	MILL#2	0.982	857	10	73563	MILL#3	0.000	0	0	73565	LAKERD#1	0.000	0	0
73566	LAKERD#2	1.007	280	59	73567	LAKERD#3	1.007	280	59	73574	MILFD#1	1.018	280	45
73575	MILFD#2	1.018	280	45	73588	MERIDEN1	1.040	172	68	73589	MERIDEN2	1.040	172	68
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.989	150	33
73648	BPTHBR#3	0.971	375	33	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.967	447	0
73652	BE 11	0.971	170	4	73653	BE 12	0.971	170	4	73654	BE 10 ST	0.967	180	4
73085	MT.TOM	0.000	0	0	70365	WF WY #1	0.000	0	0	70366	WF WY #2	0.000	0	0
70367	WF WY #3	0.000	0	0	70368	WF WY #4	0.985	92	-75	70386	WBK G1	1.040	172	87
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.990	502	150*
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	0.000	0	0
71063	MYST G7	0.000	0	0	71064	MYST J1	0.000	0	0	71065		0.000	0	0
71094	PLGRM G1	0.000	0	0	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	0.000	0	0
71084	NEA GTPF	0.000	0	0	71085	NEA GTPF	0.000	0	0	71086	NEA STPF	0.000	0	0
71095	ANPBLCK1	0.000	0	0	71096	ANPBLCK2	0.000	0	0	71251	CANAL G1	0.975	566	25
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	0.000	0	0	72375	BP #2 GN	0.987	232	38
72370	BP #3 GN	0.968	437	-173	72371	BP #4 GN	0.000	0	0	72661	MANCH09A	0.000	0	0
72662	MANCH10A	0.000	0	0	72663	MANCH11A	0.000	0	0	72666	FRSQ SC1	0.000	0	0
72667	FRSQ SC2	0.000	0	0	72668	FRSQ SC3	0.000	0	0	71522	SOM G6	0.953	105	0
71531	OSP1 PF	0.000	0	0	71532	OSP2 PF	0.000	0	0	71533	OSP3 PF	0.000	0	0
71534	OSP4 PF	0.000	0	0	71535	OSP5 PF	0.000	0	0	71536	OSP6 PF	0.000	0	0
71946	SALEM G1	0.000	0	0	71947	SALEM G2	0.000	0	0	71948	SALEM G3	0.000	0	0
71949	SALEM G4	0.000	0	0	72869	SBRK G1	0.990	1150	36	72868	NWNGT G1	0.000	0	0
72870	SCHILLER	1.001	48	7	72871	SCHILLER	1.001	50	7	72872	SCHILLER	1.001	48	7
72866	MERMK G1	0.000	0	0	72867	MERMK G2	0.000	0	0	72702		0.000	0	0
72703		0.000	0	0	72704		0.000	0	0	72243	MILLENCT	0.000	0	0
72244	MILLENST	0.000	0	0	72378	BELL #2	0.000	0	0	72512	BRSWP G1	0.969	-280	64
72513	BRSWP G2	0.969	-280	64	72986	BERKPWR	0.000	0	0	73072	ALT12 PF	1.018	65	8
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.016	81	8	73069	MAPR1 PF	0.000	0	0
73080	WSPFLD 3	0.000	0	0	73083	NRTHFD12	0.934	-500	-66	73084	NRTHFD34	0.934	-500	-66
72930	STNYBK1A	1.043	65	21	72931	STNYBK1B	1.043	65	21	72669	TIVER G1	1.000	189	-16
72670	TIVER G2	0.000	0	0	72377	BELL #1	0.000	0	0	72378	BELL #2	0.000	0	0

	MW	MX		MW	MX		MW	MX
MILLSTONE	857	10	MIDDLETOWN	750	155	MONTVILLE	481	42
NORWALK	159	80	BRIDGEPORT	1045	78	NHHARBOUR	447	0
DEVON	214	-39	BRAYTONPT	1107	-309	MANCHSTRST	0	0
SOMERSET	105	0	OSP	0	0	NEA	0	0
PAWTKTPWR	63	-10	ENRON	152	-35	CANAL	566	25
PILGRIM	0	0	MYSTIC	0	0	NEWBOSTON	0	0
SALEMHBR	0	0	SEABROOK	1150	36	NEWINGTON	0	0
SCHILLER	145	20	MERRIMACK	0	0	STONYBROOK	280	87
WYMAN	92	-75	VTYANKEE	502	150	BEARSWAMP	-560	127
NORTHFIELD	-1000	-131	MASSPWRR	78	36	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	453	4	MEYANKEE-SOUTH	404	-67	MAINE-NH	667	-82
NNE-SCOBIE+394	1533	-126	SEABROOK-SOUTH	1037	-62	NORTH-SOUTH	1575	69
CMFD/MOORE-SO	53	-49	SNDYPOND-SOUTH	380	-47	CONN EXPORT	2215	-215
CONN-MASS	854	-20	CONN-RI	1000	12	SW CONN IMPORT	-849	185
NORWLK-STAMFORD	340	9	BOSTON IMPORT	1816	-250	NEMA/BOS IMPORT	2007	-258
SEMA/RI EXPORT	121	-161	CONVEX-REMVEC	1213	-210	EAST-WEST	-919	35
NY-NE	30	183	PV20	140	-19	CT-LI-1385	233	-54

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 197
MADAWASK = -100	PHII-P1 = 0	PHII-P2 = 0
EEL = 49		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	360.
70759 MYSTIC	345	361.	71797 MILLBURY	345	356.	72925 LUDLOW	345	354.
72926 NRTHFLD	345	351.	73106 SOUTHGTN	345	354.	73108 CARD	345	357.
73109 MONTVILE	345	357.	73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	360.
71801 BRAYTN P	345	352.	71811 KENT CO.	345	353.	71326 BRIDGWTR	345	355.
71336 SHERMAN	345	355.	71338 OS POWER	345	355.	71337 WFARNUM	345	354.
70772 W MEDWAY	345	355.	70780 WWALP345	345	355.	70783 PILGRIM	345	356.
70773 NEA 336	345	355.	71193 CANAL	345	355.	71133 CARVER	345	356.
70795 FRMNGHAM	230	236.	70793 MDFRM230	230	237.	70794 MDWLT230	230	237.
70818 MYSTC MA	115	120.	71891 SALEM HR	115	120.	73195 DEVON	115	118.
73709 OLD TOWN	115	117.	73710 HAWTHORN	115	117.	73158 WESTON	115	117.
73198 SOUTHGTN	115	118.	73182 HANOVERB	115	118.	73634 COLONY	115	118.
73633 NO.WALLF	115	118.	73227 E.MERIDN	115	118.	73230 HADDAM	115	118.
73231 BOKUM	115	117.	73265 GREEN HL	115	117.	73153 BRANFORD	115	118.
73703 ASHCREEK	115	118.	73700 PEQUONIC	115	118.	73174 PEACEABL	115	116.
71403 WFARNUM	115	118.	72539 WOLFHILL	115	118.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	11278	NEPOOL_LOAD	11408	NEPOOL_LOSS	297	
NEPOOL_INT	-660	NEPOOL_LOAD+LOSS	11705			

Table B.6- Post-Project Pk22B

PK22B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AESTH ON
NE-NY 0, CT IMP 2200, TRACY AUTO

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.029	180	80*	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.004	159	39	73552	NORHAR#2	1.004	168	39	73553	DEVON#7	1.026	106	47*
73554	DEVON#8	1.023	106	47*	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.990	230	45
73557	MIDDTN#4	1.022	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.005	940	252	73563	MILL#3	0.999	1260	252	73565	LAKERD#1	1.017	280	81
73566	LAKERD#2	1.017	280	81	73567	LAKERD#3	1.017	280	81	73574	MILFD#1	1.017	280	12
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	1.001	375	157	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.985	370	115
73652	BE 11	0.987	170	20	73653	BE 12	0.987	170	20	73654	BE 10 ST	0.984	180	20
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.017	50	9	70366	WF WY #2	1.017	50	9
70367	WF WY #3	1.016	100	19	70368	WF WY #4	1.047	294	142	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.992	502	132
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.047	136	104*
71063	MYST G7	1.026	565	148	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.050	702	243	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	1.005	357	230*
71084	NEA GTPF	1.050	85	39	71085	NEA GTPF	1.050	85	39	71086	NEA STPF	1.050	80	39
71095	ANPBLCK1	1.079	290	108	71096	ANPBLCK2	1.079	290	108	71251	CANAL G1	1.035	566	239*
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	1.031	238	113*	72375	BP #2 GN	1.030	241	113*
72370	BP #3 GN	1.018	536	38	72371	BP #4 GN	1.016	421	29	72661	MANCH09A	1.009	99	35*
72662	MANCH10A	1.009	99	35*	72663	MANCH11A	1.009	99	35*	72666	FRSQ SC1	0.994	43	-5
72667	FRSQ SC2	0.991	43	-3	72668	FRSQ SC3	0.991	42	-2	71522	SOM G6	0.992	70	57
71531	OSP1 PF	1.002	77	0	71532	OSP2 PF	1.002	77	0	71533	OSP3 PF	1.002	108	0
71534	OSP4 PF	1.002	77	0	71535	OSP5 PF	1.002	77	0	71536	OSP6 PF	1.002	108	0
71946	SALEM G1	1.028	79	16	71947	SALEM G2	1.028	78	16	71948	SALEM G3	1.025	143	31
71949	SALEM G4	1.026	400	93	72869	SBRK G1	1.008	1150	268	72868	NWNGT G1	0.987	406	28
72870	SCHILLER	1.015	48	25*	72871	SCHILLER	1.015	50	25*	72872	SCHILLER	1.015	48	25*
72866	MERMK G1	1.040	113	32	72867	MERMK G2	1.040	320	91	72702	CONEDG1	0.996	168	28
72703	CONEDG2	0.996	168	28	72704	CONEDG3	0.994	195	28	72243	MILLENCT	1.010	273	53
72244	MILLENST	1.008	117	24	72378	BELL #2	1.097	270	150*	72512	BRSWP G1	0.985	280	51
72513	BRSWP G2	0.985	280	51	72986	BERKPWR	1.028	280	30	73072	ALT12 PF	1.025	65	14*
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.024	80	14	73069	MAPR1 PF	1.047	56	47*
73080	WSPFLD 3	1.001	107	6	73083	NRTHFD12	1.022	500	133*	73084	NRTHFD34	1.021	500	133*
72930	STNYBK1A	1.043	65	10	72931	STNYBK1B	1.043	65	10	72669	TIVER G1	1.051	189	58
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.097	270	150*	72378	BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	505	MIDDLETOWN	630	245	MONTVILLE	0	0
NORWALK	327	79	BRIDGEPORT	895	218	NHHARBOUR	370	115
DEVON	212	94	BRAYTONPT	1971	332	MANCHSTRST	425	95
SOMERSET	70	57	OSP	523	0	NEA	249	117
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	243	MYSTIC	701	252	NEWBOSTON	357	230
SALEMHBR	700	155	SEABROOK	1150	268	NEWINGTON	937	111
SCHILLER	145	75	MERRIMACK	433	123	STONYBROOK	412	63
WYMAN	494	179	VTYANKEE	502	132	BEARSWAMP	560	102
NORTHFIELD	1000	265	MASSPWRR	56	47	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	124	-105	MAINE-NH	7	-8
NNE-SCOBIE+394	1642	25	SEABROOK-SOUTH	1377	76	NORTH-SOUTH	1750	24
CMFD/MOORE-SO	175	-12	SNDYPOND-SOUTH	2105	185	CONN EXPORT	-2186	137
CONN-MASS	-928	165	CONN-RI	-214	77	SW CONN IMPORT	1878	234
NORWLK-STAMFORD	991	-44	BOSTON IMPORT	3059	308	NEMA/BOS IMPORT	3749	266
SEMA/RI EXPORT	1648	188	CONVEX-REMVEC	-562	66	EAST-WEST	717	-80
NY-NE	-3	-96	PV20	139	-10	CT-LI-1385	-2	-48
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 74		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	356.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73123 TRACY	345	357.
73119 LAKEROAD	345	357.	73108 CARD	345	355.	73109 MONTVILE	345	356.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	356.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	351.	71326 BRIDGWTR	345	355.	71336 SHERMAN	345	356.
71338 OS POWER	345	356.	71337 WFARNUM	345	354.	70772 W MEDWAY	345	356.
70780 WWALP345	345	355.	70783 PILGRIM	345	358.	70773 NEA 336	345	358.
71193 CANAL	345	356.	71133 CARVER	345	355.	70795 FRMNGHAM	230	233.
70793 MDFRM230	230	238.	70794 MDWLT230	230	239.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	118.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	119.	73270 BROOKLYN	115	118.	73213 TUNNEL	115	117.
73612 BEAN HLL	115	117.	73218 STKHOUSE	115	116.	73291 FORTHF	115	117.
73611 DUDLEY T	115	117.	73210 MONTVLLE	115	118.	73215 CARD	115	115.
73217 BUDDGTN	115	117.	73177 MYSTICCT	115	117.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25213	NEPOOL_LOAD	27182	NEPOOL_LOSS	650	
NEPOOL_INT	-2637	NEPOOL_LOAD+LOSS	27833			

Table B.7- Pk22B-2

PK22B-2.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200,AESTH ON, LR OFF, NO TRACY AUTO

GENERATION

#	V	MW	MX	#	V	MW	MX	#	V	MW	MX
73538 AESTH PF	1.024	180	80*	73549 SMD1112J	0.000	0	0	73550 SMD1314J	0.000	0	0
73551 NORHAR#1	1.004	159	39	73552 NORHAR#2	1.004	168	39	73553 DEVON#7	1.026	106	47*
73554 DEVON#8	1.023	106	47*	73555 MIDDTN#2	0.000	0	0	73556 MIDDTN#3	0.991	230	48
73557 MIDDTN#4	1.021	400	200*	73558 MONTV#5	0.000	0	0	73559 MONTV#6	0.000	0	0
73562 MILL#2	1.009	940	288	73563 MILL#3	1.002	1260	288	73565 LAKERD#1	0.000	0	0
73566 LAKERD#2	0.000	0	0	73567 LAKERD#3	0.000	0	0	73574 MILFD#1	1.017	280	12
73575 MILFD#2	0.000	0	0	73588 MERIDEN1	0.000	0	0	73589 MERIDEN2	0.000	0	0
73590 MERIDEN3	0.000	0	0	73594 WALL LV1	0.000	0	0	73595 WALL LV2	0.000	0	0
73596 WALL LV3	0.000	0	0	73646 BPTHBR#1	0.000	0	0	73647 BPTHBR#2	0.000	0	0
73648 BPTHBR#3	1.001	375	157	73649 BPTHBR#4	0.000	0	0	73651 NH HARBR	0.986	370	118
73652 BE 11	0.987	170	20	73653 BE 12	0.987	170	20	73654 BE 10 ST	0.984	180	20
73085 MT.TOM	0.996	146	5	70365 WF WY #1	1.017	50	10	70366 WF WY #2	1.017	50	10
70367 WF WY #3	1.017	100	20	70368 WF WY #4	1.051	517	175	70386 WBK G1	0.000	0	0
70387 WBK G2	0.000	0	0	70388 WBK G3	0.000	0	0	70705 VTYAK G	0.992	633	150*
71060 MYST G4	0.000	0	0	71061 MYST 5G	0.000	0	0	71062 MYST G6	1.047	136	104*
71063 MYST G7	1.027	565	153	71064 MYST J1	0.000	0	0	71065 CABOTCMB	0.000	0	0
71094 PLGRM G1	1.049	702	238	71073 N.BOST 1	0.000	0	0	71074 N.BOST 2	1.005	357	230*
71084 NEA GTPF	1.049	85	38	71085 NEA GTPF	1.049	85	38	71086 NEA STPF	1.050	80	38
71095 ANPBLCK1	1.090	290	131	71096 ANPBLCK2	1.090	290	131	71251 CANAL G1	1.036	566	239*
71252 CANAL G2	0.000	0	0	72372 BP #1 GN	1.030	238	112*	72375 BP #2 GN	1.030	241	112*
72370 BP #3 GN	1.019	536	45	72371 BP #4 GN	1.018	421	34	72661 MANCH09A	1.008	99	35*
72662 MANCH10A	1.008	99	35*	72663 MANCH11A	1.008	99	35*	72666 FRSQ SC1	0.993	43	-5
72667 FRSQ SC2	0.991	43	-2	72668 FRSQ SC3	0.991	42	-1	71522 SOM G6	0.992	70	58
71531 OSP1 PF	1.004	77	3	71532 OSP2 PF	1.004	77	3	71533 OSP3 PF	1.003	108	4
71534 OSP4 PF	1.004	77	3	71535 OSP5 PF	1.004	77	3	71536 OSP6 PF	1.003	108	4
71946 SALEM G1	1.028	79	16	71947 SALEM G2	1.028	78	16	71948 SALEM G3	1.025	143	31
71949 SALEM G4	1.026	400	94	72869 SBRK G1	1.009	1150	289	72868 NWNGT G1	0.987	406	29
72870 SCHILLER	1.015	48	25*	72871 SCHILLER	1.015	50	25*	72872 SCHILLER	1.015	48	25*
72866 MERMK G1	1.041	113	34	72867 MERMK G2	1.041	320	96	72702 CONEDG1	0.996	168	29
72703 CONEDG2	0.996	168	29	72704 CONEDG3	0.994	195	29	72243 MILLENCT	1.011	273	54
72244 MILLENST	1.009	117	24	72378 BELL #2	1.097	270	150*	72512 BRSWP G1	0.985	280	52
72513 BRSWP G2	0.985	280	52	72986 BERKPWR	1.040	280	52	73072 ALT12 PF	1.026	65	15*
71739 TAUNTON	0.000	0	0	73073 ALT34 PF	1.024	80	15	73069 MAPR1 PF	1.016	56	20
73080 WSPFLD 3	1.000	107	4	73083 NRTHFD12	1.026	540	153*	73084 NRTHFD34	1.026	540	153*
72930 STNYBK1A	1.043	65	10	72931 STNYBK1B	1.043	65	10	72669 TIVER G1	1.051	189	58
72670 TIVER G2	1.047	92	30	72377 BELL #1	1.097	270	150*	72378 BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	576	MIDDLETOWN	630	248	MONTVILLE	0	0
NORWALK	327	77	BRIDGEPORT	895	218	NHHARBOUR	370	118
DEVON	212	94	BRAYTONPT	1971	349	MANCHSTRST	425	97
SOMERSET	70	58	OSP	523	18	NEA	249	115
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	238	MYSTIC	701	257	NEWBOSTON	357	230
SALEMHBR	700	156	SEABROOK	1150	289	NEWINGTON	937	114
SCHILLER	145	75	MERRIMACK	433	129	STONYBROOK	412	63
WYMAN	717	214	VTYANKEE	633	150	BEARSWAMP	560	105
NORTHFIELD	1080	307	MASSPWRR	256	61	GLENBROOK	0	0

INTERFACE FLOWS

	MW	MX		MW	MX		MW	MX
NB-NE	712	-46	MEYANKEE-SOUTH	125	-103	MAINE-NH	228	-30
NNE-SCOBIE+394	1842	33	SEABROOK-SOUTH	1425	91	NORTH-SOUTH	2117	13
CMFD/MOORE-SO	181	-24	SNDYPOND-SOUTH	2249	170	CONN EXPORT	-2184	257
CONN-MASS	-1249	224	CONN-RI	-643	54	SW CONN IMPORT	1877	236
NORWLK-STAMFORD	991	-43	BOSTON IMPORT	3055	289	NEMA/BOS IMPORT	3749	253
SEMA/RI EXPORT	1683	265	CONVEX-REMVEC	-962	37	EAST-WEST	946	-27
NY-NE	-3	-89	PV20	131	-10	CT-LI-1385	2	-50
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	356.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73123 TRACY	345	354.
73119 LAKEROAD	345	354.	73108 CARD	345	354.	73109 MONTVILE	345	355.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	356.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	350.	71326 BRIDGWTR	345	355.	71336 SHERMAN	345	355.
71338 OS POWER	345	355.	71337 WFARNUM	345	353.	70772 W MEDWAY	345	356.
70780 WWALP345	345	355.	70783 PILGRIM	345	358.	70773 NEA 336	345	358.
71193 CANAL	345	356.	71133 CARVER	345	355.	70795 FRMNGHAM	230	234.
70793 MDFRM230	230	239.	70794 MDWLT230	230	240.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	118.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	109. L	73270 BROOKLYN	115	109. L	73213 TUNNEL	115	112.
73612 BEAN HLL	115	113.	73218 STKHOUSE	115	115.	73291 FORTHF	115	116.
73611 DUDLEY T	115	114.	73210 MONTVLLE	115	117.	73215 CARD	115	114.
73217 BUDDGTN	115	116.	73177 MYSTICCT	115	116.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	113.

AREA/ZONE TOTALS

NEPOOL_GEN	25225	NEPOOL_LOAD	27182	NEPOOL_LOSS	662
NEPOOL_INT	-2637	NEPOOL_LOAD+LOSS	27844		

Table B.8 – Pk22B-2A

PK22B-2A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200,AESTH ON, LR OFF, TRACY AUTO

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.029	180	80*	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.004	159	39	73552	NORHAR#2	1.004	168	39	73553	DEVON#7	1.026	106	47*
73554	DEVON#8	1.023	106	47*	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.991	230	45
73557	MIDDTN#4	1.022	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.005	940	248	73563	MILL#3	0.998	1260	248	73565	LAKERD#1	0.000	0	0
73566	LAKERD#2	0.000	0	0	73567	LAKERD#3	0.000	0	0	73574	MILFD#1	1.017	280	12
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	1.000	375	156	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.985	370	112
73652	BE 11	0.986	170	20	73653	BE 12	0.986	170	20	73654	BE 10 ST	0.984	180	20
73085	MT.TOM	0.996	146	5	70365	WF WY #1	1.017	50	10	70366	WF WY #2	1.017	50	10
70367	WF WY #3	1.017	100	20	70368	WF WY #4	1.051	514	174	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.992	633	150*
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.047	136	104*
71063	MYST G7	1.027	565	153	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.049	702	237	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	1.005	357	230*
71084	NEA GTPF	1.049	85	38	71085	NEA GTPF	1.049	85	38	71086	NEA STPF	1.049	80	38
71095	ANPBLCK1	1.090	290	131	71096	ANPBLCK2	1.090	290	131	71251	CANAL G1	1.036	566	239*
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	1.030	238	112*	72375	BP #2 GN	1.030	241	112*
72370	BP #3 GN	1.019	536	44	72371	BP #4 GN	1.018	421	33	72661	MANCH09A	1.008	99	35*
72662	MANCH10A	1.008	99	35*	72663	MANCH11A	1.008	99	35*	72666	FRSQ SC1	0.993	43	-5
72667	FRSQ SC2	0.991	43	-3	72668	FRSQ SC3	0.991	42	-1	71522	SOM G6	0.992	70	57
71531	OSP1 PF	1.011	77	8	71532	OSP2 PF	1.011	77	8	71533	OSP3 PF	1.010	108	10
71534	OSP4 PF	1.011	77	8	71535	OSP5 PF	1.011	77	8	71536	OSP6 PF	1.010	108	10
71946	SALEM G1	1.028	79	16	71947	SALEM G2	1.028	78	16	71948	SALEM G3	1.025	143	31
71949	SALEM G4	1.026	400	94	72869	SBRK G1	1.009	1150	289	72868	NWNGT G1	0.987	406	28
72870	SCHILLER	1.015	48	25*	72871	SCHILLER	1.015	50	25*	72872	SCHILLER	1.015	48	25*
72866	MERMK G1	1.041	113	34	72867	MERMK G2	1.041	320	96	72702	CONEDG1	0.996	168	28
72703	CONEDG2	0.996	168	28	72704	CONEDG3	0.994	195	28	72243	MILLENCT	1.011	273	54
72244	MILLENST	1.009	117	24	72378	BELL #2	1.097	270	150*	72512	BRSWP G1	0.985	280	53
72513	BRSWP G2	0.985	280	53	72986	BERKPWR	1.038	280	48	73072	ALT12 PF	1.025	65	15*
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.024	80	15	73069	MAPR1 PF	1.016	56	20
73080	WSPFLD 3	0.999	107	3	73083	NRTHFD12	1.025	540	150*	73084	NRTHFD34	1.025	540	150*
72930	STNYBK1A	1.043	65	10	72931	STNYBK1B	1.043	65	10	72669	TIVER G1	1.051	189	58
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.097	270	150*	72378	BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	496	MIDDLETOWN	630	245	MONTVILLE	0	0
NORWALK	327	77	BRIDGEPORT	895	217	NHHARBOUR	370	112
DEVON	212	94	BRAYTONPT	1971	345	MANCHSTRST	425	96
SOMERSET	70	57	OSP	523	52	NEA	249	114
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	237	MYSTIC	701	257	NEWBOSTON	357	230
SALEMHBR	700	156	SEABROOK	1150	289	NEWINGTON	937	114
SCHILLER	145	75	MERRIMACK	433	130	STONYBROOK	412	61
WYMAN	714	213	VTYANKEE	633	150	BEARSWAMP	560	105
NORTHFIELD	1080	300	MASSPWRR	256	60	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	125	-103	MAINE-NH	224	-30
NNE-SCOBIE+394	1839	33	SEABROOK-SOUTH	1426	92	NORTH-SOUTH	2114	14
CMFD/MOORE-SO	181	-24	SNDYPOND-SOUTH	2254	169	CONN EXPORT	-2180	216
CONN-MASS	-1208	219	CONN-RI	-695	25	SW CONN IMPORT	1877	237
NORWLK-STAMFORD	991	-43	BOSTON IMPORT	3055	288	NEMA/BOS IMPORT	3749	252
SEMA/RI EXPORT	1686	303	CONVEX-REMVEC	-966	6	EAST-WEST	945	11
NY-NE	-7	-92	PV20	132	-10	CT-LI-1385	-1	-49
CT-LI-481	347	-87						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	356.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73123 TRACY	345	353.
73119 LAKEROAD	345	353.	73108 CARD	345	354.	73109 MONTVILE	345	356.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	356.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	350.	71326 BRIDGWTR	345	355.	71336 SHERMAN	345	355.
71338 OS POWER	345	355.	71337 WFARNUM	345	353.	70772 W MEDWAY	345	356.
70780 WWALP345	345	355.	70783 PILGRIM	345	358.	70773 NEA 336	345	358.
71193 CANAL	345	356.	71133 CARVER	345	355.	70795 FRMNGHAM	230	234.
70793 MDFRM230	230	239.	70794 MDWLT230	230	240.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	118.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	118.	73270 BROOKLYN	115	117.	73213 TUNNEL	115	116.
73612 BEAN HLL	115	117.	73218 STKHOUSE	115	116.	73291 FORTHF	115	117.
73611 DUDLEY T	115	117.	73210 MONTVLLE	115	118.	73215 CARD	115	115.
73217 BUDDGTN	115	117.	73177 MYSTICCT	115	117.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25221	NEPOOL_LOAD	27182	NEPOOL_LOSS	654
NEPOOL_INT	-2633	NEPOOL_LOAD+LOSS	27837		

Table B.9 – Pk22B-3

PK22B-3.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200,AESTH ON, LR ON, NO TRACY AUTO

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.023	180	80*	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.004	159	39	73552	NORHAR#2	1.004	168	39	73553	DEVON#7	1.026	106	47*
73554	DEVON#8	1.023	106	47*	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.991	230	47
73557	MIDDTN#4	1.021	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.010	940	301	73563	MILL#3	1.003	1260	301	73565	LAKERD#1	1.010	280	66
73566	LAKERD#2	1.010	280	66	73567	LAKERD#3	1.010	280	66	73574	MILFD#1	1.017	280	12
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	1.001	375	158	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.987	370	121
73652	BE 11	0.987	170	21	73653	BE 12	0.987	170	21	73654	BE 10 ST	0.984	180	21
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.016	50	9	70366	WF WY #2	1.017	50	9
70367	WF WY #3	1.016	100	19	70368	WF WY #4	1.047	174	137	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.992	633	150*
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.047	136	104*
71063	MYST G7	1.026	565	148	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.050	702	245	71073	N.BOST 1	0.000	0	0	71074	N.BOST 2	1.005	357	230*
71084	NEA GTPF	1.051	85	40	71085	NEA GTPF	1.051	85	40	71086	NEA STPF	1.051	80	40
71095	ANPBLCK1	1.080	290	110	71096	ANPBLCK2	1.080	290	110	71251	CANAL G1	1.035	566	239*
71252	CANAL G2	0.000	0	0	72372	BP #1 GN	1.031	238	114*	72375	BP #2 GN	1.031	241	114*
72370	BP #3 GN	1.018	536	40	72371	BP #4 GN	1.017	421	30	72661	MANCH09A	1.008	99	35*
72662	MANCH10A	1.008	99	35*	72663	MANCH11A	1.008	99	35*	72666	FRSQ SC1	0.993	43	-5
72667	FRSQ SC2	0.991	43	-3	72668	FRSQ SC3	0.991	42	-1	71522	SOM G6	0.993	70	58
71531	OSP1 PF	1.002	77	0	71532	OSP2 PF	1.002	77	0	71533	OSP3 PF	1.002	108	0
71534	OSP4 PF	1.002	77	0	71535	OSP5 PF	1.002	77	0	71536	OSP6 PF	1.002	108	0
71946	SALEM G1	1.028	79	16	71947	SALEM G2	1.028	78	16	71948	SALEM G3	1.025	143	31
71949	SALEM G4	1.026	400	93	72869	SBRK G1	1.007	1150	263	72868	NWNGT G1	0.987	406	28
72870	SCHILLER	1.015	48	25*	72871	SCHILLER	1.015	50	25*	72872	SCHILLER	1.015	48	25*
72866	MERMK G1	1.039	113	32	72867	MERMK G2	1.040	320	90	72702	CONEDG1	0.996	168	28
72703	CONEDG2	0.996	168	28	72704	CONEDG3	0.994	195	28	72243	MILLENCT	1.011	273	54
72244	MILLENST	1.009	117	24	72378	BELL #2	1.097	270	150*	72512	BRSWP G1	0.985	280	51
72513	BRSWP G2	0.985	280	51	72986	BERKPWR	1.030	280	35	73072	ALT12 PF	1.025	65	15*
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	1.024	80	15	73069	MAPR1 PF	1.047	56	47*
73080	WSPFLD 3	1.003	107	8	73083	NRTHFD12	1.024	500	143*	73084	NRTHFD34	1.024	500	143*
72930	STNYBK1A	1.043	65	11	72931	STNYBK1B	1.043	65	11	72669	TIVER G1	1.051	189	58
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.097	270	150*	72378	BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	601	MIDDLETOWN	630	247	MONTVILLE	0	0
NORWALK	327	78	BRIDGEPORT	895	219	NHHARBOUR	370	121
DEVON	212	94	BRAYTONPT	1971	339	MANCHSTRST	425	96
SOMERSET	70	58	OSP	523	0	NEA	249	120
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	245	MYSTIC	701	252	NEWBOSTON	357	230
SALEMHBR	700	155	SEABROOK	1150	263	NEWINGTON	937	112
SCHILLER	145	75	MERRIMACK	433	122	STONYBROOK	412	66
WYMAN	374	175	VTYANKEE	633	150	BEARSWAMP	560	102
NORTHFIELD	1000	286	MASSPWRR	56	47	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	124	-105	MAINE-NH	-112	5
NNE-SCOBIE+394	1535	28	SEABROOK-SOUTH	1359	72	NORTH-SOUTH	1761	14
CMFD/MOORE-SO	176	-13	SNDYPOND-SOUTH	2072	189	CONN EXPORT	-2189	203
CONN-MASS	-984	170	CONN-RI	-139	75	SW CONN IMPORT	1877	234
NORWLK-STAMFORD	991	-44	BOSTON IMPORT	3059	310	NEMA/BOS IMPORT	3750	267
SEMA/RI EXPORT	1641	186	CONVEX-REMVEC	-565	71	EAST-WEST	596	-72
NY-NE	-3	-91	PV20	138	-10	CT-LI-1385	-1	-49
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	356.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73123 TRACY	345	357.
73119 LAKEROAD	345	357.	73108 CARD	345	354.	73109 MONTVILE	345	355.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	356.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	350.	71326 BRIDGWTR	345	355.	71336 SHERMAN	345	356.
71338 OS POWER	345	356.	71337 WFARNUM	345	354.	70772 W MEDWAY	345	356.
70780 WWALP345	345	355.	70783 PILGRIM	345	358.	70773 NEA 336	345	358.
71193 CANAL	345	356.	71133 CARVER	345	355.	70795 FRMNGHAM	230	233.
70793 MDFRM230	230	238.	70794 MDWLT230	230	239.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	118.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	109. L	73270 BROOKLYN	115	109. L	73213 TUNNEL	115	112.
73612 BEAN HLL	115	113.	73218 STKHOUSE	115	115.	73291 FORTHF	115	116.
73611 DUDLEY T	115	114.	73210 MONTVLLE	115	117.	73215 CARD	115	114.
73217 BUDDGTN	115	116.	73177 MYSTICCT	115	116.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	113.

AREA/ZONE TOTALS

NEPOOL_GEN	25224	NEPOOL_LOAD	27182	NEPOOL_LOSS	661
NEPOOL_INT	-2637	NEPOOL_LOAD+LOSS	27843		

Table B.10 – Pk22B-3A

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

GENERATION

#	V	MW	MX	#	V	MW	MX	#	V	MW	MX
73538 AESTH PF	1.029	180	80*	73549 SMD1112J	0.000	0	0	73550 SMD1314J	0.000	0	0
73551 NORHAR#1	1.005	159	39	73552 NORHAR#2	1.004	168	39	73553 DEVON#7	1.026	106	47*
73554 DEVON#8	1.023	106	47*	73555 MIDDTN#2	0.000	0	0	73556 MIDDTN#3	0.990	230	44
73557 MIDDTN#4	1.022	400	200*	73558 MONTV#5	0.000	0	0	73559 MONTV#6	0.000	0	0
73562 MILL#2	1.005	940	251	73563 MILL#3	0.998	1260	251	73565 LAKERD#1	1.016	280	80
73566 LAKERD#2	1.016	280	80	73567 LAKERD#3	1.016	280	80	73574 MILFD#1	1.017	280	12
73575 MILFD#2	0.000	0	0	73588 MERIDEN1	0.000	0	0	73589 MERIDEN2	0.000	0	0
73590 MERIDEN3	0.000	0	0	73594 WALL LV1	0.000	0	0	73595 WALL LV2	0.000	0	0
73596 WALL LV3	0.000	0	0	73646 BPTHBR#1	0.000	0	0	73647 BPTHBR#2	0.000	0	0
73648 BPTHBR#3	1.001	375	157	73649 BPTHBR#4	0.000	0	0	73651 NH HARBR	0.985	370	114
73652 BE 11	0.987	170	20	73653 BE 12	0.987	170	20	73654 BE 10 ST	0.984	180	20
73085 MT.TOM	0.000	0	0	70365 WF WY #1	1.016	50	9	70366 WF WY #2	1.017	50	9
70367 WF WY #3	1.016	100	19	70368 WF WY #4	1.047	164	138	70386 WBK G1	0.000	0	0
70387 WBK G2	0.000	0	0	70388 WBK G3	0.000	0	0	70705 VTYAK G	0.992	633	150*
71060 MYST G4	0.000	0	0	71061 MYST 5G	0.000	0	0	71062 MYST G6	1.047	136	104*
71063 MYST G7	1.026	565	147	71064 MYST J1	0.000	0	0	71065 CABOTCMB	0.000	0	0
71094 PLGRM G1	1.050	702	243	71073 N.BOST 1	0.000	0	0	71074 N.BOST 2	1.005	357	230*
71084 NEA GTPF	1.050	85	39	71085 NEA GTPF	1.050	85	39	71086 NEA STPF	1.051	80	39
71095 ANPBLCK1	1.079	290	108	71096 ANPBLCK2	1.079	290	108	71251 CANAL G1	1.035	566	239*
71252 CANAL G2	0.000	0	0	72372 BP #1 GN	1.031	238	113*	72375 BP #2 GN	1.030	241	113*
72370 BP #3 GN	1.018	536	38	72371 BP #4 GN	1.016	421	29	72661 MANCH09A	1.009	99	35*
72662 MANCH10A	1.009	99	35*	72663 MANCH11A	1.009	99	35*	72666 FRSQ SC1	0.994	43	-5
72667 FRSQ SC2	0.991	43	-3	72668 FRSQ SC3	0.991	42	-2	71522 SOM G6	0.992	70	57
71531 OSP1 PF	1.002	77	0	71532 OSP2 PF	1.002	77	0	71533 OSP3 PF	1.002	108	0
71534 OSP4 PF	1.002	77	0	71535 OSP5 PF	1.002	77	0	71536 OSP6 PF	1.002	108	0
71946 SALEM G1	1.028	79	16	71947 SALEM G2	1.028	78	16	71948 SALEM G3	1.025	143	31
71949 SALEM G4	1.026	400	93	72869 SBRK G1	1.007	1150	263	72868 NWNGT G1	0.987	406	28
72870 SCHILLER	1.015	48	25*	72871 SCHILLER	1.014	50	25*	72872 SCHILLER	1.015	48	25*
72866 MERMK G1	1.039	113	32	72867 MERMK G2	1.040	320	90	72702 CONEDG1	0.996	168	28
72703 CONEDG2	0.996	168	28	72704 CONEDG3	0.994	195	28	72243 MILLENCT	1.010	273	53
72244 MILLENST	1.008	117	24	72378 BELL #2	1.097	270	150*	72512 BRSWP G1	0.985	280	52
72513 BRSWP G2	0.985	280	52	72986 BERKPWR	1.028	280	30	73072 ALT12 PF	1.025	65	14*
71739 TAUNTON	0.000	0	0	73073 ALT34 PF	1.024	80	14	73069 MAPR1 PF	1.047	56	47*
73080 WSPFLD 3	1.001	107	6	73083 NRTHFD12	1.023	500	138*	73084 NRTHFD34	1.023	500	138*
72930 STNYBK1A	1.043	65	10	72931 STNYBK1B	1.043	65	10	72669 TIVER G1	1.051	189	58
72670 TIVER G2	1.047	92	30	72377 BELL #1	1.097	270	150*	72378 BELL #2	1.097	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	502	MIDDLETOWN	630	244	MONTVILLE	0	0
NORWALK	327	79	BRIDGEPORT	895	218	NHHARBOUR	370	114
DEVON	212	94	BRAYTONPT	1971	332	MANCHSTRST	425	95
SOMERSET	70	57	OSP	523	0	NEA	249	117
PAWTKTPWR	64	-10	ENRON	124	80	CANAL	566	239
PILGRIM	702	243	MYSTIC	701	251	NEWBOSTON	357	230
SALEMHBR	700	155	SEABROOK	1150	263	NEWINGTON	937	112
SCHILLER	145	75	MERRIMACK	433	122	STONYBROOK	412	63
WYMAN	364	175	VTYANKEE	633	150	BEARSWAMP	560	103
NORTHFIELD	1000	276	MASSPWRR	56	47	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	124	-105	MAINE-NH	-122	6
NNE-SCOBIE+394	1526	28	SEABROOK-SOUTH	1358	72	NORTH-SOUTH	1752	15
CMFD/MOORE-SO	176	-13	SNDYPOND-SOUTH	2076	188	CONN EXPORT	-2186	138
CONN-MASS	-935	167	CONN-RI	-201	75	SW CONN IMPORT	1877	234
NORWLK-STAMFORD	991	-44	BOSTON IMPORT	3059	308	NEMA/BOS IMPORT	3749	267
SEMA/RI EXPORT	1645	190	CONVEX-REMVEC	-565	68	EAST-WEST	589	-67
NY-NE	-3	-95	PV20	139	-10	CT-LI-1385	-1	-48
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	356.	72925 LUDLOW	345	351.
72926 NRTHFLD	345	359.	73106 SOUTHGTN	345	345.	73123 TRACY	345	357.
73119 LAKEROAD	345	357.	73108 CARD	345	355.	73109 MONTVILE	345	356.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	356.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	351.	71326 BRIDGWTR	345	355.	71336 SHERMAN	345	356.
71338 OS POWER	345	356.	71337 WFARNUM	345	354.	70772 W MEDWAY	345	356.
70780 WWALP345	345	355.	70783 PILGRIM	345	358.	70773 NEA 336	345	358.
71193 CANAL	345	356.	71133 CARVER	345	355.	70795 FRMNGHAM	230	233.
70793 MDFRM230	230	238.	70794 MDWLT230	230	239.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	118.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	119.	73270 BROOKLYN	115	118.	73213 TUNNEL	115	117.
73612 BEAN HLL	115	117.	73218 STKHOUSE	115	116.	73291 FORTHF	115	117.
73611 DUDLEY T	115	117.	73210 MONTVLLE	115	118.	73215 CARD	115	115.
73217 BUDDGTN	115	117.	73177 MYSTICCT	115	117.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25214	NEPOOL_LOAD	27182	NEPOOL_LOSS	651
NEPOOL_INT	-2637	NEPOOL_LOAD+LOSS	27834		

Table B.11 – Pk22B-4

PK22B-4.SAV, EXETER,SCRRA,TUNNEL,LISON,MONTVILLE,LR ALL OFF
NE-NY 175, CT-IMP 2200, E-W 2400, SEMARI 3000,NO TRACY AUTO

GENERATION

#	V	MW	MX	#	V	MW	MX	#	V	MW	MX
73538 AESTH PF	1.022	180	80*	73549 SMD1112J	0.000	0	0	73550 SMD1314J	0.000	0	0
73551 NORHAR#1	1.005	159	41	73552 NORHAR#2	1.005	168	41	73553 DEVON#7	1.026	106	47*
73554 DEVON#8	1.022	106	47*	73555 MIDDTN#2	0.000	0	0	73556 MIDDTN#3	0.995	230	57
73557 MIDDTN#4	1.017	400	200*	73558 MONTV#5	0.000	0	0	73559 MONTV#6	0.000	0	0
73562 MILL#2	1.017	940	366	73563 MILL#3	1.009	1260	366	73565 LAKERD#1	0.000	0	0
73566 LAKERD#2	0.000	0	0	73567 LAKERD#3	0.000	0	0	73574 MILFD#1	1.017	280	13
73575 MILFD#2	0.000	0	0	73588 MERIDEN1	0.000	0	0	73589 MERIDEN2	0.000	0	0
73590 MERIDEN3	0.000	0	0	73594 WALL LV1	0.000	0	0	73595 WALL LV2	0.000	0	0
73596 WALL LV3	0.000	0	0	73646 BPTHBR#1	0.000	0	0	73647 BPTHBR#2	0.000	0	0
73648 BPTHBR#3	1.002	375	162	73649 BPTHBR#4	0.000	0	0	73651 NH HARBR	0.991	370	145
73652 BE 11	0.987	170	21	73653 BE 12	0.987	170	21	73654 BE 10 ST	0.985	180	21
73085 MT.TOM	0.000	0	0	70365 WF WY #1	1.019	50	11	70366 WF WY #2	1.019	50	11
70367 WF WY #3	1.018	100	22	70368 WF WY #4	1.061	611	239	70386 WBK G1	0.000	0	0
70387 WBK G2	0.000	0	0	70388 WBK G3	0.000	0	0	70705 VTYAK G	0.976	633	150*
71060 MYST G4	0.000	0	0	71061 MYST 5G	0.000	0	0	71062 MYST G6	1.043	136	104*
71063 MYST G7	1.030	565	179	71064 MYST J1	0.000	0	0	71065 CABOTCMB	0.000	0	0
71094 PLGRM G1	1.045	702	211	71073 N.BOST 1	1.021	350	220*	71074 N.BOST 2	0.000	0	0
71084 NEA GTPF	1.047	110	40*	71085 NEA GTPF	1.047	110	40*	71086 NEA STPF	1.063	80	55*
71095 ANPBLCK1	1.096	290	150*	71096 ANPBLCK2	1.096	290	150*	71251 CANAL G1	1.040	566	239*
71252 CANAL G2	1.017	576	120*	72372 BP #1 GN	1.029	238	108*	72375 BP #2 GN	1.029	241	108*
72370 BP #3 GN	1.020	606	57	72371 BP #4 GN	1.020	425	43	72661 MANCH09A	1.013	119	33
72662 MANCH10A	1.013	119	33	72663 MANCH11A	1.013	119	33	72666 FRSQ SC1	0.996	43	-5
72667 FRSQ SC2	0.995	43	-5	72668 FRSQ SC3	0.994	42	-5	71522 SOM G6	1.009	70	77
71531 OSP1 PF	1.029	77	21	71532 OSP2 PF	1.029	77	21	71533 OSP3 PF	1.030	108	28
71534 OSP4 PF	1.029	77	21	71535 OSP5 PF	1.029	77	21	71536 OSP6 PF	1.030	108	28
71946 SALEM G1	1.029	79	16	71947 SALEM G2	1.029	78	16	71948 SALEM G3	1.026	143	32
71949 SALEM G4	1.027	400	95	72869 SBRK G1	1.012	1150	320	72868 NWNGT G1	0.988	406	34
72870 SCHILLER	1.011	48	25*	72871 SCHILLER	1.011	50	25*	72872 SCHILLER	1.011	48	25*
72866 MERMK G1	1.044	113	38	72867 MERMK G2	1.044	320	109	72702 CONEDG1	0.999	168	34
72703 CONEDG2	0.999	168	34	72704 CONEDG3	0.997	195	34	72243 MILLENCT	1.019	273	71
72244 MILLENST	1.015	117	32	72378 BELL #2	1.094	270	150*	72512 BRSWP G1	0.987	280	56
72513 BRSWP G2	0.987	280	56	72986 BERKPWR	1.060	280	92	73072 ALT12 PF	0.000	0	0
71739 TAUNTON	0.000	0	0	73073 ALT34 PF	0.000	0	0	73069 MAPR1 PF	0.000	0	0
73080 WSPFLD 3	0.000	0	0	73083 NRTHFD12	1.010	500	160*	73084 NRTHFD34	0.000	0	0
72930 STNYBK1A	1.043	65	17	72931 STNYBK1B	1.043	65	17	72669 TIVER G1	1.051	189	57
72670 TIVER G2	1.047	92	30	72377 BELL #1	1.094	270	150*	72378 BELL #2	1.094	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	733	MIDDLETOWN	630	257	MONTVILLE	0	0
NORWALK	327	81	BRIDGEPORT	895	225	NHHARBOUR	370	145
DEVON	212	94	BRAYTONPT	2115	373	MANCHSTRST	485	85
SOMERSET	70	77	OSP	523	140	NEA	300	135
PAWTKTPWR	64	-12	ENRON	124	80	CANAL	1142	359
PILGRIM	702	211	MYSTIC	701	283	NEWBOSTON	350	220
SALEMHBR	700	159	SEABROOK	1150	320	NEWINGTON	937	137
SCHILLER	145	75	MERRIMACK	433	148	STONYBROOK	412	101
WYMAN	811	282	VTYANKEE	633	150	BEARSWAMP	560	112
NORTHFIELD	500	160	MASSPWRR	0	0	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	138	-102	MAINE-NH	347	-52
NNE-SCOBIE+394	1946	72	SEABROOK-SOUTH	1420	122	NORTH-SOUTH	2190	25
CMFD/MOORE-SO	173	-4	SNDYPOND-SOUTH	2136	177	CONN EXPORT	-2194	295
CONN-MASS	-1008	212	CONN-RI	-1050	31	SW CONN IMPORT	1878	228
NORWLK-STAMFORD	991	-46	BOSTON IMPORT	3075	309	NEMA/BOS IMPORT	3760	258
SEMA/RI EXPORT	3028	332	CONVEX-REMVEC	-2299	53	EAST-WEST	2405	90
NY-NE	-175	-3	PV20	127	-10	CT-LI-1385	-2	-47
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 74		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345 345	357.		72694 SEBRK345 345	357.		71789 TEWKS 345	357.	
70759 MYSTIC 345	360.		71797 MILLBURY 345	355.		72925 LUDLOW 345	346.	
72926 NRTHFLD 345	352.		73106 SOUTHGTN 345	344.		73123 TRACY 345	352.	
73119 LAKEROAD 345	352.		73108 CARD 345	351.		73109 MONTVILE 345	354.	
73110 MILLSTNE 345	357.		73116 MIDDLTWN 345	354.		71801 BRAYTN P 345	358.	
71811 KENT CO. 345	351.		71326 BRIDGWTR 345	354.		71336 SHERMAN 345	355.	
71338 OS POWER 345	355.		71337 WFARNUM 345	353.		70772 W MEDWAY 345	355.	
70780 WWALP345 345	354.		70783 PILGRIM 345	358.		70773 NEA 336 345	357.	
71193 CANAL 345	358.		71133 CARVER 345	356.		70795 FRMNGHAM 230	233.	
70793 MDFRM230 230	238.		70794 MDWLT230 230	238.		70818 MYSTC MA 115	116.	
71891 SALEM HR 115	119.		73195 DEVON 115	118.		73709 OLD TOWN 115	116.	
73710 HAWTHORN 115	116.		73158 WESTON 115	116.		73198 SOUTHGTN 115	118.	
73212 TRACY 115	108.	L	73270 BROOKLYN 115	109.	L	73213 TUNNEL 115	112.	
73612 BEAN HLL 115	113.		73218 STKHOUSE 115	115.		73291 FORTHF 115	116.	
73611 DUDLEY T 115	113.		73210 MONTVLLE 115	117.		73215 CARD 115	114.	
73217 BUDDGTN 115	116.		73177 MYSTICCT 115	116.		73303 SHUNOCK 115	115.	
71403 WFARNUM 115	116.		72539 WOLFHILL 115	117.		72581 WOOD RIV 115	114.	

AREA/ZONE TOTALS

NEPOOL_GEN	25442	NEPOOL_LOAD	27182	NEPOOL_LOSS	707	
NEPOOL_INT	-2464	NEPOOL_LOAD+LOSS	27889			

Table B.12 – Pk22B-4A

PK22B-4A.SAV, EXETER,SCRRA,TUNNEL,LISON,MONTVILLE,LR ALL OFF
NE-NY 175, CT-IMP 2200, E-W 2400, SEMARI 3000, TRACY AUTO

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.028	180	80*	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.005	159	41	73552	NORHAR#2	1.005	168	41	73553	DEVON#7	1.026	106	47*
73554	DEVON#8	1.022	106	47*	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.994	230	54
73557	MIDDTN#4	1.018	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.012	940	318	73563	MILL#3	1.004	1260	318	73565	LAKERD#1	0.000	0	0
73566	LAKERD#2	0.000	0	0	73567	LAKERD#3	0.000	0	0	73574	MILFD#1	1.017	280	13
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	1.002	375	162	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.990	370	139
73652	BE 11	0.987	170	21	73653	BE 12	0.987	170	21	73654	BE 10 ST	0.985	180	21
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.019	50	11	70366	WF WY #2	1.019	50	11
70367	WF WY #3	1.018	100	22	70368	WF WY #4	1.061	598	234	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.977	633	150*
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.043	136	104*
71063	MYST G7	1.030	565	177	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.045	702	208	71073	N.BOST 1	1.021	350	220*	71074	N.BOST 2	0.000	0	0
71084	NEA GTPF	1.047	110	40*	71085	NEA GTPF	1.047	110	40*	71086	NEA STPF	1.064	80	55*
71095	ANPBLCK1	1.096	290	150*	71096	ANPBLCK2	1.096	290	150*	71251	CANAL G1	1.040	566	239*
71252	CANAL G2	1.017	576	120*	72372	BP #1 GN	1.029	238	108*	72375	BP #2 GN	1.029	241	108*
72370	BP #3 GN	1.020	606	55	72371	BP #4 GN	1.020	425	41	72661	MANCH09A	1.012	119	31
72662	MANCH10A	1.011	119	31	72663	MANCH11A	1.012	119	31	72666	FRSQ SC1	0.996	43	-5
72667	FRSQ SC2	0.995	43	-5	72668	FRSQ SC3	0.994	42	-5	71522	SOM G6	1.008	70	77
71531	OSP1 PF	1.037	77	27	71532	OSP2 PF	1.037	77	27	71533	OSP3 PF	1.038	108	36
71534	OSP4 PF	1.037	77	27	71535	OSP5 PF	1.037	77	27	71536	OSP6 PF	1.038	108	36
71946	SALEM G1	1.029	79	16	71947	SALEM G2	1.029	78	16	71948	SALEM G3	1.026	143	32
71949	SALEM G4	1.027	400	95	72869	SBRK G1	1.011	1150	317	72868	NWNGT G1	0.988	406	34
72870	SCHILLER	1.011	48	25*	72871	SCHILLER	1.011	50	25*	72872	SCHILLER	1.011	48	25*
72866	MERMK G1	1.044	113	38	72867	MERMK G2	1.044	320	108	72702	CONEDG1	0.999	168	34
72703	CONEDG2	0.999	168	34	72704	CONEDG3	0.996	195	34	72243	MILLENCT	1.018	273	68
72244	MILLENST	1.014	117	31	72378	BELL #2	1.095	270	150*	72512	BRSWP G1	0.986	280	55
72513	BRSWP G2	0.986	280	55	72986	BERKPWR	1.056	280	83	73072	ALT12 PF	0.000	0	0
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	0.000	0	0	73069	MAPR1 PF	0.000	0	0
73080	WSPFLD 3	0.000	0	0	73083	NRTHFD12	1.011	500	160*	73084	NRTHFD34	0.000	0	0
72930	STNYBK1A	1.043	65	16	72931	STNYBK1B	1.043	65	16	72669	TIVER G1	1.051	189	57
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.095	270	150*	72378	BELL #2	1.095	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	636	MIDDLETOWN	630	254	MONTVILLE	0	0
NORWALK	327	81	BRIDGEPORT	895	225	NHHARBOUR	370	139
DEVON	212	94	BRAYTONPT	2115	367	MANCHSTRST	485	79
SOMERSET	70	77	OSP	523	178	NEA	300	135
PAWTKTPWR	64	-12	ENRON	124	80	CANAL	1142	359
PILGRIM	702	208	MYSTIC	701	281	NEWBOSTON	350	220
SALEMHBR	700	159	SEABROOK	1150	317	NEWINGTON	937	135
SCHILLER	145	75	MERRIMACK	433	146	STONYBROOK	412	97
WYMAN	798	278	VTYANKEE	633	150	BEARSWAMP	560	111
NORTHFIELD	500	160	MASSPWRR	0	0	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	138	-102	MAINE-NH	335	-52
NNE-SCOBIE+394	1936	67	SEABROOK-SOUTH	1419	119	NORTH-SOUTH	2180	23
CMFD/MOORE-SO	173	-5	SNDYPOND-SOUTH	2139	177	CONN EXPORT	-2190	234
CONN-MASS	-961	204	CONN-RI	-1112	3	SW CONN IMPORT	1878	230
NORWLK-STAMFORD	991	-45	BOSTON IMPORT	3074	309	NEMA/BOS IMPORT	3759	259
SEMA/RI EXPORT	3031	368	CONVEX-REMVEC	-2300	22	EAST-WEST	2397	123
NY-NE	-174	-9	PV20	129	-10	CT-LI-1385	2	-48
CT-LI-481	347	-86						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 75		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	358.
70759 MYSTIC	345	360.	71797 MILLBURY	345	355.	72925 LUDLOW	345	346.
72926 NRTHFLD	345	353.	73106 SOUTHGTN	345	344.	73123 TRACY	345	351.
73119 LAKEROAD	345	351.	73108 CARD	345	352.	73109 MONTVILE	345	355.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	355.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	351.	71326 BRIDGWTR	345	355.	71336 SHERMAN	345	355.
71338 OS POWER	345	355.	71337 WFARNUM	345	353.	70772 W MEDWAY	345	355.
70780 WWALP345	345	354.	70783 PILGRIM	345	358.	70773 NEA 336	345	357.
71193 CANAL	345	358.	71133 CARVER	345	356.	70795 FRMNGHAM	230	233.
70793 MDFRM230	230	238.	70794 MDWLT230	230	239.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	118.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	119.	73270 BROOKLYN	115	118.	73213 TUNNEL	115	117.
73612 BEAN HLL	115	117.	73218 STKHOUSE	115	116.	73291 FORTHF	115	117.
73611 DUDLEY T	115	117.	73210 MONTVLLE	115	117.	73215 CARD	115	115.
73217 BUDDGTN	115	117.	73177 MYSTICCT	115	117.	73303 SHUNOCK	115	116.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25430	NEPOOL_LOAD	27182	NEPOOL_LOSS	695	
NEPOOL_INT	-2465	NEPOOL_LOAD+LOSS	27878			

Table B.13 – Pk22B-5

PK22B-5.SAV, EXETER,SCRRA,TUNNEL,LISON,MONTVILLE OFF, LR ON
NE-NY 175, CT-IMP 2200, E-W 2400, SEMARI 3000,NO TRACY AUTO

GENERATION

#	V	MW	MX	#	V	MW	MX	#	V	MW	MX
73538 AESTH PF	1.021	180	80*	73549 SMD1112J	0.000	0	0	73550 SMD1314J	0.000	0	0
73551 NORHAR#1	1.006	159	42	73552 NORHAR#2	1.006	168	42	73553 DEVON#7	1.026	106	47*
73554 DEVON#8	1.022	106	47*	73555 MIDDTN#2	0.000	0	0	73556 MIDDTN#3	0.996	230	60
73557 MIDDTN#4	1.013	400	200*	73558 MONTV#5	0.000	0	0	73559 MONTV#6	0.000	0	0
73562 MILL#2	1.018	940	372*	73563 MILL#3	1.020	1260	494	73565 LAKERD#1	1.037	280	128
73566 LAKERD#2	1.037	280	128	73567 LAKERD#3	1.037	280	128	73574 MILFD#1	1.017	280	13
73575 MILFD#2	0.000	0	0	73588 MERIDEN1	0.000	0	0	73589 MERIDEN2	0.000	0	0
73590 MERIDEN3	0.000	0	0	73594 WALL LV1	0.000	0	0	73595 WALL LV2	0.000	0	0
73596 WALL LV3	0.000	0	0	73646 BPTHBR#1	0.000	0	0	73647 BPTHBR#2	0.000	0	0
73648 BPTHBR#3	1.002	375	164	73649 BPTHBR#4	0.000	0	0	73651 NH HARBR	0.995	370	168
73652 BE 11	0.987	170	21	73653 BE 12	0.987	170	21	73654 BE 10 ST	0.985	180	21
73085 MT.TOM	0.000	0	0	70365 WF WY #1	1.011	50	6	70366 WF WY #2	1.011	50	6
70367 WF WY #3	1.011	100	12	70368 WF WY #4	1.063	640	248	70386 WBK G1	0.000	0	0
70387 WBK G2	0.000	0	0	70388 WBK G3	0.000	0	0	70705 VTYAK G	0.967	633	150*
71060 MYST G4	0.000	0	0	71061 MYST 5G	0.000	0	0	71062 MYST G6	1.042	136	104*
71063 MYST G7	1.031	565	190	71064 MYST J1	0.000	0	0	71065 CABOTCMB	0.000	0	0
71094 PLGRM G1	1.048	702	228	71073 N.BOST 1	1.020	350	220*	71074 N.BOST 2	0.000	0	0
71084 NEA GTPF	1.046	110	40*	71085 NEA GTPF	1.046	110	40*	71086 NEA STPF	1.063	80	55*
71095 ANPBLCK1	1.095	290	150*	71096 ANPBLCK2	1.095	290	150*	71251 CANAL G1	1.040	566	239*
71252 CANAL G2	1.017	576	120*	72372 BP #1 GN	1.030	238	112*	72375 BP #2 GN	1.030	241	112*
72370 BP #3 GN	1.020	606	59	72371 BP #4 GN	1.020	425	44	72661 MANCH09A	1.013	119	34
72662 MANCH10A	1.013	119	34	72663 MANCH11A	1.013	119	34	72666 FRSQ SC1	0.996	43	-5
72667 FRSQ SC2	0.995	43	-5	72668 FRSQ SC3	0.994	42	-5	71522 SOM G6	1.010	70	79
71531 OSP1 PF	1.001	77	0	71532 OSP2 PF	1.001	77	0	71533 OSP3 PF	1.001	108	0
71534 OSP4 PF	1.001	77	0	71535 OSP5 PF	1.001	77	0	71536 OSP6 PF	1.001	108	0
71946 SALEM G1	1.029	79	16	71947 SALEM G2	1.029	78	16	71948 SALEM G3	1.026	143	32
71949 SALEM G4	1.027	400	96	72869 SBRK G1	1.013	1150	335	72868 NWNGT G1	0.989	406	37
72870 SCHILLER	1.015	48	25*	72871 SCHILLER	1.015	50	25*	72872 SCHILLER	1.015	48	25*
72866 MERMK G1	1.043	113	37	72867 MERMK G2	1.043	320	105	72702 CONEDG1	1.000	168	37
72703 CONEDG2	1.000	168	37	72704 CONEDG3	0.998	195	37	72243 MILLENCT	1.031	273	94
72244 MILLENST	1.024	117	42	72378 BELL #2	1.093	270	150*	72512 BRSWP G1	0.987	280	57
72513 BRSWP G2	0.987	280	57	72986 BERKPWR	0.000	0	0	73072 ALT12 PF	0.000	0	0
71739 TAUNTON	0.000	0	0	73073 ALT34 PF	0.000	0	0	73069 MAPR1 PF	0.000	0	0
73080 WSPFLD 3	0.000	0	0	73083 NRTHFD12	0.000	0	0	73084 NRTHFD34	0.000	0	0
72930 STNYBK1A	1.043	65	22	72931 STNYBK1B	1.043	65	22	72669 TIVER G1	1.051	189	57
72670 TIVER G2	1.047	92	30	72377 BELL #1	1.093	270	150*	72378 BELL #2	1.093	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	866	MIDDLETOWN	630	260	MONTVILLE	0	0
NORWALK	327	84	BRIDGEPORT	895	228	NHHARBOUR	370	168
DEVON	212	94	BRAYTONPT	2115	385	MANCHSTRST	485	86
SOMERSET	70	79	OSP	523	0	NEA	300	135
PAWTKTPWR	64	-12	ENRON	124	80	CANAL	1142	359
PILGRIM	702	228	MYSTIC	701	294	NEWBOSTON	350	220
SALEMHBR	700	160	SEABROOK	1150	335	NEWINGTON	937	147
SCHILLER	145	75	MERRIMACK	433	142	STONYBROOK	412	132
WYMAN	840	272	VTYANKEE	633	150	BEARSWAMP	560	114
NORTHFIELD	0	0	MASSPWRR	0	0	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	139	-100	MAINE-NH	376	-34
NNE-SCOBIE+394	1967	104	SEABROOK-SOUTH	1410	138	NORTH-SOUTH	2196	72
CMFD/MOORE-SO	168	3	SNDYPOND-SOUTH	2061	187	CONN EXPORT	-2205	280
CONN-MASS	-700	233	CONN-RI	-617	143	SW CONN IMPORT	1879	225
NORWLK-STAMFORD	991	-47	BOSTON IMPORT	3080	305	NEMA/BOS IMPORT	3761	255
SEMA/RI EXPORT	3003	206	CONVEX-REMVEC	-2251	142	EAST-WEST	2412	-6
NY-NE	-175	63	PV20	136	-10	CT-LI-1385	1	-46
CT-LI-481	347	-85						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 74		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	357.
70759 MYSTIC	345	360.	71797 MILLBURY	345	353.	72925 LUDLOW	345	341.
72926 NRTHFLD	345	347.	73106 SOUTHGTN	345	342.	73123 TRACY	345	357.
73119 LAKEROAD	345	357.	73108 CARD	345	350.	73109 MONTVILE	345	354.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	352.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	351.	71326 BRIDGWTR	345	354.	71336 SHERMAN	345	356.
71338 OS POWER	345	356.	71337 WFARNUM	345	354.	70772 W MEDWAY	345	355.
70780 WWALP345	345	353.	70783 PILGRIM	345	358.	70773 NEA 336	345	357.
71193 CANAL	345	358.	71133 CARVER	345	355.	70795 FRMNGHAM	230	232.
70793 MDFRM230	230	237.	70794 MDWLT230	230	238.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	117.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	108. L	73270 BROOKLYN	115	109. L	73213 TUNNEL	115	112.
73612 BEAN HLL	115	113.	73218 STKHOUSE	115	115.	73291 FORTHF	115	116.
73611 DUDLEY T	115	113.	73210 MONTVLLE	115	117.	73215 CARD	115	115.
73217 BUDDGTN	115	116.	73177 MYSTICCT	115	116.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	113.

AREA/ZONE TOTALS

NEPOOL_GEN	25481	NEPOOL_LOAD	27182	NEPOOL_LOSS	745
NEPOOL_INT	-2464	NEPOOL_LOAD+LOSS	27928		

Table B.14 – Pk22B-5A

PK22B-5A.SAV, EXETER,SCRRA,TUNNEL,LISON,MONTVILLE OFF, LR ON
NE-NY 175, CT-IMP 2200, E-W 2400, SEMARI 3000, TRACY AUTO

GENERATION

#		V	MW	MX	#		V	MW	MX	#		V	MW	MX
73538	AESTH PF	1.025	180	80*	73549	SMD1112J	0.000	0	0	73550	SMD1314J	0.000	0	0
73551	NORHAR#1	1.006	159	42	73552	NORHAR#2	1.006	168	42	73553	DEVON#7	1.026	106	47*
73554	DEVON#8	1.022	106	47*	73555	MIDDTN#2	0.000	0	0	73556	MIDDTN#3	0.994	230	55
73557	MIDDTN#4	1.014	400	200*	73558	MONTV#5	0.000	0	0	73559	MONTV#6	0.000	0	0
73562	MILL#2	1.018	940	372*	73563	MILL#3	1.009	1260	375	73565	LAKERD#1	1.041	280	139
73566	LAKERD#2	1.041	280	139	73567	LAKERD#3	1.041	280	139	73574	MILFD#1	1.017	280	13
73575	MILFD#2	0.000	0	0	73588	MERIDEN1	0.000	0	0	73589	MERIDEN2	0.000	0	0
73590	MERIDEN3	0.000	0	0	73594	WALL LV1	0.000	0	0	73595	WALL LV2	0.000	0	0
73596	WALL LV3	0.000	0	0	73646	BPTHBR#1	0.000	0	0	73647	BPTHBR#2	0.000	0	0
73648	BPTHBR#3	1.002	375	163	73649	BPTHBR#4	0.000	0	0	73651	NH HARBR	0.993	370	159
73652	BE 11	0.987	170	21	73653	BE 12	0.987	170	21	73654	BE 10 ST	0.985	180	21
73085	MT.TOM	0.000	0	0	70365	WF WY #1	1.010	50	6	70366	WF WY #2	1.011	50	6
70367	WF WY #3	1.011	100	12	70368	WF WY #4	1.062	625	242	70386	WBK G1	0.000	0	0
70387	WBK G2	0.000	0	0	70388	WBK G3	0.000	0	0	70705	VTYAK G	0.969	633	150*
71060	MYST G4	0.000	0	0	71061	MYST 5G	0.000	0	0	71062	MYST G6	1.042	136	104*
71063	MYST G7	1.031	565	187	71064	MYST J1	0.000	0	0	71065	CABOTCMB	0.000	0	0
71094	PLGRM G1	1.047	702	223	71073	N.BOST 1	1.020	350	220*	71074	N.BOST 2	0.000	0	0
71084	NEA GTPF	1.046	110	40*	71085	NEA GTPF	1.046	110	40*	71086	NEA STPF	1.063	80	55*
71095	ANPBLCK1	1.096	290	150*	71096	ANPBLCK2	1.096	290	150*	71251	CANAL G1	1.040	566	239*
71252	CANAL G2	1.017	576	120*	72372	BP #1 GN	1.030	238	111*	72375	BP #2 GN	1.030	241	111*
72370	BP #3 GN	1.020	606	55	72371	BP #4 GN	1.020	425	42	72661	MANCH09A	1.011	119	31
72662	MANCH10A	1.011	119	31	72663	MANCH11A	1.011	119	31	72666	FRSQ SC1	0.996	43	-5
72667	FRSQ SC2	0.995	43	-5	72668	FRSQ SC3	0.994	42	-5	71522	SOM G6	1.009	70	78
71531	OSP1 PF	1.002	77	0	71532	OSP2 PF	1.002	77	0	71533	OSP3 PF	1.001	108	0
71534	OSP4 PF	1.002	77	0	71535	OSP5 PF	1.002	77	0	71536	OSP6 PF	1.001	108	0
71946	SALEM G1	1.029	79	16	71947	SALEM G2	1.029	78	16	71948	SALEM G3	1.026	143	32
71949	SALEM G4	1.027	400	96	72869	SBRK G1	1.012	1150	330	72868	NWNGT G1	0.989	406	36
72870	SCHILLER	1.016	48	25*	72871	SCHILLER	1.015	50	25*	72872	SCHILLER	1.016	48	25*
72866	MERMK G1	1.043	113	36	72867	MERMK G2	1.043	320	104	72702	CONEDG1	1.000	168	36
72703	CONEDG2	1.000	168	36	72704	CONEDG3	0.997	195	36	72243	MILLENCT	1.029	273	89
72244	MILLENST	1.022	117	40	72378	BELL #2	1.093	270	150*	72512	BRSWP G1	0.987	280	56
72513	BRSWP G2	0.987	280	56	72986	BERKPWR	0.000	0	0	73072	ALT12 PF	0.000	0	0
71739	TAUNTON	0.000	0	0	73073	ALT34 PF	0.000	0	0	73069	MAPR1 PF	0.000	0	0
73080	WSPFLD 3	0.000	0	0	73083	NRTHFD12	0.000	0	0	73084	NRTHFD34	0.000	0	0
72930	STNYBK1A	1.043	65	20	72931	STNYBK1B	1.043	65	20	72669	TIVER G1	1.051	189	57
72670	TIVER G2	1.047	92	30	72377	BELL #1	1.093	270	150*	72378	BELL #2	1.093	270	150*

	MW	MX		MW	MX		MW	MX
MILLSTONE	2200	747	MIDDLETOWN	630	255	MONTVILLE	0	0
NORWALK	327	85	BRIDGEPORT	895	227	NHHARBOUR	370	159
DEVON	212	94	BRAYTONPT	2115	375	MANCHSTRST	485	79
SOMERSET	70	78	OSP	523	0	NEA	300	135
PAWTKTPWR	64	-12	ENRON	124	80	CANAL	1142	359
PILGRIM	702	223	MYSTIC	701	291	NEWBOSTON	350	220
SALEMHBR	700	159	SEABROOK	1150	330	NEWINGTON	937	144
SCHILLER	145	75	MERRIMACK	433	140	STONYBROOK	412	124
WYMAN	825	265	VTYANKEE	633	150	BEARSWAMP	560	112
NORTHFIELD	0	0	MASSPWRR	0	0	GLENBROOK	0	0

INTERFACE FLOWS

NB-NE	712	-46	MEYANKEE-SOUTH	139	-100	MAINE-NH	361	-34
NNE-SCOBIE+394	1954	96	SEABROOK-SOUTH	1409	132	NORTH-SOUTH	2184	69
CMFD/MOORE-SO	169	2	SNDYPOND-SOUTH	2065	185	CONN EXPORT	-2202	193
CONN-MASS	-643	221	CONN-RI	-690	144	SW CONN IMPORT	1879	226
NORWLK-STAMFORD	991	-48	BOSTON IMPORT	3079	311	NEMA/BOS IMPORT	3761	258
SEMA/RI EXPORT	3007	206	CONVEX-REMVEC	-2253	142	EAST-WEST	2403	-17
NY-NE	-176	53	PV20	138	-10	CT-LI-1385	0	-45
CT-LI-481	347	-85						

HVDC TRANSFERS FROM H-Q

CHAT-1 = 0	CHAT-2 = 0	HIGHGATE = 215
MADAWASK = -151	PHII-P1 = 1000	PHII-P2 = 1000
EEL = 74		

BUS VOLTAGES

	V	LMT		V	LMT		V	LMT
72692 NWGTN345	345	357.	72694 SEBRK345	345	357.	71789 TEWKS	345	357.
70759 MYSTIC	345	360.	71797 MILLBURY	345	354.	72925 LUDLOW	345	342.
72926 NRTHFLD	345	348.	73106 SOUTHGTN	345	343.	73123 TRACY	345	357.
73119 LAKEROAD	345	357.	73108 CARD	345	352.	73109 MONTVILE	345	355.
73110 MILLSTNE	345	357.	73116 MIDDLTWN	345	353.	71801 BRAYTN P	345	358.
71811 KENT CO.	345	352.	71326 BRIDGWTR	345	354.	71336 SHERMAN	345	356.
71338 OS POWER	345	356.	71337 WFARNUM	345	354.	70772 W MEDWAY	345	355.
70780 WWALP345	345	354.	70783 PILGRIM	345	358.	70773 NEA 336	345	357.
71193 CANAL	345	358.	71133 CARVER	345	355.	70795 FRMNGHAM	230	232.
70793 MDFRM230	230	237.	70794 MDWLT230	230	238.	70818 MYSTC MA	115	116.
71891 SALEM HR	115	119.	73195 DEVON	115	117.	73709 OLD TOWN	115	116.
73710 HAWTHORN	115	116.	73158 WESTON	115	116.	73198 SOUTHGTN	115	118.
73212 TRACY	115	118.	73270 BROOKLYN	115	117.	73213 TUNNEL	115	116.
73612 BEAN HLL	115	116.	73218 STKHOUSE	115	116.	73291 FORTHF	115	117.
73611 DUDLEY T	115	116.	73210 MONTVLLE	115	117.	73215 CARD	115	115.
73217 BUDDGTN	115	116.	73177 MYSTICCT	115	117.	73303 SHUNOCK	115	115.
71403 WFARNUM	115	116.	72539 WOLFHILL	115	117.	72581 WOOD RIV	115	114.

AREA/ZONE TOTALS

NEPOOL_GEN	25466	NEPOOL_LOAD	27182	NEPOOL_LOSS	729	
NEPOOL_INT	-2463	NEPOOL_LOAD+LOSS	27911			

APPENDIX C
ACCC Outputs for Base Cases

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***

*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: C:\tim-eastct\Pk1b-dc.dfx
SUBSYSTEM DESCRIPTION FILE: C:\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: C:\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: C:\tim-eastct\Eastern CT-1.con

CONTINGENCY EVENTS / MULTI-SECTION LINE GROUPINGS	OVERLOADED LINES FROM NAME	TO NAME	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
BASE CASE	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7 BASE CASE
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1							CONTINGENCY 100LINE
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7
	73345*LEDYARDJ69.0	73617 TUNNEL 69.0	1	9.1	45.2	41.0	116.1
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1							CONTINGENCY 400LINE
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1							
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73616 [SCRRA PF69.000] CKT 1							CONTINGENCY 500LINE
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1							CONTINGENCY 800LINE
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1							CONTINGENCY 900LINE
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1							
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							CONTINGENCY 1000LINE
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
	73212 TRACY 115	0.9033	0.9533	73223 FRYBRT05 115	0.9165	0.9652
	73226 FRYBRT07 115	0.9179	0.9665	73229 FRY BR07 115	0.9171	0.9658

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                                                 73236 FRYBR05  115 0.9158 0.9646  73270 BROOKLYN 115 0.9065 0.9561
                                                 73281 EXETR PF 115 0.9162 0.9649

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 1490-1070LNS
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD    115.00] CKT 1 ------------------------------- CONTINGENCY 1080LINE
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8
                                                73611 DUDLEY T 115 73612*BEAN HLL 115 1      97.0    210.1    228.0     98.6
                                                73210 MONTVLLE 115 73611*DUDLEY T 115 1     104.8    219.3    183.0    127.0

                                                 X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.8673 0.9533  73213 TUNNEL   115 0.8999 0.9805
                                                 73223 FRYBRT05 115 0.8816 0.9652  73226 FRYBRT07 115 0.8830 0.9665
                                                 73229 FRY BR07 115 0.8823 0.9658  73236 FRYBR05  115 0.8809 0.9646
                                                 73270 BROOKLYN 115 0.8707 0.9561  73281 EXETR PF 115 0.8812 0.9649

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1 ------------------------------ CONTINGENCY 1090LINE
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ------------------------------- CONTINGENCY 1210LINE
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2 ------------------------------- CONTINGENCY 1220LINE
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73152 [UNCASVLB115.00] CKT 1 ------------------------------ CONTINGENCY 1235LINE
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73151 [UNCASVLA115.00] CKT 1 ------------------------------- CONTINGENCY 1250LINE
                                                73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7
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PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

C O N T I N G E N C Y E V E N T S (MULTI-SECTION LINE GROUPINGS)	O V E R L O A D E D L I N E S FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1									
	71811*KENT CO. 345	72565	KENT CO 115		1	397.1	451.0	449.0	100.4
	72557*DAVIST85 115	72565	KENT CO 115		1	183.6	268.0	286.0	96.8
	72557*DAVIST85 115	72572	W.KINGST 115		1	147.1	231.6	218.0	109.7
	73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

C O N T I N G E N C Y E V E N T S (MULTI-SECTION LINE GROUPINGS)	O V E R L O A D E D L I N E S FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

C O N T I N G E N C Y E V E N T S (MULTI-SECTION LINE GROUPINGS)	O V E R L O A D E D L I N E S FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73303 [SHUNOCK 115.00] CKT 1									
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73432 [MYSTC N2] CKT 1									
OPEN LINE FROM BUS 73432 [MYSTC N2] TO BUS 73429 [MYSTIC 34.500] CKT 1									
OPEN LINE FROM BUS 73432 [MYSTC N2] TO BUS 73430 [MYSTIC 13.800] CKT 1									
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.2	436.0	95.7

C O N T I N G E N C Y E V E N T S (MULTI-SECTION LINE GROUPINGS)	O V E R L O A D E D L I N E S FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1									
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1									
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

C O N T I N G E N C Y E V E N T S (MULTI-SECTION LINE GROUPINGS)	O V E R L O A D E D L I N E S FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 2									
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1									
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1									
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1									
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1									
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.8980	0.9533	73281 EXETR PF 115	0.9295	0.9649

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73238 [FLANDRSB115.00] CKT 1 ------------------------------- CONTINGENCY 1605LINE
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73239 [WILIAMSB115.00] CKT 1
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73442 [TRACY   23.000] CKT 1 ------------------------------- CONTINGENCY 1607LINE
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73281 [EXETR PF115.00] CKT 1
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

                                                       X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.8614 0.9533  73223 FRYBRT05 115 0.9066 0.9652
                                                       73229 FRY BR07 115 0.8504 0.9658  73236 FRYBR05  115 0.9046 0.9646
                                                       73270 BROOKLYN 115 0.8766 0.9561

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73229 FRY BR07 115 0.8504 0.9658

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1 ------------------------------- CONTINGENCY 1675LINE
OPEN LINE FROM BUS 73544 [TUNNEL  23.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

                                                       X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.9181 0.9533  73270 BROOKLYN 115 0.9211 0.9561

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1 ------------------------------- CONTINGENCY 1870SLINE
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73285 [CTRI1870115.00] CKT 1
OPEN LINE FROM BUS 73285 [CTRI1870115.00] TO BUS 72581 [WOOD RIV115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 72581 [WOOD RIV115.00] TO BUS 72538 [KENYON  115.00] CKT 1 ------------------------------- CONTINGENCY 1870LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 72572 [W.KINGST115.00] TO BUS 72538 [KENYON  115.00] CKT 1 ------------------------------- CONTINGENCY 1870NLINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7
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*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1 ---------------------------------- CONTINGENCY 330&SPS
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73285 [CTRI1870115.00] CKT 1
OPEN LINE FROM BUS 73285 [CTRI1870115.00] TO BUS 72581 [WOOD RIV115.00] CKT 1
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.9

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.9287 0.9533

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1 ---------------------------------- CONTINGENCY 347&SPS
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73285 [CTRI1870115.00] CKT 1
OPEN LINE FROM BUS 73285 [CTRI1870115.00] TO BUS 72581 [WOOD RIV115.00] CKT 1
OPEN LINE FROM BUS 73119 [LAKEROAD345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 72557 [DAVIST85115.00] TO BUS 72572 [W.KINGST115.00] CKT 1 ----------------------------------- CONTINGENCY G185S
OPEN LINE FROM BUS 72557 [DAVIST85115.00] TO BUS 72555 [OBAPT 85115.00] CKT 1
OPEN LINE FROM BUS 72557 [DAVIST85115.00] TO BUS 72565 [KENT CO 115.00] CKT 1
OPEN LINE FROM BUS 72555 [OBAPT 85115.00] TO BUS 72558 [DAVIS 85115.00] CKT 1
OPEN LINE FROM BUS 72572 [W.KINGST115.00] TO BUS 72627 [WKNGSTN134.500] CKT 1
                                                 72572 W.KINGST 115 72623*WKNGSTN234.5 1      30.2     70.0     54.0    129.7
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1 ---------------------------- CONTINGENCY 1000-1070DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.8974 0.9533  73213 TUNNEL   115 0.9278 0.9805
                                                  73223 FRYBRT05 115 0.9108 0.9652  73226 FRYBRT07 115 0.9121 0.9665
                                                  73229 FRY BR07 115 0.9114 0.9658  73236 FRYBR05  115 0.9101 0.9646
                                                  73270 BROOKLYN 115 0.9006 0.9561  73281 EXETR PF 115 0.9104 0.9649
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73612 BEAN HLL 115 0.9245 0.9923

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	---------- CONTINGENCY 1000-1080DCT						
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	*** NOT CONVERGED ***						

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	---------- CONTINGENCY 1000-1090DCT						
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.8998	0.9533	73223 FRYBRT05 115	0.9131	0.9652
	73226 FRYBRT07 115	0.9145	0.9665	73229 FRY BR07 115	0.9137	0.9658
	73236 FRYBR05 115	0.9124	0.9646	73270 BROOKLYN 115	0.9030	0.9561
	73281 EXETR PF 115	0.9128	0.9649	73612 BEAN HLL 115	0.9268	0.9923

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1280DCT						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1							
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1							
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1							
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1							
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1							
	71811*KENT CO. 345	72565 KENT CO	115	1	397.1	451.0	449.0	100.5
	72557*DAVIST85 115	72565 KENT CO	115	1	183.6	268.0	286.0	96.8
	72557*DAVIST85 115	72572 W.KINGST	115	1	147.1	231.6	218.0	109.7
	73107*SCOVL RK 345	73116 MIDDLTWN	345	1	428.2	428.1	436.0	95.8
	73611 DUDLEY T 115	73612*BEAN HLL	115	1	97.0	210.4	228.0	98.8
	73210 MONTVLLE 115	73611*DUDLEY T	115	1	104.8	219.6	183.0	127.4

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.8655	0.9533	73213 TUNNEL 115	0.8984	0.9805
	73223 FRYBRT05 115	0.8800	0.9652	73226 FRYBRT07 115	0.8814	0.9665
	73229 FRY BR07 115	0.8806	0.9658	73236 FRYBR05 115	0.8792	0.9646
	73270 BROOKLYN 115	0.8690	0.9561	73281 EXETR PF 115	0.8795	0.9649

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1070DCT						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1							
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7
	73611 DUDLEY T 115	73612*BEAN HLL 115	1	97.0	209.9	228.0	98.0
	73210 MONTVLLE 115	73611*DUDLEY T 115	1	104.8	219.2	183.0	126.4

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
73212 TRACY 115	0.8723	0.9533	73213 TUNNEL 115	0.9045	0.9805
73223 FRYBRT05 115	0.8864	0.9652	73226 FRYBRT07 115	0.8878	0.9665
73229 FRY BR07 115	0.8871	0.9658	73236 FRYBR05 115	0.8857	0.9646
73270 BROOKLYN 115	0.8757	0.9561	73281 EXETR PF 115	0.8860	0.9649

CONTINGENCY EVENTS	OVERLOADED LINES					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1675DCT						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	*** NOT CONVERGED ***						

CONTINGENCY EVENTS	OVERLOADED LINES					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1	---------- CONTINGENCY 1280-1465DCT						
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1							
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1							
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1							
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1							
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73303 [SHUNOCK 115.00] CKT 1							
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73432 [MYSTC N2] CKT 1							
OPEN LINE FROM BUS 73432 [MYSTC N2] TO BUS 73429 [MYSTIC 34.500] CKT 1							
OPEN LINE FROM BUS 73432 [MYSTC N2] TO BUS 73430 [MYSTIC 13.800] CKT 1							
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
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*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

C O N T I N G E N C Y E V E N T S				O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 2								CONTINGENCY 1505-1607DCT	
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1									
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1									
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1									
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1									
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1									
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 1									
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00] CKT 1									
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1									
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1									
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.6		

C O N T I N G E N C Y E V E N T S				O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1								CONTINGENCY 100-1410DCT	
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1									
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7		
	73345*LEDYARDJ69.0	73617 TUNNEL 69.0	1	9.1	45.5	41.0	116.9		

C O N T I N G E N C Y E V E N T S				O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1								CONTINGENCY 800-900DCT	
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1									
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1									
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1									
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7		

C O N T I N G E N C Y E V E N T S				O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1								CONTINGENCY 100-400STB	
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1									
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1									
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1									
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7		

C O N T I N G E N C Y E V E N T S				O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT		
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1								CONTINGENCY 400-500STB	
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1									
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1									
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73616 [SCRRA PF69.000] CKT 1									
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7		

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
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*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1	---------- CONTINGENCY 400TUNAUSTB				
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1					
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1					
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1	---------- CONTINGENCY 800-LOADSTB				
OPEN LINE FROM BUS 73435 [MANSFLD 27.600] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 2					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.7
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1	---------- CONTINGENCY 900-LOADSTB				
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1					
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 2					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.7
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	---------- CONTINGENCY 1000-1675STB				
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1					
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.7

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
73212 TRACY 115	0.9107	0.9533	73223 FRYBRT05 115	0.9236	0.9652
73226 FRYBRT07 115	0.9249	0.9665	73229 FRY BR07 115	0.9242	0.9658
73236 FRYBR05 115	0.9229	0.9646	73270 BROOKLYN 115	0.9137	0.9561
73281 EXETR PF 115	0.9232	0.9649			

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
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*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES						
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	MVA(MW) PRE-CNT	MVA(MW) POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1607STB						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 1							
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00] CKT 1							
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1							
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1							
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.9
	73611 DUDLEY T 115	73612*BEAN HLL 115	1	97.0	240.9	228.0	119.7
	73210 MONTVLLE 115	73611*DUDLEY T 115	1	104.8	251.1	183.0	152.8
	73345 LEDYARDJ69.0	73617*TUNNEL 69.0	1	9.1	37.9	41.0	102.1

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
	73212 TRACY 115	0.6223	0.9533	73213 TUNNEL 115	0.8146	0.9805
	73223 FRYBRT05 115	0.7157	0.9652	73229 FRY BR07 115	0.6158	0.9658
	73236 FRYBR05 115	0.7121	0.9646	73270 BROOKLYN 115	0.6548	0.9561
	73611 DUDLEY T 115	0.8978	0.9954	73612 BEAN HLL 115	0.8831	0.9923
	73616 SCRRA PF69.0	0.9045	1.0010	73617 TUNNEL 69.0	0.9045	1.0009

'115KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000:	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
	73212 TRACY 115	0.6223	0.9533	73213 TUNNEL 115	0.8146	0.9805
	73223 FRYBRT05 115	0.7157	0.9652	73229 FRY BR07 115	0.6158	0.9658
	73236 FRYBR05 115	0.7121	0.9646	73270 BROOKLYN 115	0.6548	0.9561
	73612 BEAN HLL 115	0.8831	0.9923			

CONTINGENCY EVENTS	OVERLOADED LINES						
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	MVA(MW) PRE-CNT	MVA(MW) POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1210-DS						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73438 [WLMNTCN1] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73439 [WLMNTCN2] TO BUS 73209 [WILLMNTC115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.8
	73611 DUDLEY T 115	73612*BEAN HLL 115	1	97.0	210.1	228.0	98.6
	73210 MONTVLLE 115	73611*DUDLEY T 115	1	104.8	219.3	183.0	127.1

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
	73212 TRACY 115	0.8669	0.9533	73213 TUNNEL 115	0.8996	0.9805
	73223 FRYBRT05 115	0.8813	0.9652	73226 FRYBRT07 115	0.8827	0.9665
	73229 FRY BR07 115	0.8819	0.9658	73236 FRYBR05 115	0.8805	0.9646
	73270 BROOKLYN 115	0.8703	0.9561	73281 EXETR PF 115	0.8808	0.9649

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD    115.00] CKT 1 ---------------------------- CONTINGENCY 1080-1220-DS
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2
OPEN LINE FROM BUS 73438 [WLMNTCN1      ] TO BUS 73209 [WILLMNTC115.00] CKT 1
OPEN LINE FROM BUS 73439 [WLMNTCN2      ] TO BUS 73209 [WILLMNTC115.00] CKT 1
                                           73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8
                                           73611 DUDLEY T 115 73612*BEAN HLL 115 1      97.0    210.1    228.0     98.6
                                           73210 MONTVLLE 115 73611*DUDLEY T 115 1     104.8    219.3    183.0    127.1

                                            X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.8669 0.9533  73213 TUNNEL   115 0.8996 0.9805
                                                        73223 FRYBRT05 115 0.8813 0.9652  73226 FRYBRT07 115 0.8827 0.9665
                                                        73229 FRY BR07 115 0.8819 0.9658  73236 FRYBR05  115 0.8805 0.9646
                                                        73270 BROOKLYN 115 0.8703 0.9561  73281 EXETR PF 115 0.8808 0.9649

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ---------------------------- CONTINGENCY 1210-DTRFSTB
OPEN LINE FROM BUS 73438 [WLMNTCN1      ] TO BUS 73209 [WILLMNTC115.00] CKT 1
OPEN LINE FROM BUS 73439 [WLMNTCN2      ] TO BUS 73209 [WILLMNTC115.00] CKT 1
                                           73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2 ---------------------------- CONTINGENCY 1220-DTRFSTB
OPEN LINE FROM BUS 73438 [WLMNTCN1      ] TO BUS 73209 [WILLMNTC115.00] CKT 1
OPEN LINE FROM BUS 73439 [WLMNTCN2      ] TO BUS 73209 [WILLMNTC115.00] CKT 1
                                           73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73442 [TRACY   23.000] CKT 2 ---------------------------- CONTINGENCY 1505-1675STB
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73544 [TUNNEL  23.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                           73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

                                            X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.8274 0.9533  73213 TUNNEL   115 0.9205 0.9805
                                                        73226 FRYBRT07 115 0.8725 0.9665  73229 FRY BR07 115 0.8704 0.9658
                                                        73276 LISBN PF 115 0.9298 0.9838  73281 EXETR PF 115 0.8672 0.9649
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PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

'115KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73212 TRACY 115 0.8274 0.9533

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73152 [UNCASVLB115.00] CKT 1	---------- CONTINGENCY 1235-1090STB				
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.7

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	---------- CONTINGENCY 1000-1250STB				
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1					
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73151 [UNCASVLA115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.7

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
73212 TRACY 115	0.8982	0.9533	73213 TUNNEL 115	0.9286	0.9805
73223 FRYBRT05 115	0.9116	0.9652	73226 FRYBRT07 115	0.9129	0.9665
73229 FRY BR07 115	0.9121	0.9658	73236 FRYBR05 115	0.9109	0.9646
73270 BROOKLYN 115	0.9014	0.9561	73281 EXETR PF 115	0.9112	0.9649
73612 BEAN HLL 115	0.9252	0.9923			

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1605STB				
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1					
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73238 [FLANDRSB115.00] CKT 1					
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73239 [WILIAMSB115.00] CKT 1					
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
	73611 DUDLEY T 115 73612*BEAN HLL 115 1	97.0	208.8	228.0	97.5
	73210 MONTVLLE 115 73611*DUDLEY T 115 1	104.8	218.8	183.0	126.2

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
73212 TRACY 115	0.8727	0.9533	73213 TUNNEL 115	0.9045	0.9805
73223 FRYBRT05 115	0.8867	0.9652	73226 FRYBRT07 115	0.8881	0.9665
73229 FRY BR07 115	0.8873	0.9658	73236 FRYBR05 115	0.8860	0.9646
73270 BROOKLYN 115	0.8761	0.9561	73281 EXETR PF 115	0.8863	0.9649

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1	CONTINGENCY 1280-1500STB									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1										
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1										
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1										
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1										
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1										
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1										
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1										
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1										
		71811*KENT CO. 345	72565	KENT CO 115		1	397.1	450.9	449.0	100.4
		72557*DAVIST85 115	72565	KENT CO 115		1	183.6	267.4	286.0	96.4
		72557*DAVIST85 115	72572	W.KINGST 115		1	147.1	230.6	218.0	109.1
		73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.2	436.0	95.7

CONTINGENCY EVENTS	OVERLOADED LINES	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1	CONTINGENCY 1410-MNT6STB									
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1										
		73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

CONTINGENCY EVENTS	OVERLOADED LINES	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	CONTINGENCY 1000-345									
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1										
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1										
		73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
73212 TRACY 115	0.8978	0.9533	73213 TUNNEL 115	0.9280	0.9805
73223 FRYBRT05 115	0.9111	0.9652	73226 FRYBRT07 115	0.9124	0.9665
73229 FRY BR07 115	0.9116	0.9658	73236 FRYBR05 115	0.9104	0.9646
73270 BROOKLYN 115	0.9009	0.9561	73281 EXETR PF 115	0.9107	0.9649
73612 BEAN HLL 115	0.9247	0.9923			

CONTINGENCY EVENTS	OVERLOADED LINES	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1	CONTINGENCY 1090-345									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1										
		73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.7

CONTINGENCY EVENTS	OVERLOADED LINES	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	CONTINGENCY 1080-345									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1										
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1										
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1										
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1										
		73107*SCOVL RK 345	73116	MIDDLTWN 345		1	428.2	428.1	436.0	95.8

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                                                 73611 DUDLEY T 115 73612*BEAN HLL 115 1      97.0    210.7    228.0     98.8
                                                 73210 MONTVLLE 115 73611*DUDLEY T 115 1     104.8    219.7    183.0    127.2

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.8675 0.9533  73213 TUNNEL   115 0.9004 0.9805
                                                  73223 FRYBRT05 115 0.8820 0.9652  73226 FRYBRT07 115 0.8834 0.9665
                                                  73229 FRY BR07 115 0.8826 0.9658  73236 FRYBR05  115 0.8812 0.9646
                                                  73270 BROOKLYN 115 0.8710 0.9561  73281 EXETR PF 115 0.8815 0.9649

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1 ------------------------------- CONTINGENCY 1280-345
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73429 [MYSTIC  34.500] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73430 [MYSTIC  13.800] CKT 1
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1
                                                 71811*KENT CO. 345 72565 KENT CO  115 1     397.1    450.9    449.0    100.4
                                                 72557*DAVIST85 115 72565 KENT CO  115 1     183.6    268.0    286.0     96.8
                                                 72557*DAVIST85 115 72572 W.KINGST 115 1     147.1    231.6    218.0    109.7
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1 ------------------------------- CONTINGENCY 1410-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73152 [UNCASVLB115.00] CKT 1 ------------------------------- CONTINGENCY 1235-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73151 [UNCASVLA115.00] CKT 1 ------------------------------- CONTINGENCY 1250-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73238 [FLANDRSB115.00] CKT 1 ------------------------------- CONTINGENCY 1605-345
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73239 [WILIAMSB115.00] CKT 1
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7
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PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1	---------- CONTINGENCY 1500-345						
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1							
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73559 [MONTV#6 22.000] TO BUS 73210 [MONTVLLE115.00] CKT 1	---------- CONTINGENCY MON6-345						
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1	---------- CONTINGENCY MON5-345						
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73538 [AESTH PF20.000] TO BUS 73210 [MONTVLLE115.00] CKT 1	---------- CONTINGENCY AES-345						
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.9

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1	---------- CONTINGENCY MON5-AUTO						
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7
	73345*LEDYARDJ69.0	73617 TUNNEL 69.0	1	9.1	45.2	41.0	116.0

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-AUTO						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.8
	73611 DUDLEY T 115	73612*BEAN HLL 115	1	97.0	210.8	228.0	98.1
	73210 MONTVLLE 115	73611*DUDLEY T 115	1	104.8	219.9	183.0	126.4

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.8817	0.9533	73213 TUNNEL 115	0.9134	0.9805
	73223 FRYBRT05 115	0.8956	0.9652	73226 FRYBRT07 115	0.8970	0.9665
	73229 FRY BR07 115	0.8963	0.9658	73236 FRYBR05 115	0.8949	0.9646
	73270 BROOKLYN 115	0.8850	0.9561	73281 EXETR PF 115	0.8952	0.9649

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1 ------------------------------ CONTINGENCY 1675-AUTO
OPEN LINE FROM BUS 73617 [TUNNEL  69.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73544 [TUNNEL  23.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

                                                       X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.9260 0.9533  73270 BROOKLYN 115 0.9290 0.9561

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1 ------------------------------ CONTINGENCY 800-AUTO
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1 ------------------------------ CONTINGENCY 900-AUTO
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ------------------------------ CONTINGENCY 1210-1490
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ------------------------------ CONTINGENCY 1210-AUTO
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2 ------------------------------ CONTINGENCY 1220-AUTO
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 14901070T345
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.9
                                                      73214 WAWECSJ  115 73215*CARD     115 1      84.2    152.4    181.0     95.1
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PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73209 WILLMNTC 115 0.8846 1.0054  73212 TRACY    115 0.9114 0.9533
                                                        73215 CARD     115 0.8853 1.0059  73223 FRYBRT05 115 0.9246 0.9652
                                                        73226 FRYBRT07 115 0.9259 0.9665  73229 FRY BR07 115 0.9251 0.9658
                                                        73236 FRYBR05  115 0.9239 0.9646  73270 BROOKLYN 115 0.9145 0.9561
                                                        73281 EXETR PF 115 0.9242 0.9649  73347 CARD    69.0 0.9204 1.0001
                                                        73348 MANSFLDJ69.0 0.9093 0.9907  73349 MANSFLD 69.0 0.9056 0.9875
                                                        73350 SKUNGAMG69.0 0.9028 0.9849

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73209 WILLMNTC 115 0.8846 1.0054  73215 CARD     115 0.8853 1.0059

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1 ---------------------------- CONTINGENCY CARDTRANSFOR
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.9298 0.9533

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 --------------------------------- CONTINGENCY 310LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.9

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73119 [LAKEROAD345.00] TO BUS 73118 [CTRI347 345.00] CKT 1 --------------------------------- CONTINGENCY 347LINE
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73118 [CTRI347 345.00] CKT 1 ------------------------------ CONTINGENCY 347-LKRD
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                      71811*KENT CO. 345 72565 KENT CO  115 1     397.1    448.0    449.0     99.8
                                                      72557*DAVIST85 115 72572 W.KINGST 115 1     147.1    220.2    218.0    103.3
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ------------------------------- CONTINGENCY 348WAUTO
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73230 [HADDAM  115.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    427.5    436.0     97.6
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PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN BRANCH FROM BUS 73108 [CARD 345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1	---------- CONTINGENCY 330LINE				
OPEN BRANCH FROM BUS 73108 [CARD 345.00] TO BUS 73215 [CARD 115.00] CKT 1					
	71811*KENT CO. 345 72565 KENT CO 115 1	397.1	489.9	449.0	109.1
	72557*DAVIST85 115 72565 KENT CO 115 1	183.6	286.8	286.0	103.7
	72557*DAVIST85 115 72572 W.KINGST 115 1	147.1	249.9	218.0	118.5
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	96.0

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY 115 0.9271 0.9533

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN BRANCH FROM BUS 73108 [CARD 345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1	---------- CONTINGENCY 330-LKRD				
OPEN BRANCH FROM BUS 73108 [CARD 345.00] TO BUS 73215 [CARD 115.00] CKT 1					
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1					
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1					
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1					
	71811*KENT CO. 345 72565 KENT CO 115 1	397.1	455.0	449.0	101.3
	72557*DAVIST85 115 72565 KENT CO 115 1	183.6	267.5	286.0	96.1
	72557*DAVIST85 115 72572 W.KINGST 115 1	147.1	230.6	218.0	108.7
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.0	436.0	95.9

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY 115 0.9286 0.9533

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73113 [HADDM NK345.00] TO BUS 73109 [MONTVILE345.00] CKT 1	---------- CONTINGENCY 364LN&AUTO				
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	427.9	436.0	96.2

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	---------- CONTINGENCY 368LINE				
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.8

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73109 [MONTVILE345.00] CKT 1	---------- CONTINGENCY 371LN&AUTO				
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	427.9	436.0	96.6
	73214 WAWECSJ 115 73215*CARD 115 1	84.2	175.6	181.0	96.8

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73108 [CARD 345.00] CKT 1	---------- CONTINGENCY 383LINE				
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.8

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 71339 [N.SMITH 345.00] CKT 1	CONTINGENCY 328LINE(NEP)				
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1	CONTINGENCY 336LINE(NEP)				
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	CONTINGENCY 310-348DCT				
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1					
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1					
OPEN LINE FROM BUS 73230 [HADDAM 115.00] TO BUS 73121 [HADAUTO 345.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	427.0	436.0	98.5
	73648*BPTHBR#322.0 73700 PEQUONIC 115 1	403.6	419.7	440.0	95.4
C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	CONTINGENCY 310-368DCT				
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	427.9	436.0	96.3
C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73108 [CARD 345.00] CKT 1	CONTINGENCY 383-371DCT				
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73109 [MONTVILE345.00] CKT 1					
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	427.9	436.0	96.9
C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73112 [MANCHSTR345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1	CONTINGENCY MANCHSTBKR				
OPEN LINE FROM BUS 73112 [MANCHSTR345.00] TO BUS 73103 [MEEKVL J345.00] CKT 1					
OPEN LINE FROM BUS 73103 [MEEKVL J345.00] TO BUS 72925 [LUDLOW 345.00] CKT 1					
OPEN LINE FROM BUS 73103 [MEEKVL J345.00] TO BUS 73111 [NOBLMFLD345.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.9
C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	CONTINGENCY CARD2TSTBKR				
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1					
	71811*KENT CO. 345 72565 KENT CO 115 1	397.1	428.7	449.0	95.5
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.9
	73108*CARD 345 73215 CARD 115 1	277.8	526.6	536.0	98.2
	73214 WAWECSJ 115 73215*CARD 115 1	84.2	214.2	181.0	118.8

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1							CONTINGENCY MILS8TSTBKR
OPEN LINE FROM BUS 73562 [MILL#2 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	427.9	436.0	96.3

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1							CONTINGENCY MILS14TSTBKR
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1							
OPEN LINE FROM BUS 73563 [MILL#3 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	426.4	436.0	100.2
	73119 LAKEROAD 345	73565*LAKERD#121.0	1	292.1	329.7	330.0	99.9
	73119 LAKEROAD 345	73566*LAKERD#221.0	1	292.1	329.7	330.0	99.9
	73119 LAKEROAD 345	73567*LAKERD#321.0	1	292.1	329.7	330.0	99.9
	73648*BPTHBR#322.0	73700 PEQUONIC 115	1	403.6	432.4	440.0	98.3

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500:	73121 HADAUTO 345	0.9379	1.0079			

'MP ' BUSES WITH VOLTAGE LESS THAN 1.0000: 73110 MILLSTNE 345 0.9901 1.0350

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1							CONTINGENCY CARD3TSTBKR
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73215 [CARD 115.00] CKT 1							
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1							
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1							
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1							
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1							
	71811*KENT CO. 345	72565 KENT CO 115	1	397.1	453.8	449.0	101.1
	72557*DAVIST85 115	72565 KENT CO 115	1	183.6	265.6	286.0	95.4
	72557*DAVIST85 115	72572 W.KINGST 115	1	147.1	228.8	218.0	107.8
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.0	436.0	96.2

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.9275	0.9533			

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1							CONTINGENCY CARD1TSTBKR
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73215 [CARD 115.00] CKT 1							
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1							
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1							
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1							
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1							
	71811*KENT CO. 345	72565 KENT CO 115	1	397.1	453.9	449.0	101.1
	72557*DAVIST85 115	72565 KENT CO 115	1	183.6	265.7	286.0	95.4
	72557*DAVIST85 115	72572 W.KINGST 115	1	147.1	228.9	218.0	107.8
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	427.9	436.0	96.2

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
NE-NY 0, CT IMP 2200

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

	X------ BUS -----X V-CONT V-INIT	X------ BUS -----X V-CONT V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115 0.9273 0.9533	

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1	---------- CONTINGENCY MONTV1TSTBKR					
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73113 [HADDM NK345.00] CKT 1						
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1						
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 2						
	71811*KENT CO. 345	72565 KENT CO 115	1	397.1	442.4	449.0	98.5
	72557*DAVIST85 115	72572 W.KINGST 115	1	147.1	218.6	218.0	102.7
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	427.9	436.0	96.4
	73108*CARD 345	73215 CARD 115	1	277.8	599.2	536.0	111.8
	73214*WAWECSJ 115	73215 CARD 115	1	84.2	229.1	181.0	133.3
	73215 CARD 115	73218*STKHOUSE 115	1	49.6	176.5	186.0	96.9

	X------ BUS -----X V-CONT V-INIT	X------ BUS -----X V-CONT V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115 0.8912 0.9533	73213 TUNNEL 115 0.9224 0.9805
	73223 FRYBRT05 115 0.9049 0.9652	73226 FRYBRT07 115 0.9063 0.9665
	73229 FRY BR07 115 0.9055 0.9658	73236 FRYBR05 115 0.9042 0.9646
	73270 BROOKLYN 115 0.8945 0.9561	73276 LISBN PF 115 0.9272 0.9838
	73281 EXETR PF 115 0.9045 0.9649	

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1	---------- CONTINGENCY SOUTHI348STB					
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1						
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1						
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	427.4	436.0	97.6
	73648*BPTHBR#322.0 73700	PEQUONIC 115	1	403.6	419.0	440.0	95.2

	X------ BUS -----X V-CONT V-INIT	X------ BUS -----X V-CONT V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500:	73121 HADAUTO 345 0.9452 1.0079	

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	---------- CONTINGENCY MANCHE310STB					
OPEN LINE FROM BUS 73242 [MANCHSTR115.00] TO BUS 73112 [MANCHSTR345.00] CKT 1						
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.0	436.0	96.0

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X	X--MVA(MW)FLOW--X			
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	---------- CONTINGENCY MANCHE368STB					
OPEN LINE FROM BUS 73242 [MANCHSTR115.00] TO BUS 73112 [MANCHSTR345.00] CKT 1						
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.9

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73118 [CTRI347 345.00] CKT 1								CONTINGENCY SHERMANRDSTB
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1								
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1								
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1								
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1								
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1								
	71811*KENT CO. 345	72565 KENT CO 115	1	397.1	439.0	449.0	97.8	
	72557*DAVIST85 115	72572 W.KINGST 115	1	147.1	216.7	218.0	101.6	
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.8	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73563 [MILL#3 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1								CONTINGENCY LOSSMP3
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	427.6	436.0	97.2	
	73119 LAKEROAD 345	73565*LAKERD#121.0	1	292.1	329.7	330.0	99.9	
	73119 LAKEROAD 345	73566*LAKERD#221.0	1	292.1	329.7	330.0	99.9	
	73119 LAKEROAD 345	73567*LAKERD#321.0	1	292.1	329.7	330.0	99.9	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73562 [MILL#2 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1								CONTINGENCY LOSSMP2
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.0	436.0	96.1	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1								CONTINGENCY LOLAKERD
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1								CONTINGENCY LOSSMON5
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73559 [MONTV#6 22.000] TO BUS 73210 [MONTVLLE115.00] CKT 1								CONTINGENCY LOSSMON6
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73538 [AESTH PF20.000] TO BUS 73210 [MONTVLLE115.00] CKT 1								CONTINGENCY LOSSAES
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.9	

CONTINGENCY EVENTS	OVERLOADED LINES							
	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1								CONTINGENCY MONTVILLAUTO
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.1	436.0	95.7	
	73345*LEDYARDJ69.0	73617 TUNNEL 69.0	1	9.1	45.2	41.0	116.0	

PK1B.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF, AES TH ON
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*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
CONTINGENCY TUNNELAUTO					
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
CONTINGENCY MONTL345					
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73347 [CARD 69.000] CKT 1	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.1	436.0	95.7
CONTINGENCY CARDAUTO					

PK1C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LIS
NE-NY 0, CT IMP 2200

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

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-1.con

CONTINGENCY EVENTS	OVERLOADED LINES						
MULTI-SECTION LINE GROUPINGS	FROM	TO	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000]							
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00]							
	73345*LEDYARDJ69.0	73617 TUNNEL 69.0	1	3.5	44.9	41.0	115.1

CONTINGENCY 100LINE

CONTINGENCY EVENTS	OVERLOADED LINES						
MULTI-SECTION LINE GROUPINGS	FROM	TO	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000]							
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00]							
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00]							
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00]							
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00]							

CONTINGENCY 1607LINE

*** NONE ***

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.8592	0.9807	73223 FRYBRT05 115	0.9052	0.9872
	73229 FRY BR07 115	0.8491	0.9949	73236 FRYBR05 115	0.9032	0.9866
	73270 BROOKLYN 115	0.8747	0.9815			
'115KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000:	73212 TRACY 115	0.8592	0.9807	73229 FRY BR07 115	0.8491	0.9949
	73270 BROOKLYN 115	0.8747	0.9815			

CONTINGENCY EVENTS	OVERLOADED LINES						
MULTI-SECTION LINE GROUPINGS	FROM	TO	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00]							
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00]							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00]							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00]							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00]							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00]							

CONTINGENCY 1000-1080DCT

*** NOT CONVERGED ***

CONTINGENCY EVENTS	OVERLOADED LINES						
MULTI-SECTION LINE GROUPINGS	FROM	TO	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00]							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00]							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00]							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00]							
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00]							
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00]							

CONTINGENCY 1080-1675DCT

*** NOT CONVERGED ***

PK1C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LIS
NE-NY 0, CT IMP 2200

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

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1 ---------------------------- CONTINGENCY 100-1410DCT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1
                                                      73345*LEDYARDJ69.0 73617 TUNNEL  69.0 1       3.5     44.8     41.0    115.0

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD    115.00] CKT 1 ---------------------------- CONTINGENCY 1080-1607STB
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73442 [TRACY   23.000] CKT 1
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73281 [EXETR PF115.00] CKT 1
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                      73611 DUDLEY T 115 73612*BEAN HLL 115 1      64.9    220.2    228.0    108.0
                                                      73210 MONTVLLE 115 73611*DUDLEY T 115 1      72.5    229.7    183.0    138.3

                                                       X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.6395 0.9807  73213 TUNNEL   115 0.8305 0.9973
                                                       73223 FRYBRT05 115 0.7332 0.9872  73229 FRY BR07 115 0.6395 0.9949
                                                       73236 FRYBR05  115 0.7298 0.9866  73270 BROOKLYN 115 0.6723 0.9815
                                                       73611 DUDLEY T 115 0.9076 1.0046  73612 BEAN HLL 115 0.8940 1.0028
                                                       73617 TUNNEL  69.0 0.9264 1.0019

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73212 TRACY    115 0.6395 0.9807  73213 TUNNEL   115 0.8305 0.9973
                                                       73223 FRYBRT05 115 0.7332 0.9872  73229 FRY BR07 115 0.6395 0.9949
                                                       73236 FRYBR05  115 0.7298 0.9866  73270 BROOKLYN 115 0.6723 0.9815
                                                       73612 BEAN HLL 115 0.8940 1.0028

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73442 [TRACY   23.000] CKT 2 ---------------------------- CONTINGENCY 1505-1675STB
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73544 [TUNNEL  23.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                                                                  *** NONE ***

                                                       X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.9259 0.9807
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PK1C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LIS
NE-NY 0, CT IMP 2200

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

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1 ------------------------------ CONTINGENCY MON5-AUTO
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1
                                                 73345*LEDYARDJ69.0 73617 TUNNEL  69.0 1       3.5     44.9     41.0    115.0

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD    115.00] CKT 1 ------------------------------ CONTINGENCY 1080-AUTO
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73617 [TUNNEL  69.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                 73210 MONTVLLE 115 73611*DUDLEY T 115 1      72.5    183.9    183.0    103.0

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 14901070T345
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1
                                                                                      *** NONE ***

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73209 WILLMNTC 115 0.9009 1.0034  73215 CARD     115 0.9015 1.0039
                                                        73348 MANSFLDJ69.0 0.9273 0.9887  73349 MANSFLD 69.0 0.9238 0.9855
                                                        73350 SKUNGAMG69.0 0.9211 0.9829

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73209 WILLMNTC 115 0.9009 1.0034  73215 CARD     115 0.9015 1.0039

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73109 [MONTVILE345.00] CKT 1 ------------------------------ CONTINGENCY 371LN&AUTO
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
                                                 73214 WAWECSJ  115 73215*CARD     115 1      83.4    182.9    181.0    100.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ------------------------------ CONTINGENCY CARD2TSTBKR
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                 73214 WAWECSJ  115 73215*CARD     115 1      83.4    209.9    181.0    116.2

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY MILS14TSTBKR
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73563 [MILL#3  24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                                                      *** NONE ***

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9430 1.0086
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PK1C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LIS
NE-NY 0, CT IMP 2200

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

'MP ' BUSES WITH VOLTAGE LESS THAN 1.0000: 73110 MILLSTNE 345 0.9964 1.0350

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1	----------	----------					CONTINGENCY MONTV1TSTBKR
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73113 [HADDM NK345.00] CKT 1							
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 2							

*** NOT CONVERGED ***

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1	----------	----------					CONTINGENCY SOUTHI348STB
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1							
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1							

*** NONE ***

	X------ BUS -----X V-CONT V-INIT	X------ BUS -----X V-CONT V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500:	73121 HADAUTO 345 0.9479 1.0086	

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1	----------	----------					CONTINGENCY MONTVILLAUTO
	73345*LEDYARDJ69.0	73617 TUNNEL 69.0 1		3.5	44.9	41.0	115.0

PK1D.SAV, MILLSTONE UNITS OFF
NE-NY 0, CT IMP 2200

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

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-1.con

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1					CONTINGENCY 100LINE
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	73345*LEDYARDJ69.0 73617 TUNNEL 69.0 1	0.5	44.1	41.0	112.9

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 1					CONTINGENCY 1607LINE
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00] CKT 1					
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1					
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1					
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
	*** NONE ***				

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:	73212 TRACY 115	0.8621	0.9791	73223 FRYBRT05 115	0.9084	0.9856
	73229 FRY BR07 115	0.8524	0.9934	73236 FRYBR05 115	0.9064	0.9851
	73270 BROOKLYN 115	0.8777	0.9799			
'115KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000:	73212 TRACY 115	0.8621	0.9791	73229 FRY BR07 115	0.8524	0.9934
	73270 BROOKLYN 115	0.8777	0.9799			

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1					CONTINGENCY 1000-1080DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1					
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1					
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1					
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
	*** NOT CONVERGED ***				

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1					CONTINGENCY 1080-1675DCT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1					
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1					
	*** NOT CONVERGED ***				

PK1D.SAV, MILLSTONE UNITS OFF
NE-NY 0, CT IMP 2200

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

CONTINGENCY EVENTS: MULTI-SECTION LINE GROUPINGS	OVERLOADED LINES: FROM	NAME	TO	NAME	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1									
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1									
	73345*LEDYARDJ69.0		73617 TUNNEL	69.0	1	0.5	44.1	41.0	113.0

CONTINGENCY 100-1410DCT

CONTINGENCY EVENTS: MULTI-SECTION LINE GROUPINGS	OVERLOADED LINES: FROM	NAME	TO	NAME	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1									
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 1									
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00] CKT 1									
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1									
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1									
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
	73611 DUDLEY T 115		73612*BEAN HLL 115		1	75.3	220.0	228.0	108.0
	73210 MONTVLLE 115		73611*DUDLEY T 115		1	83.0	229.5	183.0	138.3

CONTINGENCY 1080-1607STB

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
73212 TRACY 115	0.6388	0.9791	73213 TUNNEL 115	0.8298	0.9958
73223 FRYBRT05 115	0.7325	0.9856	73229 FRY BR07 115	0.6389	0.9934
73236 FRYBR05 115	0.7291	0.9851	73270 BROOKLYN 115	0.6716	0.9799
73611 DUDLEY T 115	0.9069	1.0018	73612 BEAN HLL 115	0.8933	1.0002
73617 TUNNEL 69.0	0.9256	1.0000			

'115KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000:

BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
73212 TRACY 115	0.6388	0.9791	73213 TUNNEL 115	0.8298	0.9958
73223 FRYBRT05 115	0.7325	0.9856	73229 FRY BR07 115	0.6389	0.9934
73236 FRYBR05 115	0.7291	0.9851	73270 BROOKLYN 115	0.6716	0.9799
73612 BEAN HLL 115	0.8933	1.0002			

CONTINGENCY EVENTS: MULTI-SECTION LINE GROUPINGS	OVERLOADED LINES: FROM	NAME	TO	NAME	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73442 [TRACY 23.000] CKT 2									
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1									
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1									
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1									
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1									
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1									
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1									
	*** NONE ***								

CONTINGENCY 1505-1675STB

'115KV ' BUSES WITH VOLTAGE LESS THAN 0.9300:

BUS	V-CONT	V-INIT	BUS	V-CONT	V-INIT
73212 TRACY 115	0.9262	0.9791			

PK1D.SAV, MILLSTONE UNITS OFF
NE-NY 0, CT IMP 2200

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

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1 ------------------------------ CONTINGENCY MON5-AUTO
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1
                                                 73345*LEDYARDJ69.0 73617 TUNNEL  69.0 1       0.5     44.1     41.0    113.0

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD    115.00] CKT 1 ------------------------------ CONTINGENCY 1080-AUTO
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73617 [TUNNEL  69.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                 73210 MONTVLLE 115 73611*DUDLEY T 115 1      83.0    184.0    183.0    103.1

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 14901070T345
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1
                                                                                    *** NONE ***

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73209 WILLMNTC 115 0.9011 1.0048  73215 CARD     115 0.9016 1.0053
                                                        73348 MANSFLDJ69.0 0.9276 0.9901  73349 MANSFLD 69.0 0.9241 0.9869
                                                        73350 SKUNGAMG69.0 0.9214 0.9843

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73209 WILLMNTC 115 0.9011 1.0048  73215 CARD     115 0.9016 1.0053

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ------------------------------ CONTINGENCY CARD2TSTBKR
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                 73214 WAWECSJ  115 73215*CARD     115 1      32.4    199.3    181.0    110.4

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1 ---------------------------- CONTINGENCY MONTVILLAUTO
                                                 73345*LEDYARDJ69.0 73617 TUNNEL  69.0 1       0.5     44.1     41.0    112.8
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*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-1.con

```
X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1 ---------------------------- CONTINGENCY 1000-1080DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                       73343*GALESF A69.0 73344 MONTVLLE69.0 1      13.0     95.6     96.0    105.2
                                                       73345 LEDYARDJ69.0 73617*TUNNEL  69.0 1       6.6     72.1     41.0    211.2

                                                        X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.7213 0.9992  73213 TUNNEL   115 0.7356 1.0072
                                                        73223 FRYBRT05 115 0.7278 1.0030  73226 FRYBRT07 115 0.7285 1.0034
                                                        73229 FRY BR07 115 0.7281 1.0032  73236 FRYBR05  115 0.7275 1.0028
                                                        73270 BROOKLYN 115 0.7229 1.0001  73281 EXETR PF 115 0.7276 1.0029
                                                        73612 BEAN HLL 115 0.7346 1.0100  73616 SCRRA PF69.0 0.8411 1.0031
                                                        73617 TUNNEL  69.0 0.8323 0.9991

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73212 TRACY    115 0.7213 0.9992  73213 TUNNEL   115 0.7356 1.0072
                                                        73223 FRYBRT05 115 0.7278 1.0030  73226 FRYBRT07 115 0.7285 1.0034
                                                        73229 FRY BR07 115 0.7281 1.0032  73236 FRYBR05  115 0.7275 1.0028
                                                        73270 BROOKLYN 115 0.7229 1.0001  73281 EXETR PF 115 0.7276 1.0029
                                                        73612 BEAN HLL 115 0.7346 1.0100  73616 SCRRA PF69.0 0.8411 1.0031
                                                        73617 TUNNEL  69.0 0.8323 0.9991

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73215 [CARD    115.00] CKT 1 ---------------------------- CONTINGENCY 1080-1675DCT
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
OPEN LINE FROM BUS 73544 [TUNNEL  23.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                       73345 LEDYARDJ69.0 73617*TUNNEL  69.0 1       6.6     62.9     41.0    177.4

                                                        X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73212 TRACY    115 0.7536 0.9992  73213 TUNNEL   115 0.7669 1.0072
                                                        73223 FRYBRT05 115 0.7597 1.0030  73226 FRYBRT07 115 0.7603 1.0034
                                                        73229 FRY BR07 115 0.7600 1.0032  73236 FRYBR05  115 0.7594 1.0028
                                                        73270 BROOKLYN 115 0.7551 1.0001  73281 EXETR PF 115 0.7596 1.0029
                                                        73616 SCRRA PF69.0 0.8728 1.0031  73617 TUNNEL  69.0 0.8642 0.9991

  '115KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73212 TRACY    115 0.7536 0.9992  73213 TUNNEL   115 0.7669 1.0072
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SPRING LIGHT 2006, CT IMPORT 2200

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

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                                                 73223 FRYBRT05 115 0.7597 1.0030  73226 FRYBRT07 115 0.7603 1.0034
                                                 73229 FRY BR07 115 0.7600 1.0032  73236 FRYBR05  115 0.7594 1.0028
                                                 73270 BROOKLYN 115 0.7551 1.0001  73281 EXETR PF 115 0.7596 1.0029
                                                 73616 SCRRA PF69.0 0.8728 1.0031  73617 TUNNEL  69.0 0.8642 0.9991

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1 ---------------------------- CONTINGENCY 1280-1500STB
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73429 [MYSTIC  34.500] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73430 [MYSTIC  13.800] CKT 1
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
                                                                                          *** NONE ***

                                                 X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
 '115KV       ' BUSES WITH VOLTAGE GREATER THAN 1.0500: 73342 BLACK RK69.0 1.0500 1.0494

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ---------------------------- CONTINGENCY CARD2TSTBKR
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                 73108*CARD     345 73215 CARD     115 1     186.9    546.5    536.0    102.0
                                                 73214 WAWECS J 115 73215*CARD     115 1      66.0    230.8    181.0    127.6
                                                 73215*CARD     115 73218 STKHOUSE 115 1      67.8    258.3    186.0    139.0
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.                            PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E   THU, NOV 20 2003  13:29                  PAGE 1 .
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.                                 2003 FERC 715 LIBRARY,LOADS SCALED FOR 2006,SLHT1C                                .
.                                  SPRING LIGHT 2006, CONNETICUT EXPORT 2200                                        .
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.                       *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B ***        .
.                                             *** ACCC VOLTAGE REPORT ***                                           .
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DISTRIBUTION FACTOR FILE:     K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE:   K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE:       K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-1.con


X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1 ---------------------------- CONTINGENCY 1000-1080DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECS J115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                 73345*LEDYARDJ69.0 73617 TUNNEL  69.0 1       4.8     43.7     41.0    105.2
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APPENDIX D
ACCC Outputs for Tracy Autotransformer

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

DISTRIBUTION FACTOR FILE: C:\1-Junk\Pk22b-3A.dfx
SUBSYSTEM DESCRIPTION FILE: C:\1-Junk\Subsystem.sub
MONITORED ELEMENT FILE: C:\1-Junk\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: C:\1-Junk\Eastern CT-22.con

C O N T I N G E N C Y E V E N T S — MULTI-SECTION LINE GROUPINGS	O V E R L O A D E D L I N E S — FROM	NAME	TO	NAME	CKT	MVA(MW)FLOW PRE-CNT	POST-CNT	RATING	PERCENT
BASE CASE	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5 BASE CASE
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1									CONTINGENCY 100LINE
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1									CONTINGENCY 400LINE
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1									
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73616 [SCRRA PF69.000] CKT 1									CONTINGENCY 500LINE
	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1									CONTINGENCY 800LINE
	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1									CONTINGENCY 900LINE
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1									
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									CONTINGENCY 1000LINE
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN 345	1		428.2	428.2	436.0	95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 1490-1070LNS
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD    115.00] CKT 1 ------------------------------- CONTINGENCY 1080LINE
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1 ------------------------------- CONTINGENCY 1090LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ------------------------------- CONTINGENCY 1210LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2 ------------------------------- CONTINGENCY 1220LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73152 [UNCASVLB115.00] CKT 1 ------------------------------- CONTINGENCY 1235LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73151 [UNCASVLA115.00] CKT 1 ------------------------------- CONTINGENCY 1250LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1 ------------------------------- CONTINGENCY 1280LINE
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73429 [MYSTIC  34.500] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1      ] TO BUS 73430 [MYSTIC  13.800] CKT 1
                                                      71811*KENT CO. 345 72565 KENT CO  115 1     381.5    446.7    449.0     99.5
                                                      72557*DAVIST85 115 72565 KENT CO  115 1     166.5    267.7    286.0     96.8
                                                      72557*DAVIST85 115 72572 W.KINGST 115 1     130.0    231.0    218.0    109.6
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73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1 ---------- CONTINGENCY 1410LINE
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73303 [SHUNOCK 115.00] CKT 1 ---------- CONTINGENCY 1465LINE
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73432 [MYSTC N2   ] CKT 1
OPEN LINE FROM BUS 73432 [MYSTC N2   ] TO BUS 73429 [MYSTIC 34.500] CKT 1
OPEN LINE FROM BUS 73432 [MYSTC N2   ] TO BUS 73430 [MYSTIC 13.800] CKT 1
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1 ---------- CONTINGENCY 1500LINE
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1 ---------- CONTINGENCY 1505LINE
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73238 [FLANDRSB115.00] CKT 1 ---------- CONTINGENCY 1605LINE
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73239 [WILIAMSB115.00] CKT 1
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73212 [TRACY   115.00] TO BUS 73281 [EXETR PF115.00] CKT 1 ---------- CONTINGENCY 1607LINE
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL  115.00] CKT 1 ------------------------------- CONTINGENCY 1675LINE
OPEN LINE FROM BUS 73544 [TUNNEL  23.000] TO BUS 73213 [TUNNEL  115.00] CKT 1
                                                    73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1 ------------------------------- CONTINGENCY 1870SLINE
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73285 [CTRI1870115.00] CKT 1
OPEN LINE FROM BUS 73285 [CTRI1870115.00] TO BUS 72581 [WOOD RIV115.00] CKT 1
                                                    73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 72581 [WOOD RIV115.00] TO BUS 72538 [KENYON  115.00] CKT 1 ------------------------------- CONTINGENCY 1870LINE
                                                    73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 72572 [W.KINGST115.00] TO BUS 72538 [KENYON  115.00] CKT 1 ------------------------------- CONTINGENCY 1870NLINE
                                                    73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1 ------------------------------- CONTINGENCY 330&SPS
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73285 [CTRI1870115.00] CKT 1
OPEN LINE FROM BUS 73285 [CTRI1870115.00] TO BUS 72581 [WOOD RIV115.00] CKT 1
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                    73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1 ------------------------------- CONTINGENCY 347&SPS
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73285 [CTRI1870115.00] CKT 1
OPEN LINE FROM BUS 73285 [CTRI1870115.00] TO BUS 72581 [WOOD RIV115.00] CKT 1
OPEN LINE FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN LINE FROM BUS 73123 [TRACY   345.00] TO BUS 73212 [TRACY   115.00] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                    73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8
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PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 72557 [DAVIST85115.00] TO BUS 72572 [W.KINGST115.00] CKT 1									CONTINGENCY G185S
OPEN LINE FROM BUS 72557 [DAVIST85115.00] TO BUS 72555 [OBAPT 85115.00] CKT 1									
OPEN LINE FROM BUS 72557 [DAVIST85115.00] TO BUS 72565 [KENT CO 115.00] CKT 1									
OPEN LINE FROM BUS 72555 [OBAPT 85115.00] TO BUS 72558 [DAVIS 85115.00] CKT 1									
OPEN LINE FROM BUS 72572 [W.KINGST115.00] TO BUS 72627 [WKNGSTN134.500] CKT 1									
	72572	W.KINGST 115	72623*WKNGSTN234.5		1	30.2	70.4	54.0	130.3
	73107*SCOVL RK 345		73116	MIDDLTWN 345	1	428.2	428.2	436.0	95.6

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									CONTINGENCY 1000-1070DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1									
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1									
	73107*SCOVL RK 345		73116	MIDDLTWN 345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									CONTINGENCY 1000-1080DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1									
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
	73107*SCOVL RK 345		73116	MIDDLTWN 345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									CONTINGENCY 1000-1090DCT
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1									
	73107*SCOVL RK 345		73116	MIDDLTWN 345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1									CONTINGENCY 1080-1280DCT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1									
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1									
	71811*KENT CO. 345		72565	KENT CO 115	1	381.5	446.7	449.0	99.5
	72557*DAVIST85 115		72565	KENT CO 115	1	166.5	267.7	286.0	96.8
	72557*DAVIST85 115		72572	W.KINGST 115	1	130.0	231.0	218.0	109.6

73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1 ---------- CONTINGENCY 1080-1070DCT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1 ---------- CONTINGENCY 1080-1675DCT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1 ---------- CONTINGENCY 1280-1465DCT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73303 [SHUNOCK 115.00] CKT 1
OPEN LINE FROM BUS 73177 [MYSTICCT115.00] TO BUS 73432 [MYSTC N2] CKT 1
OPEN LINE FROM BUS 73432 [MYSTC N2] TO BUS 73429 [MYSTIC 34.500] CKT 1
OPEN LINE FROM BUS 73432 [MYSTC N2] TO BUS 73430 [MYSTIC 13.800] CKT 1
OPEN LINE FROM BUS 73303 [SHUNOCK 115.00] TO BUS 73477 [SHUNOCK 13.800] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1 ---------- CONTINGENCY 1505-1607DCT
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00] CKT 1
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1
73107*SCOVL RK 345 73116 MIDDLTWN 345 1 428.2 428.2 436.0 95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1	---------- CONTINGENCY 100-1410DCT				
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1	---------- CONTINGENCY 800-900DCT				
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1					
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73343 [GALESF A69.000] CKT 1	---------- CONTINGENCY 100-400STB				
OPEN LINE FROM BUS 73344 [MONTVLLE69.000] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1					
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1					
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1	---------- CONTINGENCY 400-500STB				
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1					
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1					
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73616 [SCRRA PF69.000] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73343 [GALESF A69.000] TO BUS 73345 [LEDYARDJ69.000] CKT 1	---------- CONTINGENCY 400TUNAUSTB				
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73615 [BUDDGTN 69.000] CKT 1					
OPEN LINE FROM BUS 73345 [LEDYARDJ69.000] TO BUS 73617 [TUNNEL 69.000] CKT 1					
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME / TO NAME / CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1	---------- CONTINGENCY 800-LOADSTB				
OPEN LINE FROM BUS 73435 [MANSFLD 27.600] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 1					
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 2					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1	---------- CONTINGENCY 900-LOADSTB						
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1							
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1							
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 1							
OPEN LINE FROM BUS 73436 [MANSFLD 13.800] TO BUS 73349 [MANSFLD 69.000] CKT 2							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	---------- CONTINGENCY 1000-1675STB						
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1607STB						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73281 [EXETR PF115.00] CKT 1							
OPEN LINE FROM BUS 73281 [EXETR PF115.00] TO BUS 73226 [FRYBRT07115.00] CKT 1							
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73229 [FRY BR07115.00] CKT 1							
OPEN LINE FROM BUS 73226 [FRYBRT07115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1210-DS						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73438 [WLMNTCN1] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73439 [WLMNTCN2] TO BUS 73209 [WILLMNTC115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	---------- CONTINGENCY 1080-1220-DS						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2							
OPEN LINE FROM BUS 73438 [WLMNTCN1] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73439 [WLMNTCN2] TO BUS 73209 [WILLMNTC115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1							CONTINGENCY 1210-DTRFSTB
OPEN LINE FROM BUS 73438 [WLMNTCN1] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73439 [WLMNTCN2] TO BUS 73209 [WILLMNTC115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2							CONTINGENCY 1220-DTRFSTB
OPEN LINE FROM BUS 73438 [WLMNTCN1] TO BUS 73209 [WILLMNTC115.00] CKT 1							
OPEN LINE FROM BUS 73439 [WLMNTCN2] TO BUS 73209 [WILLMNTC115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73212 [TRACY 115.00] TO BUS 73270 [BROOKLYN115.00] CKT 1							CONTINGENCY 1505-1675STB
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73444 [BROOKLYN23.000] CKT 1							
OPEN LINE FROM BUS 73270 [BROOKLYN115.00] TO BUS 73223 [FRYBRT05115.00] CKT 1							
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73223 [FRYBRT05115.00] TO BUS 73236 [FRYBR05 115.00] CKT 1							
OPEN LINE FROM BUS 73236 [FRYBR05 115.00] TO BUS 73443 [FRY BRK 23.000] CKT 1							
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73152 [UNCASVLB115.00] CKT 1							CONTINGENCY 1235-1090STB
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							CONTINGENCY 1000-1250STB
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1							
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73151 [UNCASVLA115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

C O N T I N G E N C Y E V E N T S	O V E R L O A D E D L I N E S					
MULTI-SECTION LINE GROUPINGS	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1							CONTINGENCY 1080-1605STB
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1							
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1							
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73238 [FLANDRSB115.00] CKT 1							
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73239 [WILIAMSB115.00] CKT 1							
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1							
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1	CONTINGENCY 1280-1500STB				
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1					
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1					
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1					
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1					
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1					
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1					
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	71811*KENT CO. 345 72565 KENT CO 115 1	381.5	447.3	449.0	99.6
	72557*DAVIST85 115 72565 KENT CO 115 1	166.5	267.6	286.0	96.8
	72557*DAVIST85 115 72572 W.KINGST 115 1	130.0	230.9	218.0	109.5
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1	CONTINGENCY 1410-MNT6STB				
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1	CONTINGENCY 1000-345				
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73611 [DUDLEY T115.00] CKT 1					
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73291 [FORTHF 115.00] CKT 1	CONTINGENCY 1090-345				
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1	CONTINGENCY 1080-345				
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1					
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1					
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1					
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1					
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73217 [BUDDGTN 115.00] CKT 1									CONTINGENCY 1280-345
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73177 [MYSTICCT115.00] CKT 1									
OPEN LINE FROM BUS 73216 [WHIP JCT115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73177 [MYSTICCT115.00] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73429 [MYSTIC 34.500] CKT 1									
OPEN LINE FROM BUS 73431 [MYSTC N1] TO BUS 73430 [MYSTIC 13.800] CKT 1									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1									
	71811*KENT CO. 345	72565	KENT CO	115	1	381.5	446.6	449.0	99.5
	72557*DAVIST85 115	72565	KENT CO	115	1	166.5	267.7	286.0	96.8
	72557*DAVIST85 115	72572	W.KINGST	115	1	130.0	231.0	218.0	109.6
	73107*SCOVL RK 345	73116	MIDDLTWN	345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73613 [BUDDGTN2115.00] CKT 1									CONTINGENCY 1410-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN	345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73152 [UNCASVLB115.00] CKT 1									CONTINGENCY 1235-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN	345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73151 [UNCASVLA115.00] CKT 1									CONTINGENCY 1250-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN	345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73238 [FLANDRSB115.00] CKT 1									CONTINGENCY 1605-345
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73239 [WILIAMSB115.00] CKT 1									
OPEN LINE FROM BUS 73157 [COHNZ JB115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN	345	1	428.2	428.2	436.0	95.5

CONTINGENCY EVENTS	OVERLOADED LINES					MVA(MW)FLOW			
MULTI-SECTION LINE GROUPINGS	FROM	NAME	TO	NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73150 [FLNDRSA 115.00] CKT 1									CONTINGENCY 1500-345
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73149 [WILIAMSA115.00] CKT 1									
OPEN LINE FROM BUS 73156 [COHNZ JA115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1									
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1									
	73107*SCOVL RK 345	73116	MIDDLTWN	345	1	428.2	428.2	436.0	95.5

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73559 [MONTV#6 22.000] TO BUS 73210 [MONTVLLE115.00] CKT 1						CONTINGENCY MON6-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5	
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1						CONTINGENCY MON5-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5	
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73538 [AESTH PF20.000] TO BUS 73210 [MONTVLLE115.00] CKT 1						CONTINGENCY AES-345
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.6	
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1						CONTINGENCY MON5-AUTO
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5	
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73215 [CARD 115.00] CKT 1						CONTINGENCY 1080-AUTO
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73210 [MONTVLLE115.00] CKT 1						
OPEN LINE FROM BUS 73214 [WAWECSJ 115.00] TO BUS 73276 [LISBN PF115.00] CKT 1						
OPEN LINE FROM BUS 73276 [LISBN PF115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1						
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5	
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73612 [BEAN HLL115.00] TO BUS 73213 [TUNNEL 115.00] CKT 1						CONTINGENCY 1675-AUTO
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1						
OPEN LINE FROM BUS 73544 [TUNNEL 23.000] TO BUS 73213 [TUNNEL 115.00] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5	
CONTINGENCY EVENTS	OVERLOADED LINES	MVA(MW)FLOW				
MULTI-SECTION LINE GROUPINGS	FROM NAME TO NAME CKT	PRE-CNT	POST-CNT	RATING	PERCENT	
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1						CONTINGENCY 800-AUTO
OPEN LINE FROM BUS 73347 [CARD 69.000] TO BUS 73215 [CARD 115.00] CKT 1						
	73107*SCOVL RK 345 73116 MIDDLTWN 345 1	428.2	428.2	436.0	95.5	

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73348 [MANSFLDJ69.000] CKT 1 ------------------------------- CONTINGENCY 900-AUTO
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73349 [MANSFLD 69.000] CKT 1
OPEN LINE FROM BUS 73348 [MANSFLDJ69.000] TO BUS 73350 [SKUNGAMG69.000] CKT 1
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ------------------------------- CONTINGENCY 1210-1490
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 1 ------------------------------- CONTINGENCY 1210-AUTO
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73209 [WILLMNTC115.00] CKT 2 ------------------------------- CONTINGENCY 1220-AUTO
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 14901070T345
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

                                                       X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73209 WILLMNTC 115 0.9261 1.0021  73215 CARD     115 0.9266 1.0026

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1 ---------------------------- CONTINGENCY CARDTRANSFOR
OPEN LINE FROM BUS 73347 [CARD    69.000] TO BUS 73215 [CARD    115.00] CKT 1
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ------------------------------- CONTINGENCY 310LINE
                                                      73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.7
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PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1 ---------------------------------- CONTINGENCY 347LINE
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN LINE FROM BUS 73123 [TRACY   345.00] TO BUS 73212 [TRACY   115.00] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1 ---------------------------------- CONTINGENCY 347ELINE
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1 ------------------------------ CONTINGENCY 347-LKRD
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN LINE FROM BUS 73123 [TRACY   345.00] TO BUS 73212 [TRACY   115.00] CKT 1
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                 71811*KENT CO. 345 72565 KENT CO  115 1     381.5    440.5    449.0     98.1
                                                 72557*DAVIST85 115 72572 W.KINGST 115 1     130.0    215.8    218.0    101.1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------------- CONTINGENCY 348WAUTO
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73230 [HADDAM  115.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    427.5    436.0     97.3
                                                 73648*BPTHBR#322.0 73700 PEQUONIC 115 1     406.5    418.6    440.0     95.1

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1 ---------------------------------- CONTINGENCY 330LINE
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73215 [CARD    115.00] CKT 1
                                                 71811*KENT CO. 345 72565 KENT CO  115 1     381.5    432.9    449.0     96.4
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1 ------------------------------ CONTINGENCY 330-LKRD
OPEN BRANCH FROM BUS 73108 [CARD    345.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6
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PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73113 [HADDM NK345.00] TO BUS 73109 [MONTVILE345.00] CKT 1 ------------------------------ CONTINGENCY 364LN&AUTO
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.0    436.0     96.1

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ------------------------------- CONTINGENCY 368LINE
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73109 [MONTVILE345.00] CKT 1 ------------------------------ CONTINGENCY 371LN&AUTO
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73108 [CARD    345.00] CKT 1 ------------------------------- CONTINGENCY 383LINE
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 71339 [N.SMITH 345.00] CKT 1 ---------------------------- CONTINGENCY 328LINE(NEP)
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1 --------------------------- CONTINGENCY 336LINE(NEP)
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ------------------------------ CONTINGENCY 310-348DCT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73230 [HADDAM  115.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    427.1    436.0     98.2
                                                 73648*BPTHBR#322.0 73700 PEQUONIC 115 1     406.5    425.8    440.0     96.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ------------------------------ CONTINGENCY 310-368DCT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1
                                                 73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.0    436.0     96.1
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PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

CONTINGENCY EVENTS	OVERLOADED LINES	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73108 [CARD 345.00] CKT 1	CONTINGENCY 383-371DCT							
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73109 [MONTVILE345.00] CKT 1								
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1								
	73107*SCOVL RK 345	73116 MIDDLTWN 345		1	428.2	428.1	436.0	95.9
OPEN LINE FROM BUS 73112 [MANCHSTR345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1	CONTINGENCY MANCHSTBKR							
OPEN LINE FROM BUS 73112 [MANCHSTR345.00] TO BUS 73103 [MEEKVL J345.00] CKT 1								
OPEN LINE FROM BUS 73103 [MEEKVL J345.00] TO BUS 72925 [LUDLOW 345.00] CKT 1								
OPEN LINE FROM BUS 73103 [MEEKVL J345.00] TO BUS 73111 [NOBLMFLD345.00] CKT 1								
OPEN LINE FROM BUS 73244 [N.BLMFLD115.00] TO BUS 73111 [NOBLMFLD345.00] CKT 1								
	73107*SCOVL RK 345	73116 MIDDLTWN 345		1	428.2	428.2	436.0	95.7
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	CONTINGENCY CARD2TSTBKR							
OPEN LINE FROM BUS 73108 [CARD 345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1								
	73107*SCOVL RK 345	73116 MIDDLTWN 345		1	428.2	428.2	436.0	95.7
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1	CONTINGENCY MILS8TSTBKR							
OPEN LINE FROM BUS 73562 [MILL#2 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1								
	73107*SCOVL RK 345	73116 MIDDLTWN 345		1	428.2	428.1	436.0	95.8
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1	CONTINGENCY MILS14TSTBKR							
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1								
OPEN LINE FROM BUS 73563 [MILL#3 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1								
	73107*SCOVL RK 345	73116 MIDDLTWN 345		1	428.2	427.1	436.0	98.2
	73119 LAKEROAD 345	73565*LAKERD#121.0		1	291.2	326.4	330.0	98.9
	73119 LAKEROAD 345	73566*LAKERD#221.0		1	291.2	326.4	330.0	98.9
	73119 LAKEROAD 345	73567*LAKERD#321.0		1	291.2	326.4	330.0	98.9
	73648*BPTHBR#322.0	73700 PEQUONIC 115		1	406.5	423.6	440.0	96.3

	X------ BUS -----X	V-CONT	V-INIT	X------ BUS -----X	V-CONT	V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500:	73121 HADAUTO 345	0.9105	1.0089			

PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1 ---------------------------- CONTINGENCY CARD3TSTBKR
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                          73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73119 [LAKEROAD345.00] CKT 1 ---------------------------- CONTINGENCY CARD1TSTBKR
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73215 [CARD    115.00] CKT 1
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
                                          73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1 ---------------------------- CONTINGENCY MONTV1TSTBKR
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73113 [HADDM NK345.00] CKT 1
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 1
OPEN LINE FROM BUS 73109 [MONTVILE345.00] TO BUS 73210 [MONTVLLE115.00] CKT 2
                                          73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.0    436.0     96.1

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY SOUTHI348STB
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1
                                          73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    427.5    436.0     97.3
                                          73648*BPTHBR#322.0 73700 PEQUONIC 115 1     406.5    422.8    440.0     96.1

                                           X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9054 1.0089

  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73121 HADAUTO  345 0.9054 1.0089

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ---------------------------- CONTINGENCY MANCHE310STB
OPEN LINE FROM BUS 73242 [MANCHSTR115.00] TO BUS 73112 [MANCHSTR345.00] CKT 1
                                          73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8
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PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ---------------------------- CONTINGENCY MANCHE368STB
OPEN LINE FROM BUS 73242 [MANCHSTR115.00] TO BUS 73112 [MANCHSTR345.00] CKT 1
                                                     73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1 -------------------------- CONTINGENCY SHERMANRDSTB
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1
                                                     71811*KENT CO. 345 72565 KENT CO  115 1     381.5    435.9    449.0     97.1
                                                     72557*DAVIST85 115 72572 W.KINGST 115 1     130.0    214.0    218.0    100.2
                                                     73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.1    436.0     95.8

                                                      X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73123 TRACY    345 0.8607 1.0346

  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73123 TRACY    345 0.8607 1.0346

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73563 [MILL#3  24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1 ------------------------------- CONTINGENCY LOSSMP3
                                                     73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.0    436.0     96.0
                                                     73119 LAKEROAD 345 73565*LAKERD#121.0 1     291.2    315.8    330.0     95.7
                                                     73119 LAKEROAD 345 73566*LAKERD#221.0 1     291.2    315.8    330.0     95.7
                                                     73119 LAKEROAD 345 73567*LAKERD#321.0 1     291.2    315.8    330.0     95.7

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73562 [MILL#2  24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1 ------------------------------- CONTINGENCY LOSSMP2
                                                     73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1 ------------------------------- CONTINGENCY LOLAKERD
                                                     73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
          X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73558 [MONTV#5 13.800] TO BUS 73210 [MONTVLLE115.00] CKT 1 ------------------------------ CONTINGENCY LOSSMON5
                                                     73107*SCOVL RK 345 73116 MIDDLTWN 345 1     428.2    428.2    436.0     95.5
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PK22B-3A.SAV, EXETER,SCRRA,TUNNEL,LISON MONTVILLE OFF
NE-NY 0, CT IMP 2200, AESTH ON, LR ON, TRACY AUTO

*** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 95.0 % OF RATING SET B ***
*** ACCC VOLTAGE REPORT ***

X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73559 [MONTV#6 22.000] TO BUS 73210 [MONTVLLE115.00] CKT 1							CONTINGENCY LOSSMON6
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5
X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73538 [AESTH PF20.000] TO BUS 73210 [MONTVLLE115.00] CKT 1							CONTINGENCY LOSSAES
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.6
X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73344 [MONTVLLE69.000] CKT 1							CONTINGENCY MONTVILLAUTO
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5
X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73617 [TUNNEL 69.000] TO BUS 73213 [TUNNEL 115.00] CKT 1							CONTINGENCY TUNNELAUTO
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5
X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73210 [MONTVLLE115.00] TO BUS 73109 [MONTVILE345.00] CKT 1							CONTINGENCY MONTL345
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5
X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73215 [CARD 115.00] TO BUS 73347 [CARD 69.000] CKT 1							CONTINGENCY CARDAUTO
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.5
X-------- C O N T I N G E N C Y E V E N T S --------X	X-- O V E R L O A D E D L I N E S --X			X--MVA(MW)FLOW--X		
X---- MULTI-SECTION LINE GROUPINGS ----X	FROM NAME	TO NAME	CKT	PRE-CNT	POST-CNT	RATING	PERCENT
OPEN LINE FROM BUS 73123 [TRACY 345.00] TO BUS 73212 [TRACY 115.00] CKT 1							CONTINGENCY TRACYAUTO
	73107*SCOVL RK 345	73116 MIDDLTWN 345	1	428.2	428.2	436.0	95.7

PK22C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LI
NE-NY 0, CT IMP 2200, TRACY AUTO, 556ACSR TUN-LED AT 69KV

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

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-22.con

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X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73218 [STKHOUSE115.00] CKT 1 ---------------------------- CONTINGENCY 14901070T345
OPEN LINE FROM BUS 73218 [STKHOUSE115.00] TO BUS 73291 [FORTHF  115.00] CKT 1
OPEN LINE FROM BUS 73215 [CARD    115.00] TO BUS 73108 [CARD    345.00] CKT 1
                                                                                    *** NONE ***

                                                 X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '115KV       ' BUSES WITH VOLTAGE LESS THAN 0.9300: 73209 WILLMNTC 115 0.9277 1.0019  73215 CARD     115 0.9282 1.0023

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY MILS14TSTBKR
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73563 [MILL#3  24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                                                    *** NONE ***

                                                 X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9132 1.0102

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY SOUTHI348STB
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1
                                                                                    *** NONE ***

                                                 X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9080 1.0102

  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73121 HADAUTO  345 0.9080 1.0102

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1 ------------------------- CONTINGENCY SHERMANRDSTB
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1
                                                                                    *** NONE ***

                                                 X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73123 TRACY    345 0.8877 1.0346
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PK22C.SAV, AES THAMES, MONTVILLE OFF, EXETER,SCRRA,TUNNEL LI
NE-NY 0, CT IMP 2200, TRACY AUTO, 556ACSR TUN-LED AT 69KV

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

'345KV   ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73123 TRACY   345 0.8877 1.0346

PK22D.SAV, MILLSTONE UNITS OFF
NE-NY 0, CT IMP 2200, TRACY AUTO, 556ACSR TUN-LED AT 69KV

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

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-22.con

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------- CONTINGENCY MILS14TSTBKR
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73563 [MILL#3 24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1
*** NONE ***

X------ BUS -----X V-CONT V-INIT X------ BUS -----X V-CONT V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO 345 0.9248 1.0253

'345KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73121 HADAUTO 345 0.9248 1.0253

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------- CONTINGENCY SOUTHI348STB
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1
*** NONE ***

X------ BUS -----X V-CONT V-INIT X------ BUS -----X V-CONT V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO 345 0.9235 1.0253

'345KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73121 HADAUTO 345 0.9235 1.0253

X-------- C O N T I N G E N C Y E V E N T S --------X X-- O V E R L O A D E D L I N E S --X X--MVA(MW)FLOW--X
X---- MULTI-SECTION LINE GROUPINGS ----X FROM NAME TO NAME CKT PRE-CNT POST-CNT RATING PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY 345.00] CKT 1 ---------- CONTINGENCY SHERMANRDSTB
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY 345.00] CKT 1
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1
*** NONE ***

X------ BUS -----X V-CONT V-INIT X------ BUS -----X V-CONT V-INIT
'345KV ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73123 TRACY 345 0.8916 1.0346

'345KV ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73123 TRACY 345 0.8916 1.0346

2003 FERC 715 LIBRARY,LOAD SCALED FOR 2006, **SHLT22B**
SPRING LIGHT 2006, CT IMPORT 2200,TRACY AUTO, TUN-LED 556ACS

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

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-22.con

```
X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73112 [MANCHSTR345.00] CKT 1 ---------------------------- CONTINGENCY CARD2TSTBKR
OPEN LINE FROM BUS 73108 [CARD    345.00] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                      73215*CARD     115 73218 STKHOUSE 115 1      57.0    220.8    186.0    118.6

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY MILS14TSTBKR
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73563 [MILL#3  24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                                                    *** NONE ***

                                                      X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9317 1.0334

  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73121 HADAUTO  345 0.9317 1.0334

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY SOUTHI348STB
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1
                                                                                    *** NONE ***

                                                      X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9305 1.0334

  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73121 HADAUTO  345 0.9305 1.0334

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1 ------------------------- CONTINGENCY SHERMANRDSTB
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1
                                                                                    *** NONE ***

                                                      X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73123 TRACY    345 0.9035 1.0346
  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73123 TRACY    345 0.9035 1.0346
```

.
. 2003 FERC 715 LIBRARY,LOADS SCALED FOR 2006,**SLHT22C** .
. SPRING LIGHT 2006, CONNETICUT EXPORT 2200,TRACY AUTO, TUN-L .
.
. *** ACCC OVERLOAD REPORT: MONITORED ELEMENTS LOADED ABOVE 100.0 % OF RATING SET B *** .
. *** ACCC VOLTAGE REPORT *** .

DISTRIBUTION FACTOR FILE: K:\PRIVSHRD\tim-eastct\test.dfx
SUBSYSTEM DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Subsystem.sub
MONITORED ELEMENT FILE: K:\PRIVSHRD\tim-eastct\Monitor-0.93.mon
CONTINGENCY DESCRIPTION FILE: K:\PRIVSHRD\tim-eastct\Eastern CT-22.con

```
X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY MILS14TSTBKR
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73563 [MILL#3  24.000] TO BUS 73110 [MILLSTNE345.00] CKT 1
                                                                                    *** NONE ***

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9324 1.0305

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN LINE FROM BUS 73110 [MILLSTNE345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1 ---------------------------- CONTINGENCY SOUTHI348STB
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73121 [HADAUTO 345.00] CKT 1
OPEN LINE FROM BUS 73106 [SOUTHGTN345.00] TO BUS 73198 [SOUTHGTN115.00] CKT 1
                                                                                    *** NONE ***

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73121 HADAUTO  345 0.9309 1.0305

X-------- C O N T I N G E N C Y   E V E N T S --------X X-- O V E R L O A D E D   L I N E S --X  X--MVA(MW)FLOW--X
            X---- MULTI-SECTION LINE GROUPINGS ----X   FROM     NAME        TO     NAME    CKT  PRE-CNT  POST-CNT  RATING  PERCENT
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73123 [TRACY   345.00] CKT 1 -------------------------- CONTINGENCY SHERMANRDSTB
OPEN LINE FROM BUS 73118 [CTRI347 345.00] TO BUS 73123 [TRACY   345.00] CKT 1
OPEN BRANCH FROM BUS 71336 [SHERMAN 345.00] TO BUS 73118 [CTRI347 345.00] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73565 [LAKERD#121.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73566 [LAKERD#221.000] CKT 1
OPEN BRANCH FROM BUS 73119 [LAKEROAD345.00] TO BUS 73567 [LAKERD#321.000] CKT 1
OPEN LINE FROM BUS 71336 [SHERMAN 345.00] TO BUS 70785 [ANP 336 345.00] CKT 1
                                                                                    *** NONE ***

                                                  X------ BUS -----X V-CONT V-INIT  X------ BUS -----X V-CONT V-INIT
    '345KV       ' BUSES WITH VOLTAGE LESS THAN 0.9500: 73123 TRACY    345 0.9059 1.0344

  '345KV       ' BUSES WITH VOLTAGE DROP BEYOND 0.1000: 73123 TRACY    345 0.9059 1.0344
```

Appendix E
Line #347 Contingency Plots Case Pk1b

Figure E.1 – Pk1B Contingency 347-line + Lake Road (MW, Mvar)

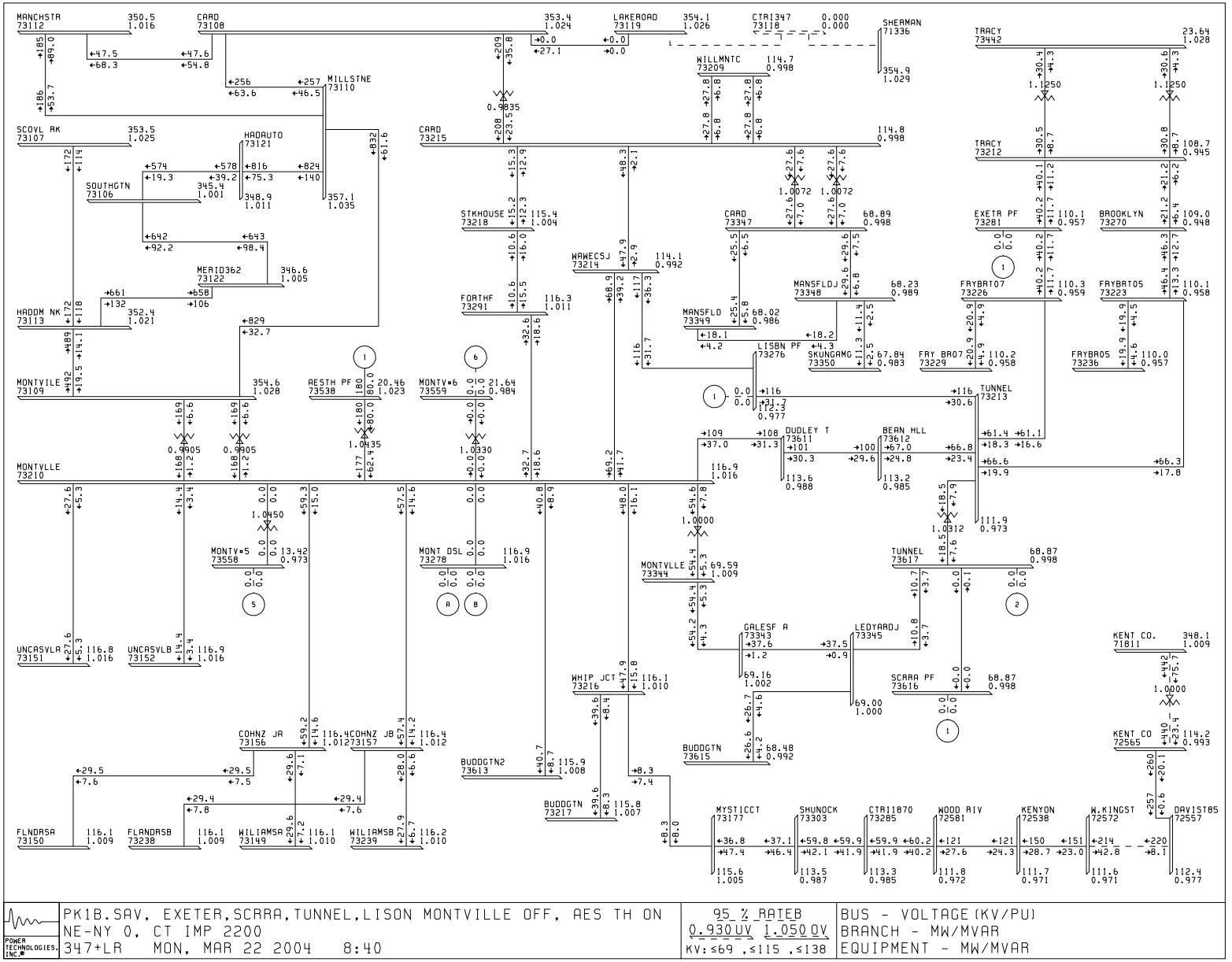


Figure E.2 – Pk1B Contingency 347-line + Lake Road + 1870 SPS (MW, Mvar)

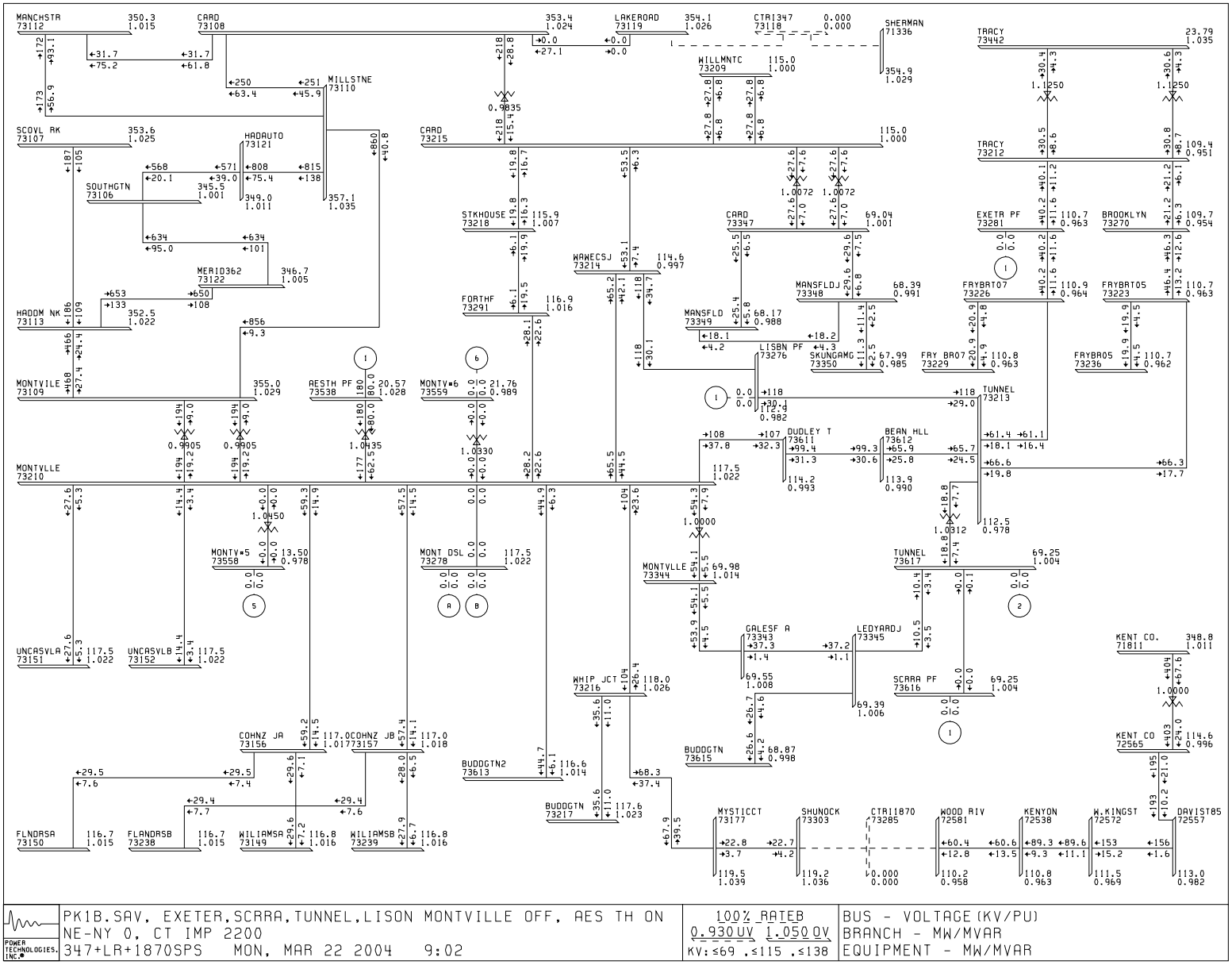


Figure E.3 – Pk1B Contingency 347-line + Lake Road (MVA, % Rate B)

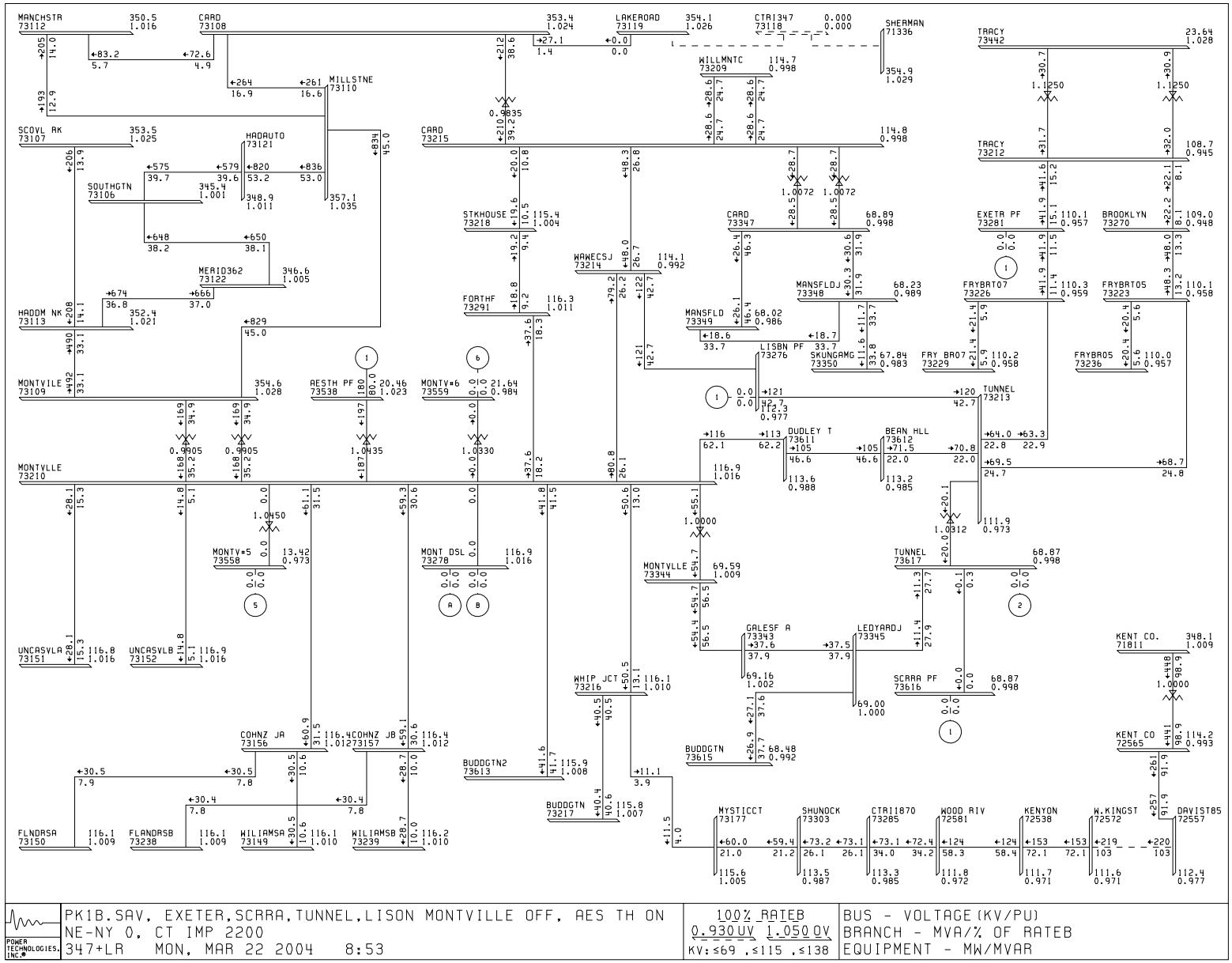
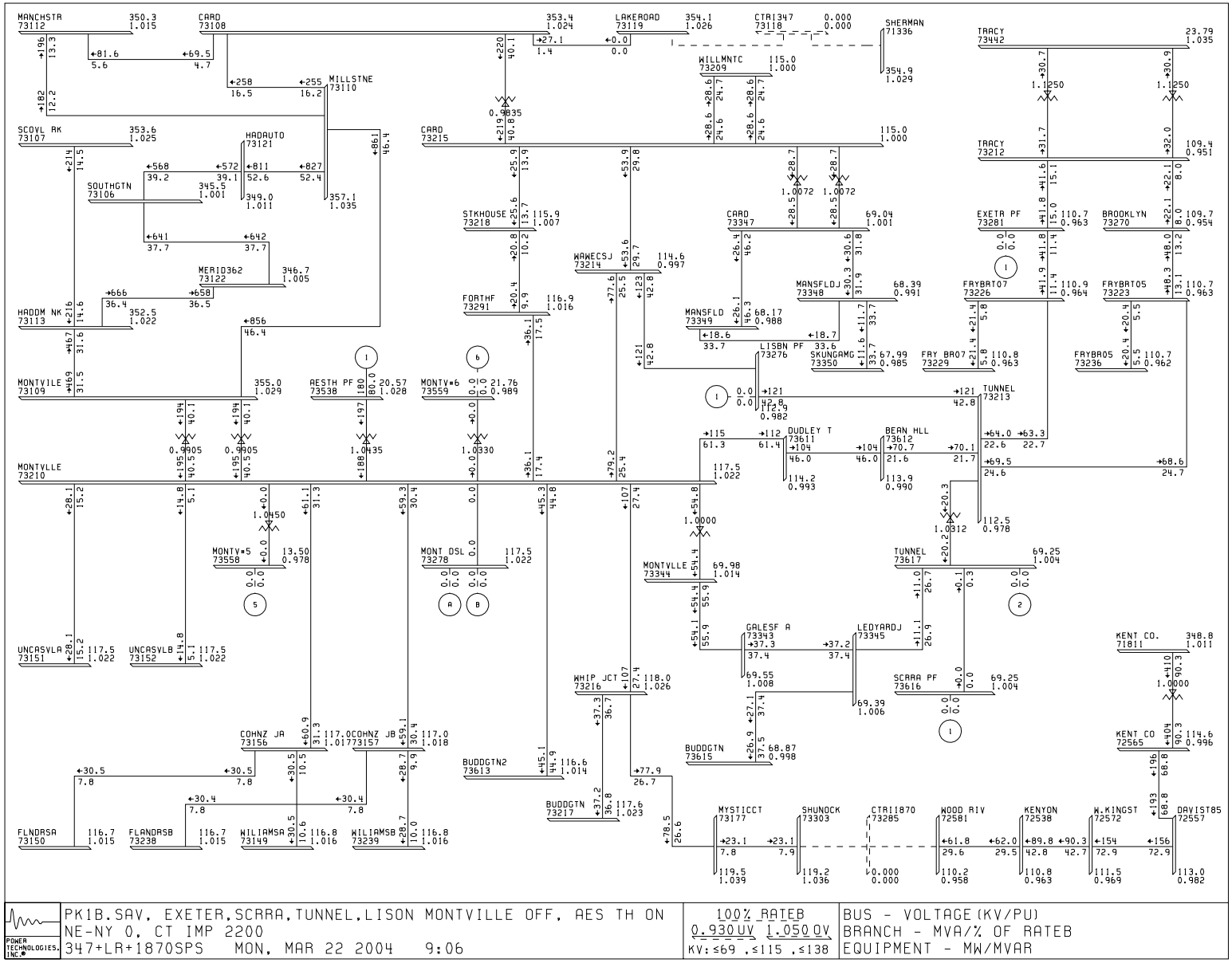


Figure E.4 – Pk1B Contingency 347-line + Lake Road + 1870 SPS (MVA, % Rate B)



Appendix F
Interface Definitions for SEMA/RI, East-West, CT Export

Table F.1 – Interface Definitions

SEMA/RI and East-West Pre- and Post-Tracy Autotransformer Interface Definitions

```
'<SEMA/RI EXPORT        1900'  16
  70772 71797    1   16  F /* W.Medway 345  Milbury 345
  70772 71797    2   16  F /* W.Medway 345  Milbury 345
  70772 70793    1   16  F /* W.Medway 345 MDFRM230 230
  70772 70794    1   16  F /* W.Medway 345 MDWLT230 230
  71336 73118    1   16  F /* Sherman 345 To CTRI 347-Line 345
  70866 70868    1   16  F /* Medway 115 Sherborn 115
  70895 70894    1   16  F /* W Walpole 115 Dover 115
  72256 72285    1   16  F /* DEPT29TP 115 Rockyhill 115
  72257 70876    1   16  F /* DEPT30TO 115 Hoptn130 115
  72269 72096    1   16  F /* Whithing Pnd 115 Milbury 115
  72582 72096    1   16  F /* Woonsocket 115 Milbury 115
  72581 73285    1   16  F /* Wood River 115 CTRI1870 115

'<EAST-WEST       2000(2200)'       18
  71817 70496    1   18  F   /* COMERFORD   TO     GRANITE          230 kV
  72749 72737    1   18  F   /* WEBSTER     TO     NORTH ROAD       115 kV
  72771 72725    1   18  F   /* GREGGS RX   TO     JACKMAN          115 kV
  72693 72696    1   18  F   /* SCOBIE      TO     AMHERST          345 kV
  72074 72385    1   18  F   /* PRATTS J    TO     BEAR SWAMP       230 kV
  72102 72092    1   18  F   /* PRATTS J    TO     FLAGG PD         115 kV
  72102 72112    1   18  F   /* PRATTS J    TO     LITCHFLD TP      115 kV
  72096 72111    1   18  F   /* MILLBURY    TO     WEBSTER ST       115 kV
  72096 72392    1   18  F   /* MILLBURY    TO     BARRE            115 kV
  72096 72097    1   18  F   /* MILLBURY    TO     NO. OXFORD       115 kV
  71797 71796    1   18  F   /* MILLBURY    TO     CARPENTER HILL   345 kV
  71336 73118    1   18  F   /* SHERMAN     TO     CT/RI 347        345 kV
  72581 73285    1   18  F   /* WOOD RIVER  TO     CT/RI BORDER     115 kV
```

Pre-Tracy Autotransformer CT Export Interface Definition

```
'<CONN EXPORT           2100'      9
 73103 72925     1    9  F /* Meekville-Ludlow 395-Line
 73108 73119     1    9  F /* Card-LakeRoad 330-Line
 73105 73117     1    9  F /* LongMtn-CT Border 398-Line
 73166 75053     1    9  F /* Long Island Cable 1385-Ckt
 73244 72955     1    9  F /* NorthBloomfield-Southwick 1768-Line
 73244 72991     1    9  F /* NorthBloomfield-SouthAgawam
 73244 72992     1    9  F /* NorthBloomfield-SouthAgawam
 73303 73285     1    9  F /* Shunock-CT-RI 1870-Line
```

Post-Tracy Autotransformer CT Export Interface Definition

```
'<CONN EXPORT           2100'      9
 73103 72925     1    9  F    /* Meekville-Ludlow 395-Line
 73108 73119     1    9  F    /* Card-LakeRoad 330-Line
 73212 73123     1    9  F    /*** Tracy Auto High to Low ***
 73105 73117     1    9  F    /* LongMtn-CT Border 398-Line
 73166 75053     1    9  F    /* Long Island Cable 1385-Ckt
 73244 72955     1    9  F    /* NorthBloomfield-Southwick 1768-Line
 73244 72991     1    9  F    /* NorthBloomfield-SouthAgawam
 73244 72992     1    9  F    /* NorthBloomfield-SouthAgawam
 73303 73285     1    9  F    /* Shunock-CT-RI 1870-Line
```

Appendix G

Subsystem Definitions

Table G.1 – Subsystem Definitions

```
SUBSYSTEM CT_GENS
BUS 73551 / NORWALK HARBOR #1
BUS 73647 / BRDGPRTHBR #2
BUS 73648 / BRDGPRTHBR #3
BUS 73651 / NEWHAVEN HARB
BUS 73562 / MP #2
BUS 73559 / MONTVIL #6
BUS 73557 / MIDDLETWN #4
Scale all for import include
offline
END

SUBSYSTEM SEMARI_G
bus 71093 /* Edgar
bus 72371 /* BPT4
bus 72377 /* Bell
bus 72378
Scale all for export include
offline
END

Subsystem EAST_NE_G
bus 71067  /* Mystic 8
bus 71252  /* Canal 2
bus 70386  /* Westbrook
bus 70387
bus 70388
Scale all for export include
offline
END

SUBSYSTEM MAINE_G
bus 70386 /* Westbrook
bus 70387
bus 70388
bus 70377 /* AEC
bus 70378
bus 70379
bus 70366 /* Wyman
bus 70367
bus 70365
bus 70368
bus 70060 /* MIS
bus 70061
bus 70062
bus 70381 /* RPA
bus 70382
Scale all for export include
offline
END

SUBSYSTEM MP_GENS
BUS 73562
BUS 73563
Scale all for export include
offline
END
```

```
SUBSYSTEM BP3
Bus 72370
Scale all for export include
offline
END

SUBSYSTEM MP_BUS
Bus 73110
End


SUBSYSTEM 115kV
JOIN
 ZONES 171 186
 KVRANGE 69 115
END
END

SUBSYSTEM 345kV
JOIN
 ZONES 171 186
 KVRANGE 138 345
END
END

SUBSYSTEM 154
JOIN
 ZONE 154
 KVRANGE 69 345
END
END
```