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Southwest Connecticut Transmission Expansion: East Shore to Norwalk All Underground, 387 Line Reconductored with Genessee and Looped into Beseck: Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY ±700 MW and 0 MW

Prepared for:

The United Illuminating Company

and

Northeast Utilities

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PowerGEM Report 10021.001-9
July 20, 2004

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Executive Summary

This report summarizes power flow analysis conducted for The United Illuminating Company (UI) and Northeast Utilities (NU) for one option considered for expanding the New England 345 kV transmission system into southwest Connecticut (SWCT). The transmission option examined, called East Shore to Norwalk with a Reconductored 387 Line Looped into Beseck in this report, is for a 345 kV transmission path from Beseck to East Shore to Norwalk Substation, with interconnecting substations between these stations.[1] The East Shore to Norwalk with a reconductored 387 line looped into Beseck transmission option, consisting primarily of underground cables with one section of overhead line, is described as follows:

From	To	Distance	Transmission
Beseck	East Shore	20 miles	345 kV overhead, bundled Genessee conductor (reconductored 387 line)
East Shore	East Devon	15 miles	345 kV underground, 2500 kcmil HPFF, three parallel cables
East Devon	Singer	8 miles	345 kV underground, 2500 kcmil HPFF, two parallel cables
Singer	Norwalk	15 miles	345 kV underground, 2500 kcmil HPFF, two parallel cables

This option includes a new 345 kV switching station located at Beseck Junction. The existing 387 line (Scovill Rock to East Shore) is reconductored with bundled Genessee conductor and looped into Beseck. Reconfiguration of the 345 kV system also results in transmission connections from Beseck to the Haddam Neck, Haddam Auto, and Meriden 345 kV buses.

The focus of this report is to examine the effect of ±700 MW and 0 MW transfers between New England (NE) and New York (NY), as well as the status of generation at the 447 MW New Haven Harbor Station (NHHS) for a 27.7 GW New England load level. When NHHS is off-line, the generation deficiency is made up by the proposed Kleen Energy generation project, which is expected to be connected to the Scovill Rock to Manchester 345 kV line very near the Scovill Rock Substation.

Companion reports examining alternative transmission configurations are referenced in Section 6 of this report.

[1] A planned 345 kV transmission expansion from the Plumtree to Norwalk substations, which is called Bethel to Norwalk, is assumed to be in-service in this analysis.

For each of the variations in NE-NY transfer and the status of NHHS generation, power flow analysis was conducted with four southwest Connecticut generation dispatches. Loading and voltage performance of the Connecticut system was monitored for the 115 kV and 345 kV transmission systems. In total, this results in twenty-four dispatch conditions studied.

Despite reconductoring with Genessee conductor the Beseck to East Shore section of the 387 line remains above its normal rating in the base case for four dispatches. In addition power flow on the 345 kV Southington-Frost Bridge 329 line continues to exceed its long-time emergency rating. Several 115 kV lines were above normal rating in at least one base case dispatch.

The table below summarizes the number of overloaded lines in the study area for the various conditions analyzed:

	Number of Overloaded Branches					
	NE-NY 0 MW		**NE-NY 700 MW**		**NY-NE 700 MW**	
	NHHS On	**NHHS Off**	**NHHS On**	**NHHS Off**	**NHHS On**	**NHHS Off**
SWCT Dispatch ID	**2G-5G**	**6G-9G**	**10G-13G**	**14G-17G**	**18G-21G**	**22G-25G**
345 kV Line	1	2	3	5	0	0
115 kV Line	23	25	24	27	22	22
345/115 AutoTrans	1	1	1	1	0	0
138 kV CT-LI Tie (1)	0	0	0	1	1	2

(1) Overload of cable (line 1385) auto-transformer.

A review of the table indicates that NHHS off and NE-NY 700 MW results in the most overloads.

The table below summarizes the number of bus voltage violations in the study area for the various conditions analyzed:

	Number of Bus Voltage Violations					
	NE-NY 0 MW		**NE-NY 700 MW**		**NY-NE 700 MW**	
	NHHS On	**NHHS Off**	**NHHS On**	**NHHS Off**	**NHHS On**	**NHHS Off**
SWCT Dispatch ID	**2G-5G**	**6G-9G**	**10G-13G**	**14G-17G**	**18G-21G**	**22G-25G**
345 kV Violations	0	0	0	0	0	0
115 kV Violations	10	10	9	10	9	11

1. Introduction

This report summarizes power flow analysis conducted for The United Illuminating Company (UI) and Northeast Utilities (NU) for one option considered for expanding the New England 345 kV transmission system into southwest Connecticut (SWCT). The transmission option examined, called East Shore to Norwalk with a Reconductored 387 Line Looped into Beseck in this report, is for a 345 kV transmission path from Beseck to East Shore to Norwalk Substation, with interconnecting substations between these stations.[2] The East Shore to Norwalk with a reconductored 387 line looped into Beseck transmission configuration, consists primarily of underground cables with one section of overhead line, is described as follows:

From	To	Distance	Transmission
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East Shore	East Devon	15 miles	345 kV underground, 2500 kcmil HPFF, three parallel cables
East Devon	Singer	8 miles	345 kV underground, 2500 kcmil HPFF, two parallel cables
Singer	Norwalk	15 miles	345 kV underground, 2500 kcmil HPFF, two parallel cables

This option includes a new 345 kV switching station located at Beseck Junction. The existing 387 line (Scovill Rock to East Shore) is reconductored with bundled Genessee conductor and looped into Beseck. Reconfiguration of the 345 kV system also results in transmission connections from Beseck to the Haddam Neck, Haddam Auto, and Meriden 345 kV buses.

The focus of this report is to examine the effect of ±700 MW and 0 MW transfers between New England (NE) and New York (NY), as well as the status of generation at the 447 MW New Haven Harbor Station (NHHS) for a 27.7 GW New England load level. When NHHS is off-line, the generation deficiency is made up by the proposed Kleen Energy generation project, which is expected to be connected to the Scovill Rock to Manchester 345 kV line very near the Scovill Rock Substation.

Companion reports examining alternative transmission configurations are referenced in Section 6 of this report.

[2] A planned 345 kV transmission expansion from Plumtree to Norwalk substations, which is called Bethel to Norwalk , is assumed to be in-service in this analysis.

The objective of this study is to analyze and document the performance of this transmission configuration for steady-state base case and post-contingency transmission power flows and voltages.

The following Appendices are included in this report:

Appendix A	**Underground Cable and Overhead Line Transmission Modeling Data**
Appendix B	**Power Flow Base Case One-Line Diagrams**
Appendix C	**Contingency File**
Appendix D	**Generation Dispatches**
Appendix E	**Summary of Overloads**
Appendix F	**Summary of Voltage Violations**

2. Database

This section discusses the data developed and used in the study.

2.1. Power Flow Base Cases

Four power flow base cases, which included the approved Bethel to Norwalk 345 kV project in service, were utilized. PowerGEM revised each of the four cases to add the East Shore to Norwalk with a reconductored 387 line looped into Beseck transmission configuration. Details regarding the modeling of these circuits are provided in Appendix A. In addition the 345/115 kV autotransformers at East Shore were removed from the 387 line path.

Each of the four base cases provided had different Connecticut generation dispatches (designated dispatches 2, 3, 4, and 5), with zero transfers between New England and New York. For each of these cases other base case variations were prepared: a) 447 MW New Haven Harbor Station generator on-line or off-line and b) NE-NY ±700 MW transfers.

For all of these cases, when the 447 MW New Haven Harbor Station (NHHS) was turned off, it was replaced by generation from the proposed Kleen Energy project. Both generators are outside the SWCT interface. Appendix D contains a list of the on-line generation. Significant changes to the four SWCT dispatch cases (2, 3, 4, and 5) were restricted to New England generation.

Thus a total of twenty-four base cases were developed for the analysis in this report. To help organize the work and clearly identify the results, case or "dispatch" identifiers were assigned as summarized in the table below.

	Case or "Dispatch" Identifier					
	NE – NY 0 MW		NE – NY 700 MW		NY – NE 700 MW	
SWCT Generation Dispatch ID	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	2G	6G	10G	14G	18G	22G
3	3G	7G	11G	15G	19G	23G
4	4G	8G	12G	16G	20G	24G
5	5G	9G	13G	17G	21G	25G

The "G" in the identifier signifies that the modeling of the 387 line assumes that the line has been reconductored using bundled Genessee conductor. An "ESB" is included in the case identifier in the load flow case title to distinguish these cases from those in references 1 through 8. (An example case name is ESB277-2G, where the "2G" is referenced in the table above.)

For this configuration a one-line diagram showing power flows and voltages for each of the twenty-four base cases is included in Appendix B. Also, the generation dispatch changes to create the New York to New England and New England to New York power transfers are included in Appendix B.

2.2. Contingency File

A contingency file was modified as appropriate for this study, including those contingencies required to model the proposed Kleen Energy project on the Scovill Rock to Manchester 345 kV line, the proposed Beseck Switching Station and the reconductored and rerouted 387 line to East Shore. This is contained in Appendix C.[3]

Note that the contingencies assume that no more than one circuit leaving Beseck Switching Station is opened. Thus it is assumed that the Beseck Switching Station is designed such that a breaker failure at Beseck does not result in loss of multiple circuits leaving Beseck.

[3] Though contingency "devon-eshr2", which trips two of the three East Shore to East Devon 345 kV cables, is included in the contingency files, it was not included in the results in this report as loss of two of the three parallel cables is not being required to be evaluated.

3. Methodology and Results Files

This section describes the technical approach to the study, performance criteria, solution assumptions, and the format of the results.

3.1. Software

Set up of the power flow base cases used PTI's PSS/E software (Rev. 28). Base case and contingency analysis was conducted using PTI's MUST software (Rev. 5). Results from the MUST program are stored in Excel spreadsheets.

3.2. Performance Criteria

The criteria for checking overload and voltage performance were as follows:

- Buses and transmission branches in Connecticut 115 kV and above were monitored.
- For base case loading performance, transmission lines and transformers were checked against 100% of their normal ratings.
- For post-contingency loading performance, overloads of transmission lines and transformers were checked against 100% of the long-time emergency ratings.
- Buses 230 kV and above were checked for voltages less than 95% and greater than 105%. Buses in the 115 kV system were checked for voltages less than 90% and more than 105%.

3.3. Solution Options

For the analysis, tap-changing transformer and phase-shifting transformer adjustments were held fixed. For contingencies involving loss of generation/load the imbalance was made up by the system swing generator located outside New England.

4. Transmission Loading Results

The results of the analysis for transmission system loading violations, for both the base case and contingency conditions, are provided below.

4.1. Base Case Results

Loading on the 387S "south" line section for base case conditions is an important consideration for this transmission configuration, and is summarized in the following table. One-lines showing the flows on this line for each case are in Appendix B.

	Beseck-East Shore Line (387S Line) (1655 MVA normal)					
	NE – NY 0 MW		NE – NY 700 MW		NY – NE 700 MW	
SWCT Generation Dispatch ID	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	***91%***	***106%***	***98%***	***113%***	***83%***	***99%***
3	***63%***	***79%***	***70%***	***85%***	***55%***	***71%***
4	***47%***	***63%***	***54%***	***69%***	***39%***	***54%***
5	***88%***	***103%***	***95%***	***110%***	***80%***	***96%***

As indicated by the shaded entries in the table, there are four dispatches for which the Beseck-East Shore line is above normal rating in the base case, with the highest loading being 113%.

Base case overloads for all circuits in the study system are summarized in the table below.

	NE-NY 700 MW				
	NHHS On		NHHS Off		
	10G	11G	14G	15G	17G
73169 RYTN J A 115 73172 NORWALK 115 1	112.3	107.9	114.3	109.3	
73172 NORWALK 115 73207 FLAX HIL 115 1	120.8	116.4	122.8	117.8	
73207 FLAX HIL 115 73271 RYTN J B 115 1			101.9		
73295 BESECK 345 73663 E.SHORE 345 1			112.9		110.1

	NY-NE 700 MW				
	NHHS On		NHHS Off		
	18G	19G	22G	23G	
73169 RYTN J A 115 73172 NORWALK 115 1	114.1	109.7	116.2	111.7	
73172 NORWALK 115 73207 FLAX HIL 115 1	122.5	118.2	124.6	120.3	
73207 FLAX HIL 115 73271 RYTN J B 115 1	101.6		103.8		
73295 BESECK 345 73663 E.SHORE 345 1					

	NE-NY 0 MW				
	NHHS On		NHHS Off		
	2G	3G	6G	7G	9G
73169 RYTN J A 115 73172 NORWALK 115 1	113	108.6	115.1	110.7	
73172 NORWALK 115 73207 FLAX HIL 115 1	121.5	117.2	123.5	119.2	
73207 FLAX HIL 115 73271 RYTN J B 115 1	100.6		102.7		
73295 BESECK 345 73663 E.SHORE 345 1			106.4		103.4

As the table indicates, there are three 115 kV transmission lines that are loaded above normal rating in the base case (in addition to the Beseck-East Shore 345 kV line).

4.2. Post-Contingency Results

4.2.1. Table of Results

A summary of the overload results is shown in Table 1. The values shown are the percentage overload over the long-time emergency rating. If a table entry is blank, there is no overload. More detailed results are provided in Appendix E.

Any transmission line or transformer in the study area at 115 kV or above that experiences a post-contingency overload in this study is listed in the first column of Table 1.

The second column is the maximum overload over all of the cases examined.

The remaining columns, one for each of the generation dispatches studied, show the **maximum overload of the branch in %** (considering all contingencies) for each dispatch. If the entry is shaded, this is the dispatch for which the maximum overload occurs. If multiple entries are shaded, then each of them is at or very near the maximum overload. If a Table 1 entry is blank, then the branch is not overloaded for that dispatch. To find more detail, for example which contingency causes the overload, and whether other contingencies overload the branch, the reader should refer to Appendix E.

4.2.2. Discussion of Results

The 345 kV transmission lines experiencing post-contingency overloads are summarized in the table below:

Maximum Post-Contingency Overloads 345 kV Transmission		
Line Name	**Contingency Rating**	**Max Overload**
East Devon to Singer (underground cable)	794 MVA	7.4%
Norwalk to Singer (underground cable)	794 MVA	18.9%
Frost Bridge to Southington (existing overhead line)	1446 MVA	21.4%
Southington to Meriden (existing overhead line)	1912 MVA	1.8%

One 345/115kV auto-transformer at Southington experiences post-contingency overloads in fourteen of the twenty-four dispatches studied, with the maximum overload being 14.1%.

Thirty-two 115 kV transmission lines indicate post-contingency overloads for at least one generation dispatch.

Finally, for dispatches 21G and 25G the auto-transformer associated with the Connecticut to Long Island AC cables (1385 line) is overloaded by up to 12.2 % which occurs when New York is exporting power to New England.

A general review of Table 1 indicates, for the most part, more overloads and overloads of higher severity for some circuits, when New England is exporting 700 MW to New York as opposed to the reverse transfer of 700 MW from New York to New England.

345 kV Line
345/115 kV Autotransformer
CT-LI cable (line 1385)
115 kV Line

Table 1: ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Highest Overload (% above LTE): 27.7 GW NE Load, Dispatches 2G-25G, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

		NE - NY 700 MW								NY - NE 700 MW								NE - NY 0 MW							
		NHHS On-Line				NHHS Off-Line				NHHS On-Line				NHHS Off-Line				NHHS On-Line				NHHS Off-Line			
	Max Ovld	10G	11G	12G	13G	14G	15G	16G	17G	18G	19G	20G	21G	22G	23G	24G	25G	2G	3G	4G	5G	6G	7G	8G	9G
73104 FRSTBDGE 345 73106 SOUTHGTN 345 1	21.4	5.2			7.3	19.5			21.4													6.7			8.5
73106 SOUTHGTN 345 73122 MERID362 345 1	1.8					0.4			1.8																
73106 SOUTHGTN 345 73154 SGTN B 115 2	14.1	7.5	3.8	2.4	9.8	12.0	8.0	6.5	14.1									1.1			3.3	5.4	1.4	0.1	7.5
73144 TOMAC 115 73167 SO.END 115 1	0.2																							0.2	
73162 WATERSDE 115 73163 COS COB 115 1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
73162 WATERSDE 115 73168 GLNBROOK 115 1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
73164 BALDWNJA 115 73187 STEVENSN 115 1	2.8					2.8																			
73164 BALDWNJA 115 73202 FROST BR 115 1	11.6					11.6			9.0					0.4								6.5			3.1
73166 NORHR138 138 73171 NWLK HAR 115 1	12.2								0.4				7.1				12.2								
73167 SO.END 115 73294 GLNBRK J 115 1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
73168 GLNBROOK 115 73169 RYTN J A 115 1	3.5				1.4				2.6				2.3				3.5				1.8				3.0
73168 GLNBROOK 115 73237 ELYAVE 115 1	54.8			50.5	53.3			51.0	54.2			51.2	53.9			51.5	54.8			50.8	53.6			51.2	54.5
73168 GLNBROOK 115 73271 RYTN J B 115 1	49.5	19.0	15.5	37.8	46.8	20.4	16.8	39.1	48.2	20.3	16.8	39.2	48.1	21.8	18.2	40.5	49.5	19.5	16.1	38.4	47.4	21.0	17.4	39.8	48.8
73169 RYTN J A 115 73171 NWLK HAR 115 1	43.5			43.2	41.7			43.0	43.0			43.5	41.8			43.1	43.1			43.4	41.8			43.0	43.0
73169 RYTN J A 115 73172 NORWALK 115 1	85.1	80.5	75.9			82.8	77.2			82.8	78.1			85.1	80.4			81.5	76.8			83.7	79.1		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	80.9	71.8	69.4	70.3	71.0	79.2	80.9	69.9	79.7	72.4	69.7	42.2	70.9	80.8	71.8	68.7	79.4	72.1	69.4	41.1	70.6	79.6	71.7	69.4	79.4
73170 PLUMTREE 115 73176 TRIANGLE 115 2	34.8	34.3	34.6	34.8	34.3	34.0	34.6	34.7	34.1	34.4	34.5	34.4	34.1	34.2	34.6	34.5	34.0	34.4	34.5	34.6	34.2	34.0	34.6	34.6	34.0
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	185.8	182.4	182.1	182.5	182.2	184.9	185.8	182.4	185.1	182.5	182.0	182.1	182.0	185.4	182.0	181.7	184.9	182.4	182.0	182.2	182.2	185.0	182.5	182.0	185.0
73171 NWLK HAR 115 73237 ELYAVE 115 1	60.8			48.9	56.7			50.1	59.2			50.7	58.3			51.7	60.8			49.8	57.4			50.8	59.9
73171 NWLK HAR 115 73271 RYTN J B 115 1	4.3			4.3	4.2			4.3	4.2			4.3	4.2			4.3	4.2			4.3	4.2			4.3	4.2
73172 NORWALK 115 73207 FLAX HIL 115 1	99.6	95.1	90.4			97.3	91.7			97.3	92.6			99.6	95.0			96.0	91.3			98.2	93.6		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	1.1					0.2			1.1																0.6
73188 BCNFL PF 115 73192 DRBY J B 115 1	31.9	29.5	27.1	26.2	31.2	30.0	27.5	26.6	31.8	29.0	26.9	26.3	31.9	30.1	27.6	26.7	31.9	29.5	27.2	26.2	31.2	30.0	27.6	26.7	31.9
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	27.2	3.9			3.8	26.3			27.2					10.8			10.5					19.3			19.0
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	10.5					10.5			10.3													4.7			3.6
73207 FLAX HIL 115 73271 RYTN J B 115 1	82.1	77.5	72.8			79.8	74.1			79.8	75.0			82.1	77.4			78.5	73.7			80.7	76.0		
73224 TRMB J A 115 73700 PEQUONIC 115 1	5.7			5.7								3.3								4.6					
73227 E.MERIDN 115 73633 NO.WALLF 115 1	25.1	16.2			17.7	23.5	4.0		25.1	13.3			15.0	20.7	1.4		22.2	14.7			16.4	22.0	2.8		23.5
73228 BALDWNJB 115 73185 BUNKER H 115 1	1.8					1.1			1.8																
73230 HADDAM 115 73231 BOKUM 115 1	15.8	2.9			3.5	15.2			15.8					8.0			8.6				0.3	11.9			12.4
73230 HADDAM 115 73231 BOKUM 115 2	0.6					0.1			0.6																
73231 BOKUM 115 73265 GREEN HL 115 1	0.2					0.2			0.1																
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	124.8	121.8	121.5	121.7	121.6	124.3	124.8	121.5	124.4	121.9	121.4	121.5	121.6	124.6	121.4	121.2	124.3	121.9	121.4	121.5	121.6	124.4	121.8	121.4	124.3
73295 BESECK 345 73663 E.SHORE 345 1 *	12.9					12.9			10.1													6.4			3.4
73311 DEVSING2 345 73313 SINGDEV2 345 1	7.4	7.4				1.0																			
73317 NORSING2 345 73315 SINGNOR2 345 1	18.9		18.9	6.6			11.3												6.5						
73669 GRAND AV 115 73681 WEST RIV 115 1	1.3				1.3								0.5								0.8				
73669 GRAND AV 115 73681 WEST RIV 115 2	1.3				1.3								0.5								0.8				
73701 CRRA JCT 115 73703 ASHCREEK 115 1	0.5		0.5								0.4				0.2				0.4				0.2		
75053 NRTHPT P 138 75051 NRTHPRT1 138 1	1.8																1.8								

*** Overloads are for base case conditions only**

5. Transmission Voltage Results

5.1. Tables of Results

A summary of the most severe 115 kV low voltage violations is provided in Table 2. There were no voltage violations at the monitored 345 kV buses.

More detailed results on the voltage analysis are provided in Appendix F. Since violations of high voltage limits were minor, they are not included in Table 2 but are included in Appendix F.

The values in Table 2 indicate the amount, in per-unit, that the bus voltage is below the low voltage criteria. More detailed information on the results of the voltage analysis may be found in tables in Appendix F.

5.2. Discussion of Results

Focusing on the results in Table 2, all low voltages are for 115 kV buses. The worst voltages are for conditions for SWCT dispatch 5 (see Appendix D for a summary of generation dispatches). However, some other buses that experience post-contingency under-voltages for this dispatch also experience under-voltages for other dispatch conditions.

Table 2: ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Worst Low Voltage Violation: 27.7 GW NE Load, Dispatches 2G-25G, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

		NE - NY 700 MW								NY - NE 700 MW								NE - NY 0 MW							
		NHHS On-Line				NHHS Off-Line				NHHS On-Line				NHHS Off-Line				NHHS On-Line				NHHS Off-Line			
	Max Viol	10G	11G	12G	13G	14G	15G	16G	17G	18G	19G	20G	21G	22G	23G	24G	25G	2G	3G	4G	5G	6G	7G	8G	9G
BALDWINB	0.035	0.020	0.014	0.016	0.033	0.020	0.015	0.016	0.035	0.019	0.013	0.014	0.031	0.020	0.015	0.015	0.034	0.019	0.014	0.015	0.032	0.020	0.015	0.015	0.034
BCNFL PF	0.006				0.003				0.006				0.002				0.004				0.003				0.005
BUNKER H	0.035	0.019	0.014	0.016	0.033	0.019	0.015	0.016	0.035	0.019	0.013	0.014	0.031	0.020	0.014	0.015	0.034	0.019	0.014	0.015	0.032	0.019	0.014	0.015	0.034
ELMWST A	0.010				0.010				0.003								0.006				0.002				0.003
ELMWST B	0.012				0.012				0.005								0.008				0.004				0.005
FREIGHT	0.036	0.021	0.016	0.017	0.034	0.021	0.016	0.017	0.036	0.020	0.015	0.016	0.033	0.021	0.016	0.016	0.035	0.021	0.016	0.017	0.033	0.021	0.016	0.017	0.036
SO.NAUG	0.005				0.003				0.005				0.002				0.004				0.002				0.005

All buses are 115 kV buses

6. References

1. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, New Haven Harbor Station On-Line, NE-NY 0 MW, PowerGEM Report 10021.001-1 Revised, dated January 28, 2004.

2. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, New Haven Harbor Station Off-Line, NE-NY 0 MW, PowerGEM Report 10021.001-2, dated January 28, 2004.

3. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, New Haven Harbor Station On-Line, NE-NY 0 MW, PowerGEM Report 10021.001-3 dated January 28, 2004.

4. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, New Haven Harbor Station Off-Line, NE-NY 0 MW, PowerGEM Report 10021.001-4 dated January 28, 2004.

5. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY ± 700 MW, PowerGEM Report 10021.001-5 dated February 16, 2004.

6. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, NE-NY ± 700 MW, PowerGEM Report 10021.001-6 dated February 16, 2004.

7. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV East Shore to East Devon All Underground Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, NE-NY ± 700 MW and 0 MW, PowerGEM Report 10021.001-7 dated April 14, 2004.

8. Southwest Connecticut Transmission Expansion, East Shore to Norwalk with a Second 345 kV Line to East Shore: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Existing, Second Line to East Shore, NE-NY ±700 MW and 0 MW, PowerGEM Report 10021.001-8 dated May 25, 2004.

Appendix A

Underground Cable
and
Overhead Line
Transmission Modeling Data

Circuit Parameters: East Shore to Norwalk 345 kV All Underground Cable

					Each Circuit								Each Cable	
From	To	No. of Ckts	Miles	Type	R (total)	X (total)	B (total)	R/mile	X/mile	B/mile	Ratings (MVA)	Comments	From Bus Reactor	To Bus Reactor
Norwalk	Singer	2	15	2500 kcmil HPFF U/G	0.00062	0.00307	3.28943	0.00004133	0.0002047	0.2192953	632 / 794 / 794		100	100
Singer	E.Devon	2	8	2500 kcmil HPFF U/G	0.00033	0.00163	1.74022	0.00004125	0.0002038	0.2175275	632 / 794 / 794		80	80
E.Devon	E.Shore	3	15	2500 kcmil HPFF U/G	0.00062	0.00307	3.28943	0.00004133	0.0002047	0.2192953	632 / 794 / 794		130	130

Circuit Parameters: Beseck 345 kV Switching Station Overhead Lines

					Each Circuit							
From	To	No. of Ckts	Miles	Type	R (total)	X (total)	B (total)	R/mile	X/mile	B/mile	Ratings (MVA)	Comments
Beseck	Scovill Rock		13.1	Genessee	0.0004521	0.0059701	0.113243	3.4511E-05	0.00045573	0.0086445	1655 / 2490 / 2490	Reconductor
Beseck	E. Shore	1	19.7	Genessee	0.0006799	0.0089779	0.1702969	3.4513E-05	0.00045573	0.00864451	1655 / 2490 / 2490	Reconductor
Beseck	Haddam Neck	1			0.00076	0.00923	0.16026				1488 / 1793 / 1793	Existing line reconnection
Beseck	Haddam Auto	1			0.00056	0.00675	0.12030				1488 / 1912 / 2097	Existing line reconnection
Beseck	Meriden	1			0.00030	0.00386	0.17600				1488 / 1912 / 2097	Existing line reconnection

Appendix B

Power Flow Base Case
One-Line Diagrams

	Case or "Dispatch" Identifier					
	NE – NY 0 MW		NE – NY 700 MW		NY – NE 700 MW	
SWCT Generation Dispatch ID	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	2G	6G	10G	14G	18G	22G
3	3G	7G	11G	15G	19G	23G
4	4G	8G	12G	16G	20G	24G
5	5G	9G	13G	17G	21G	25G

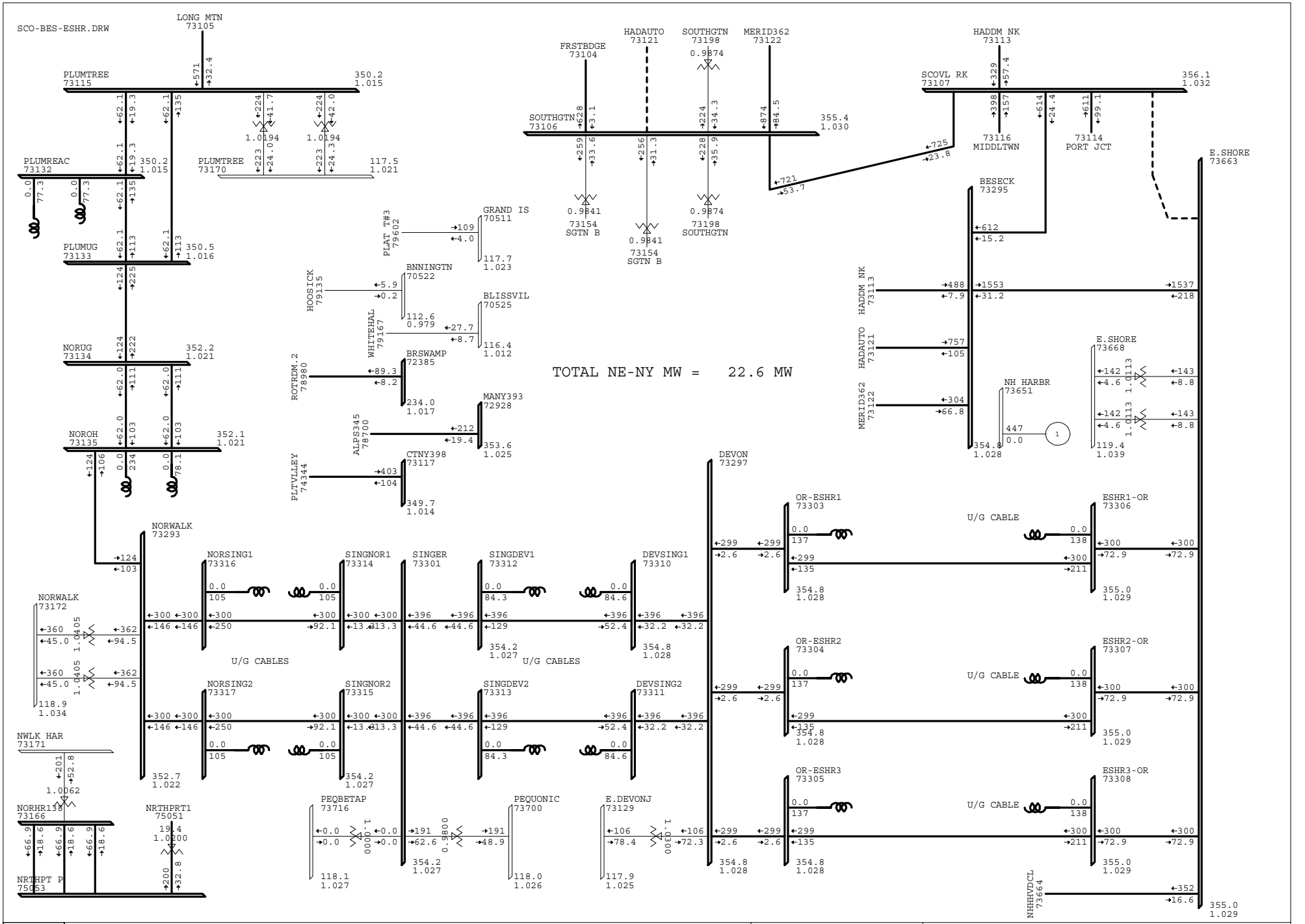
NHHS = 447 MW New Haven Harbor Station

Dispatch Changes to Create 700 MW NE to NY Cases

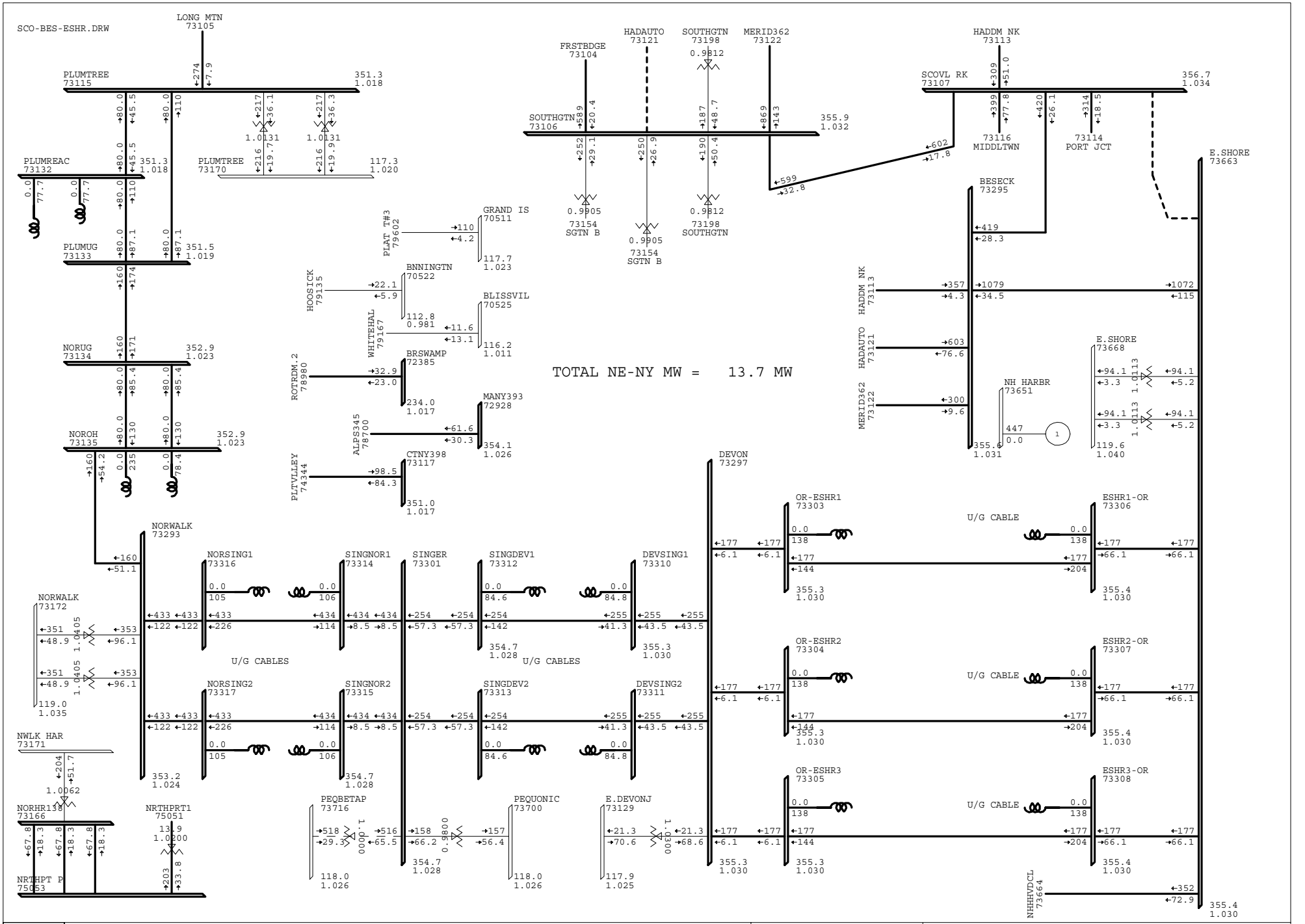
Bring on MIS GT2 (70061) at reduced output	+150.0 MW
Bring on Edgar GT1 (70909)	+276.2 MW
Bring on Edgar ST1 (70911) at reduced output	+273.8 MW *adjust as needed
	+700.0 MW
Take off Oswego 6 (77953)	-850.0 MW
Increase Roseton Gen1 (74190)	+150.0 MW *adjust as needed
	-700.0 MW

Dispatch Changes to Create 700 MW NY to NE Cases

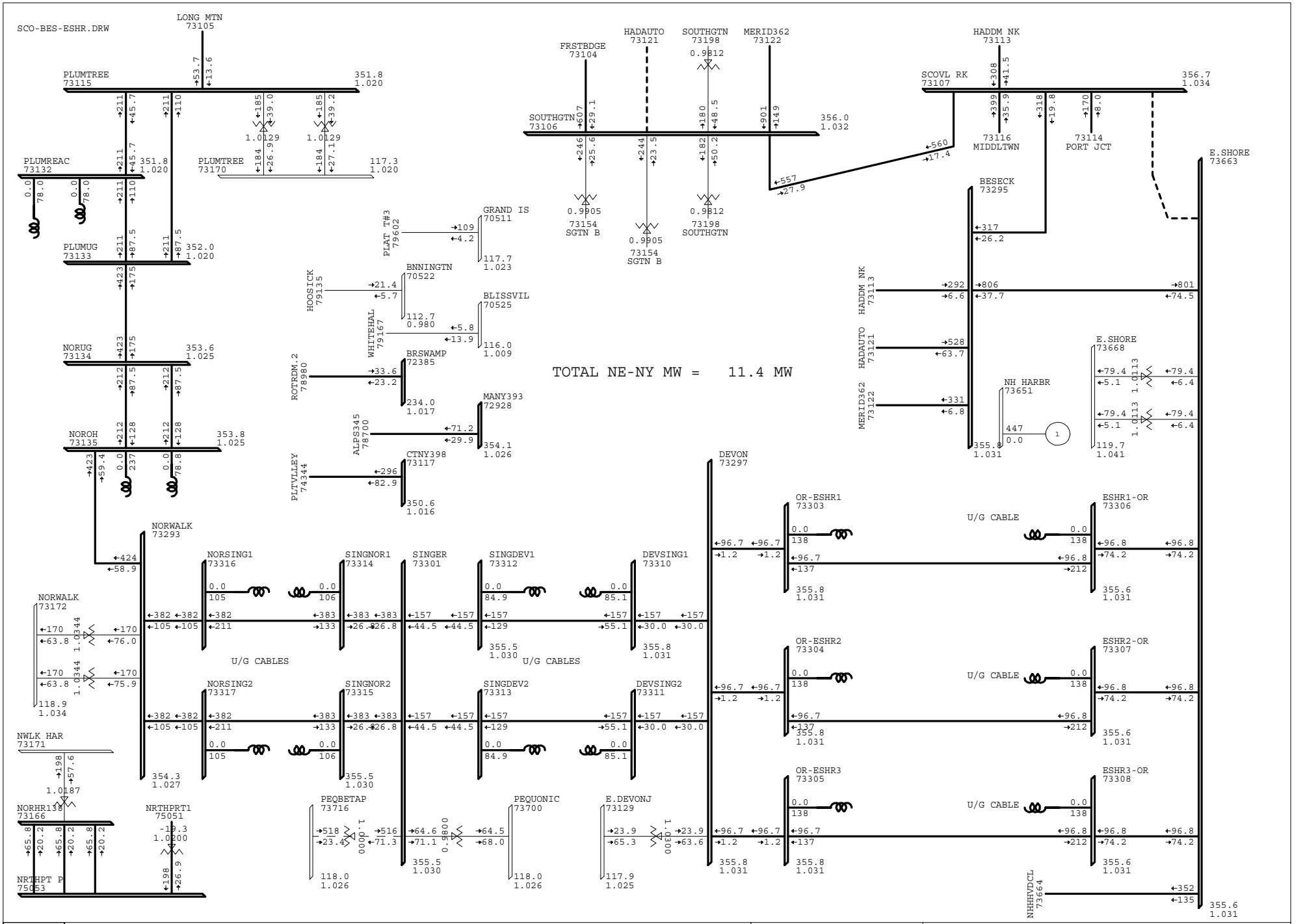
Take off Wyman #2 (70361)	-21.0 MW
Take off Wyman #3 (70362)	-20.0 MW
Increase Wyman #4 (70368)	+11.0 MW *adjust as needed
Take off Cabot CMB (71065)	-260.0 MW
Take off Cabot STM (71066)	-120.0 MW
Take off ANP Blackstone (71096)	-290.0 MW
	-700.0 MW
Bring on Gowanus 3GT (74776)	+110.0 MW
Bring on Athens C (78710)	+248.0 MW
Bring on Athens S (78711)	+112.0 MW
Increase Roseton Gen1 (74190)	+230.0 MW *adjust as needed
	+700.0 MW



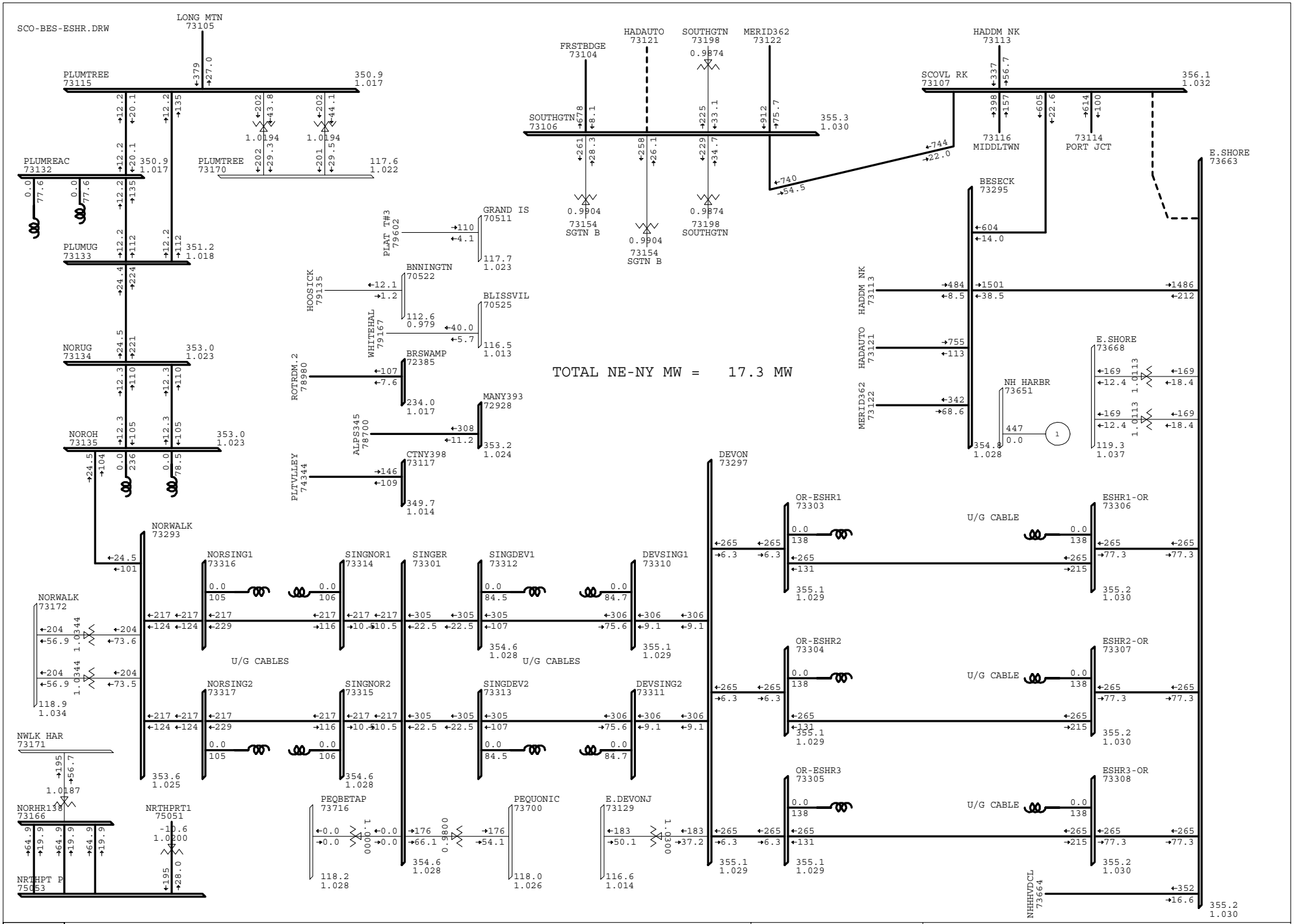
POWER TECHNOLOGIES INC.	ESB277-2G, 27.7GW LD, DISP 2,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



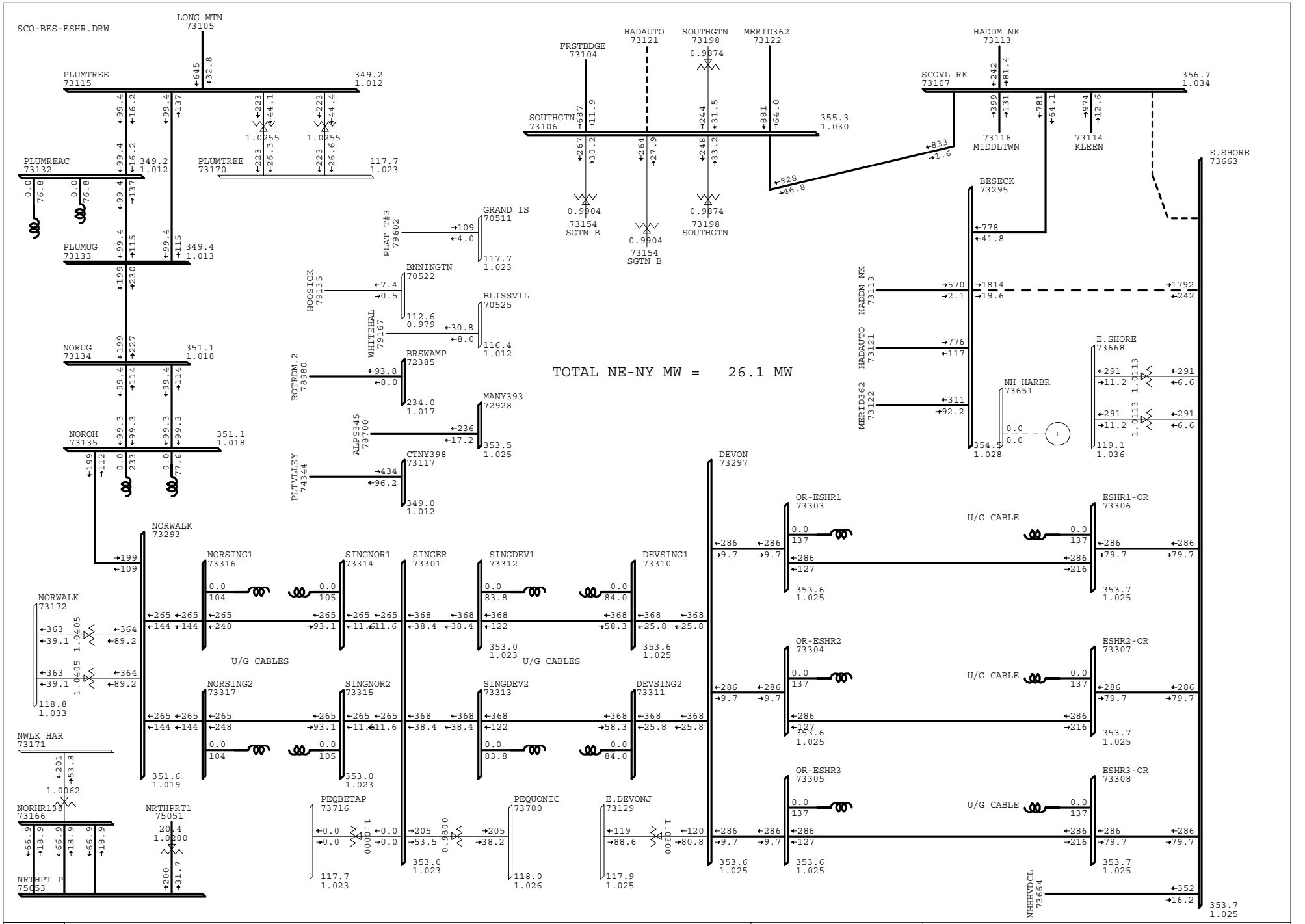
POWER TECHNOLOGIES INC.	ESB277-3G, 27.7GW LD, DISP 3,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



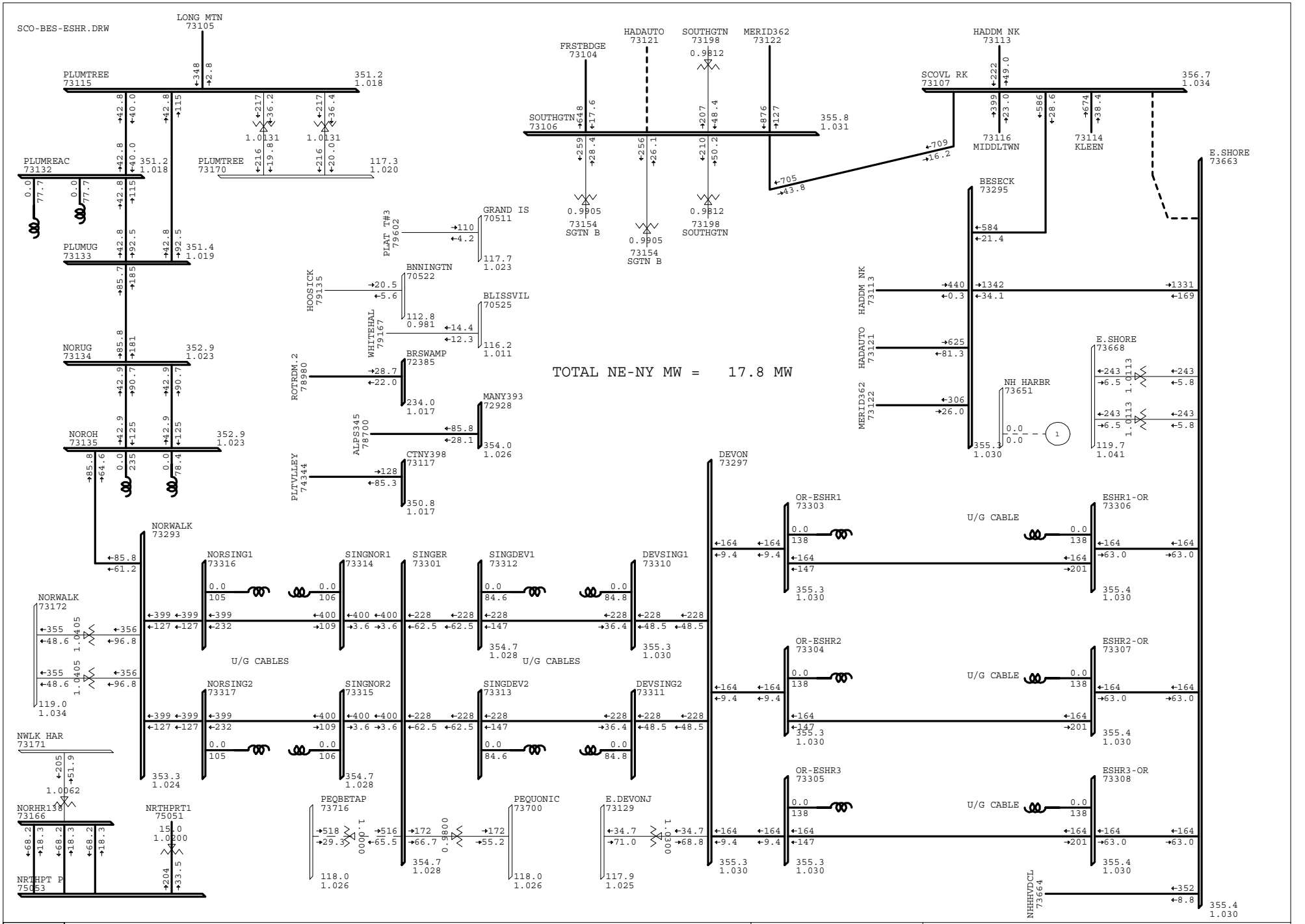
POWER TECHNOLOGIES INC.	ESB277-4G, 27.7GW LD, DISP 4,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR

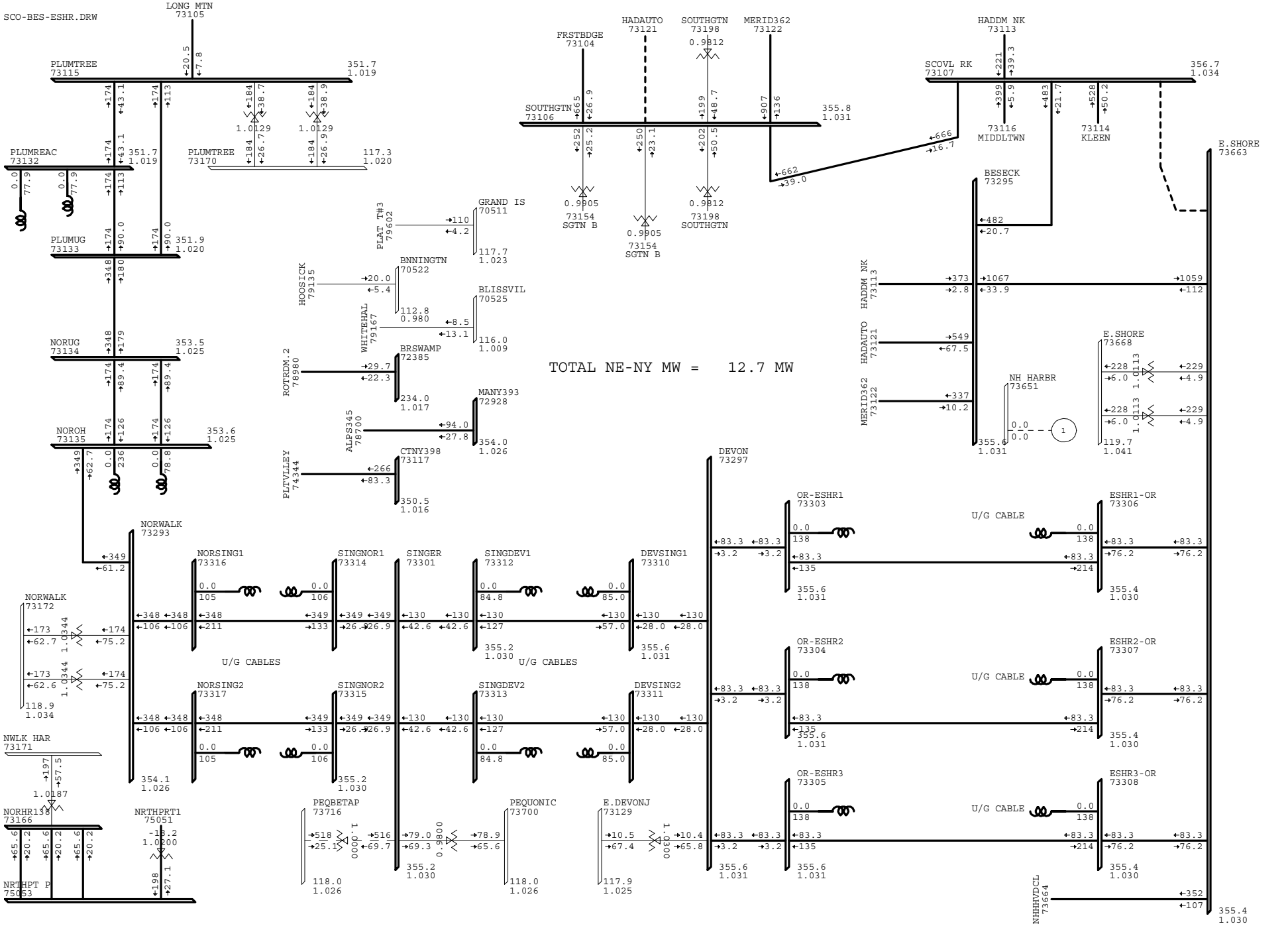


POWER TECHNOLOGIES INC.	ESB277-5G, 27.7GW LD, DISP 5,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR

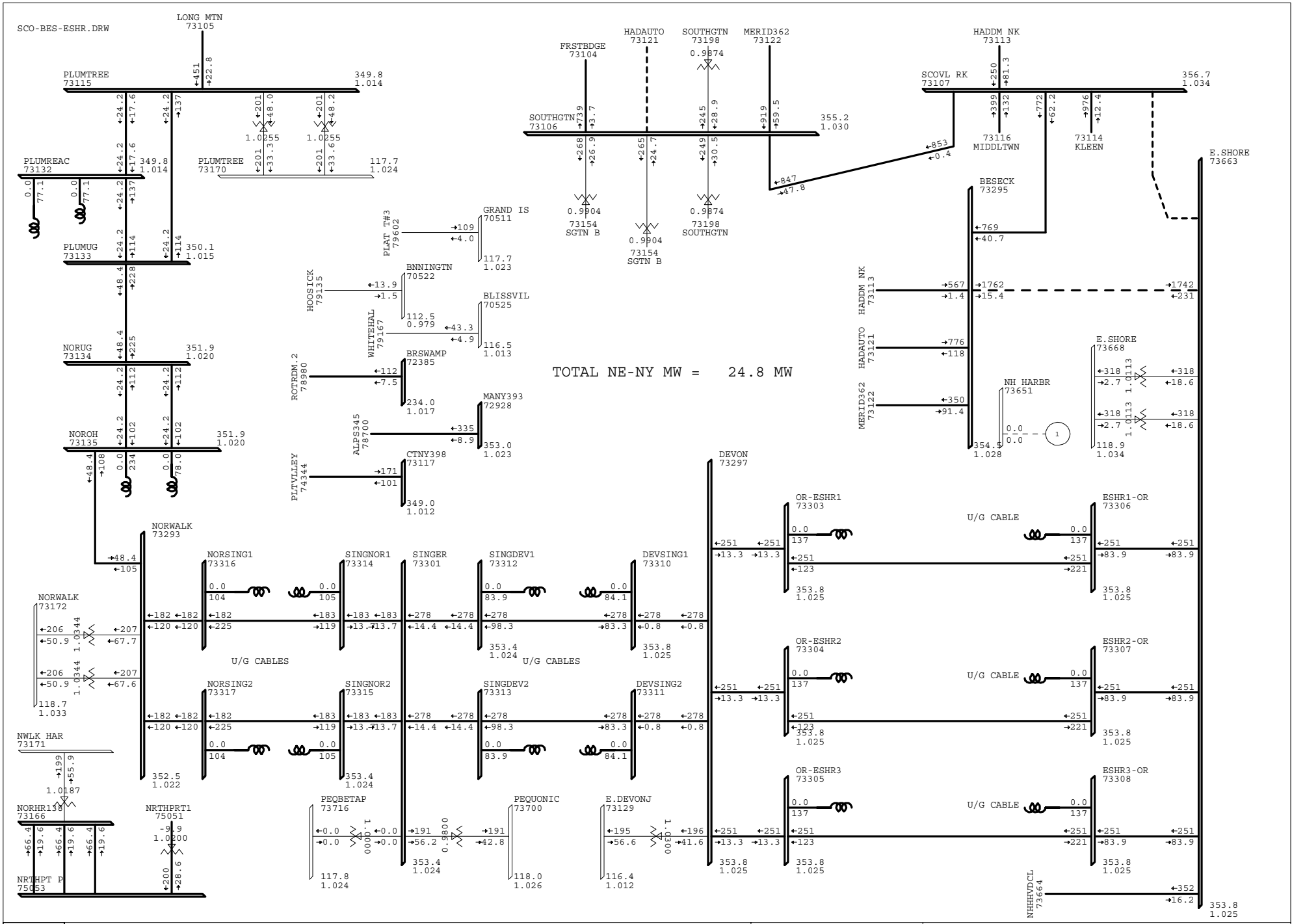


POWER TECHNOLOGIES INC.	ESB277-6G, 27.7GW LD, DISP 6,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS OFF BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR

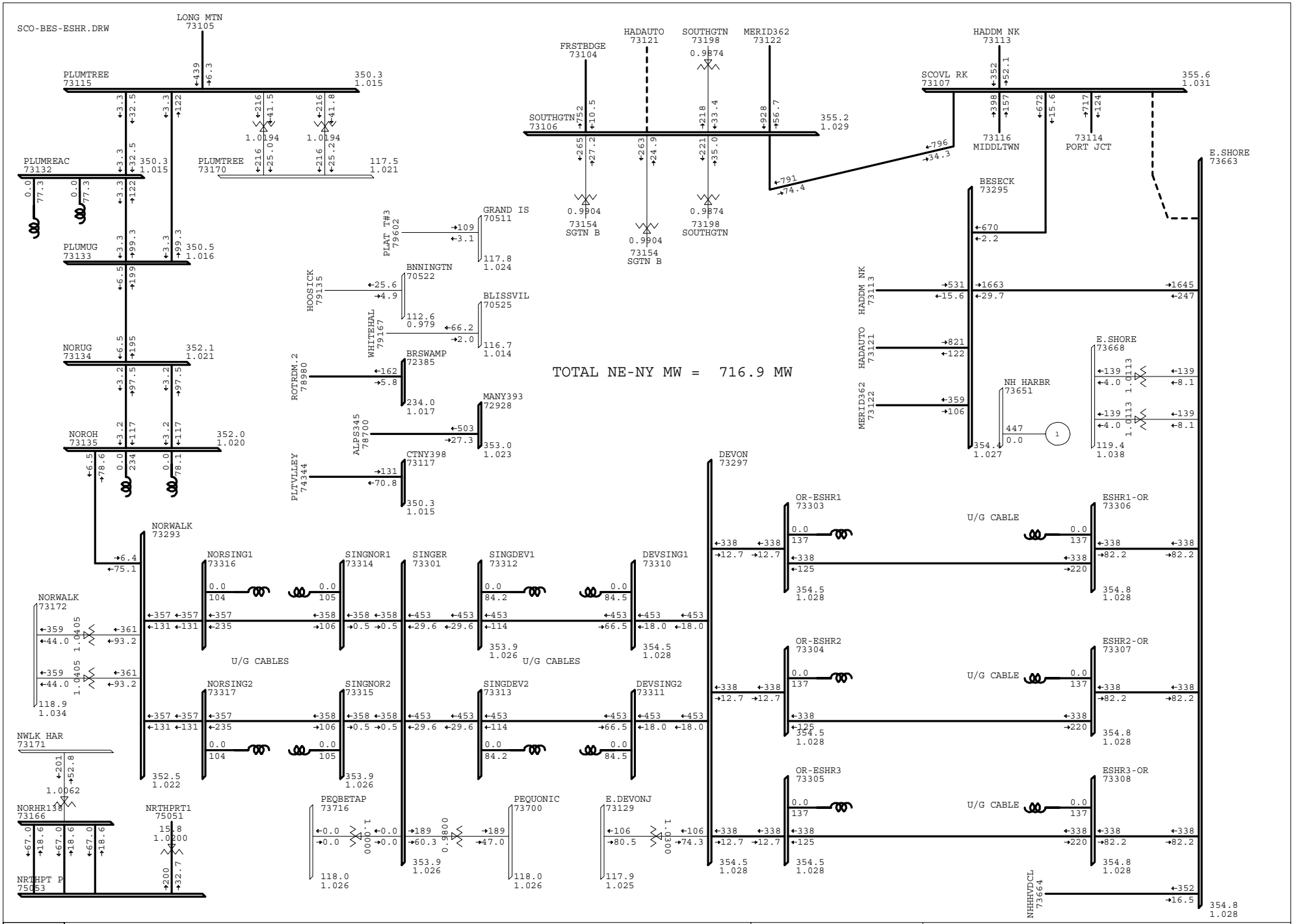

SCO-BES-ESHR.DRW
TOTAL NE-NY MW = 17.8 MW
LONG MTN 73105
PLUMTREE 73115 351.2 1.018
PLUMREAC 73132 351.2 1.018
PLUMTREE 73170 117.3 1.020
PLUMUG 73133 351.4 1.019
NORUG 73134 352.9 1.023
NOROH 73135 352.9 1.023
NORWALK 73293
NORWALK 73172 119.0 1.034
NWLK HAR 73171
NORHR138 73166
NRTHPT P 75053
NRTHPRT1 75051 15.0 1.0200
353.3 1.024
NORSING1 73316
NORSING2 73317
SINGNOR1 73314
SINGNOR2 73315
SINGER 73301
SINGDEV1 73312
SINGDEV2 73313
354.7 1.028
U/G CABLES
DEVSING1 73310
DEVSING2 73311
355.3 1.030
DEVON 73297
355.3 1.030
PEQBETAP 73716 118.0 1.026
PEQUONIC 73700 118.0 1.026
354.7 1.028
E.DEVONJ 73129 117.9 1.025
FRSTBDGE 73104
SOUTHGTN 73106 355.8 1.031
HADAUTO 73121
SOUTHGTN 73198
MERID362 73122
0.9905 73154 SGTN B
0.9812 73198 SOUTHGTN
PLAT T#3 79602
GRAND IS 70511 117.7 1.023
HOOSICK 79135
BNNINGTN 70522 112.8 0.981
WHITEHAL 79167
BLISSVIL 70525 116.2 1.011
ROTRDM_2 78980
BRSWAMP 72385 234.0 1.017
ALPS345 78700
MANY393 72928 354.0 1.026
PLTVLLEY 74344
CTNY398 73117 350.8 1.017
HADDM NK 73113
SCOVL RK 73107 356.7 1.034
73116 MIDDLTWN
73114 KLEEN
E.SHORE 73663
BESECK 73295 355.3 1.030
HADDM NK 73113
HADAUTO 73121
MERID362 73122
NH HARBR 73651
E.SHORE 73668 119.7 1.041
OR-ESHR1 73303
OR-ESHR2 73304
OR-ESHR3 73305
ESHR1-OR 73306
ESHR2-OR 73307
ESHR3-OR 73308
U/G CABLE
NHHHVDCL 73664
355.4 1.030
ESB277-7G, 27.7GW LD, DISP 7,SCO-BES-ESHR(GENESSSEE RECON)
PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS OFF
BASE CASE WED, JUN 16 2004 17:24
POWER TECHNOLOGIES INC.
100 % RATEA
0.950 UV 1.050 OV
KV: ≤115
BUS - VOLTAGE(KV/PU)
BRANCH - MW/MVAR
EQUIPMENT - MW/MVAR



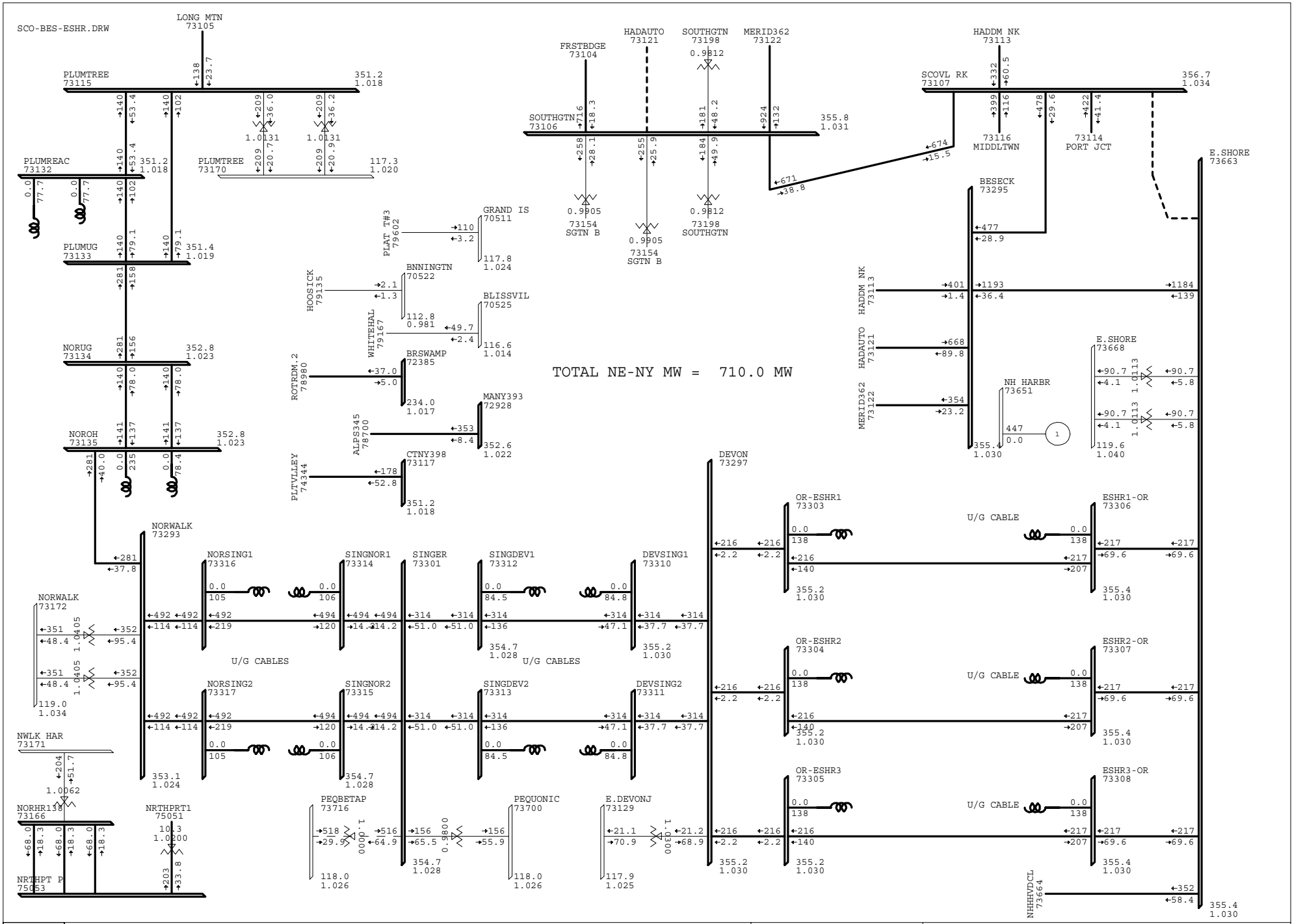
POWER TECHNOLOGIES INC.	ESB277-8G 27.7GW LD, DISP 8,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS OFF BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



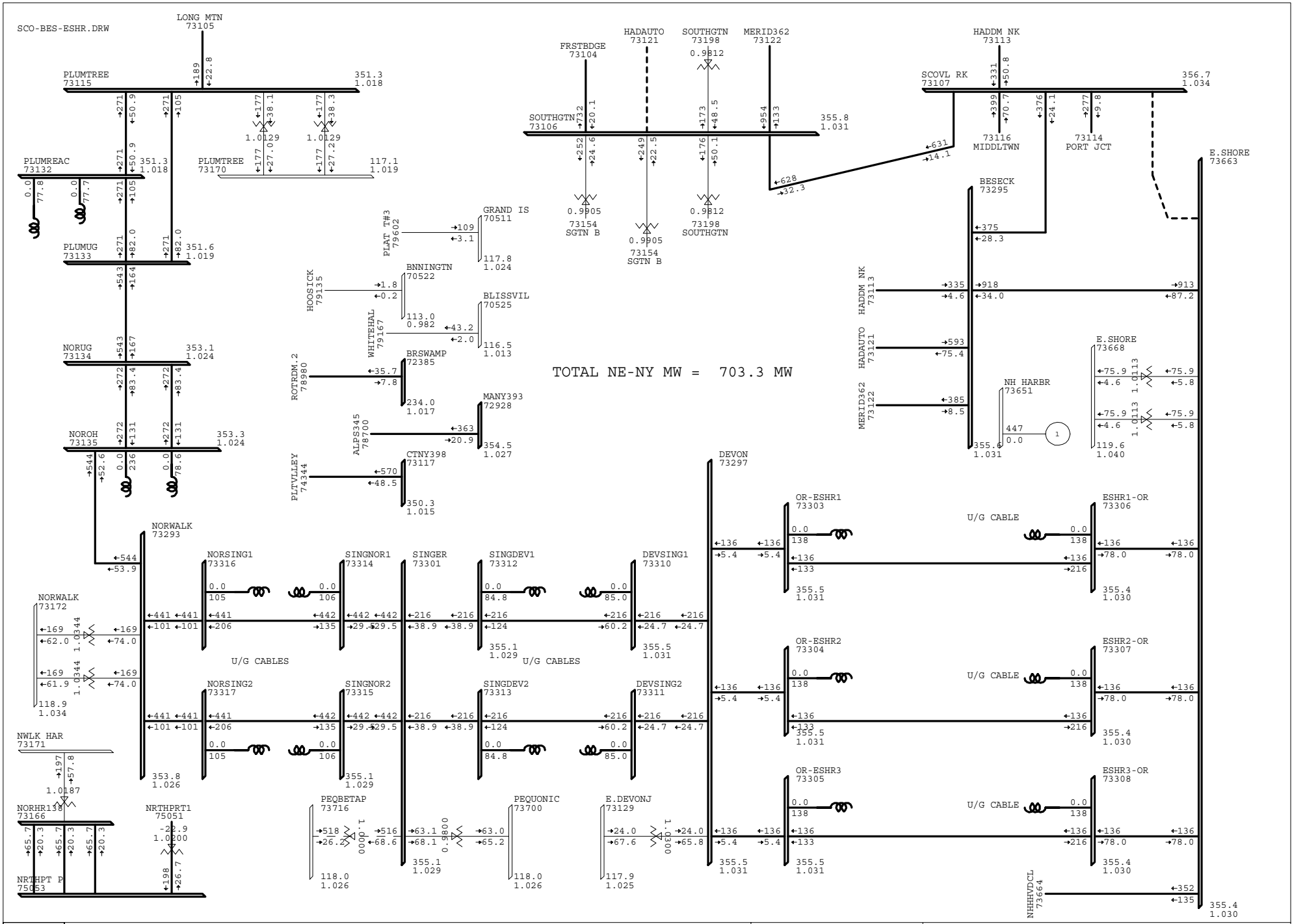
POWER TECHNOLOGIES INC.	ESB277-9G, 27.7GW LD, DISP 9,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 0, NHHS OFF BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



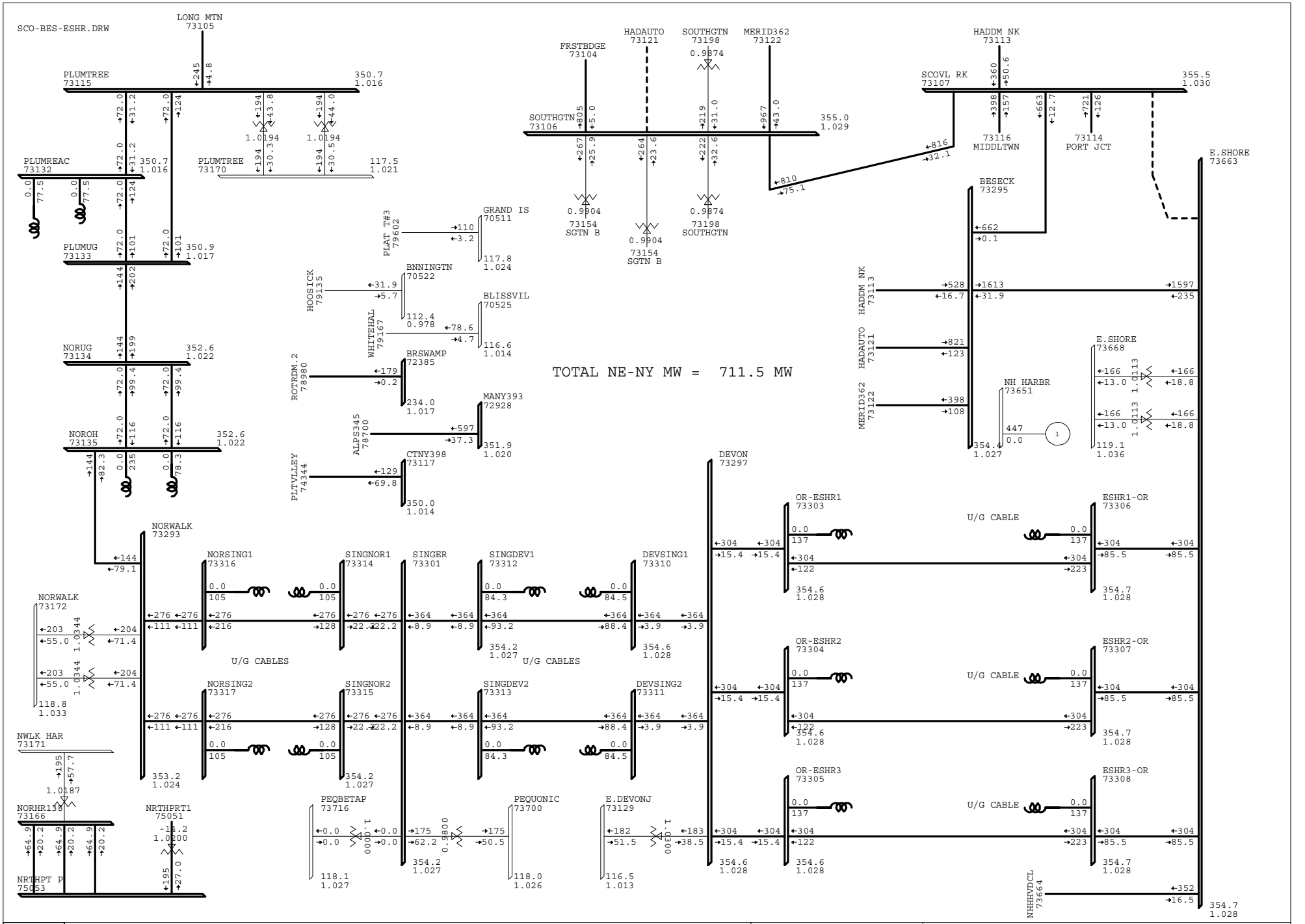
POWER TECHNOLOGIES INC.	ESB277-10G, 27.7GW LD, DISP 10,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



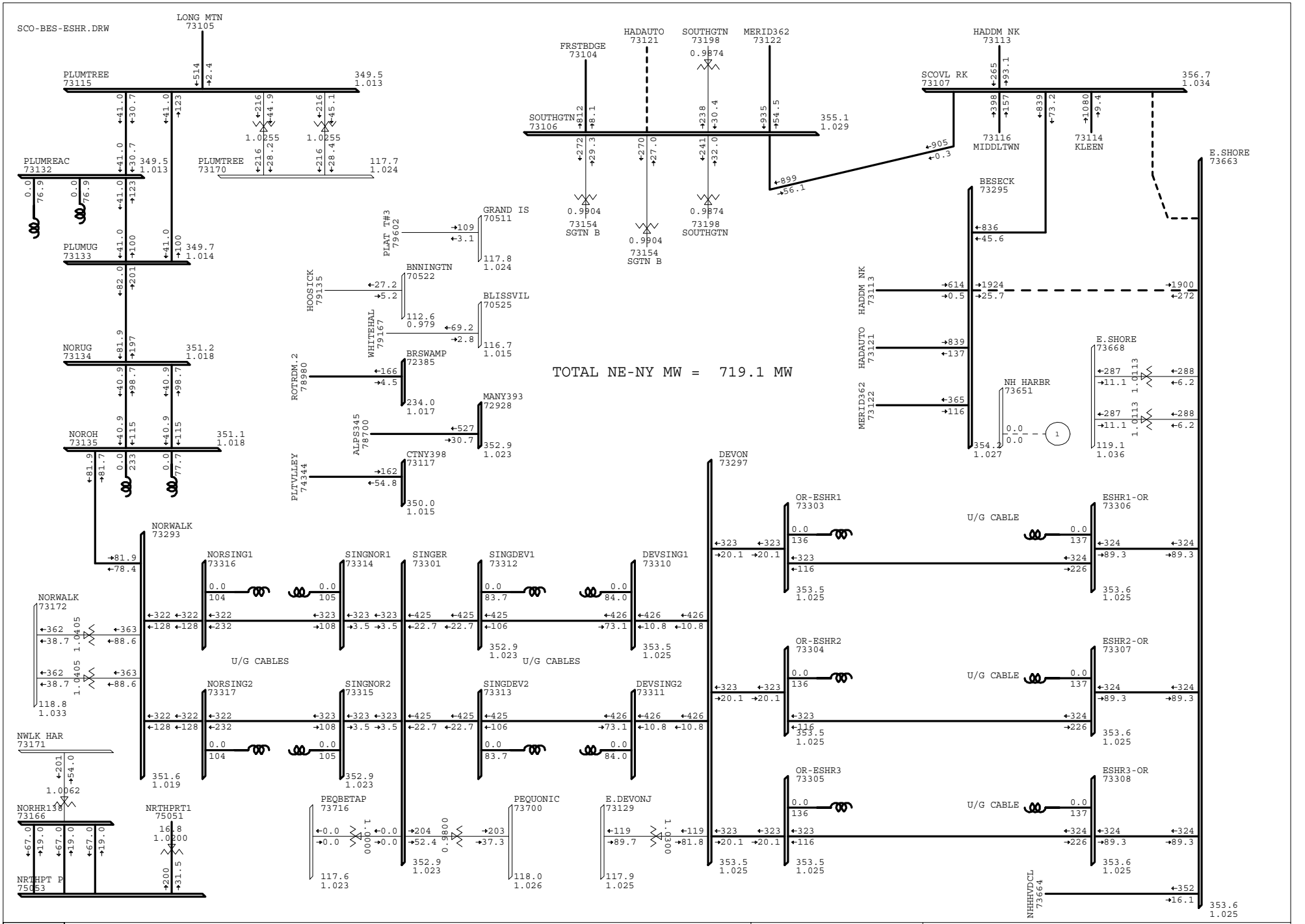
POWER TECHNOLOGIES INC.	ESB277-11G, 27.7GW LD, DISP 11,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



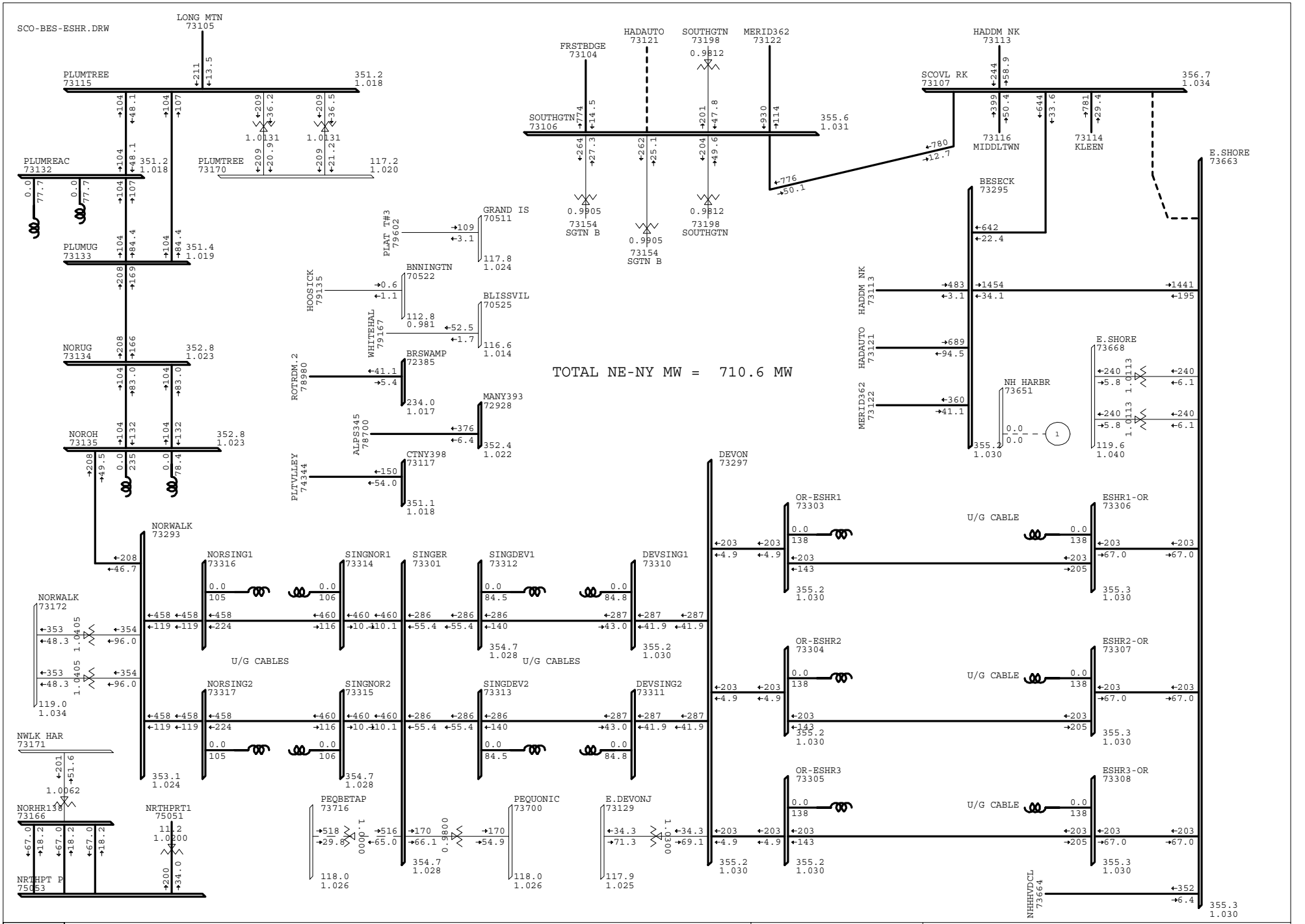
POWER TECHNOLOGIES INC.	ESB277-12G, 27.7GW LD, DISP 12,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



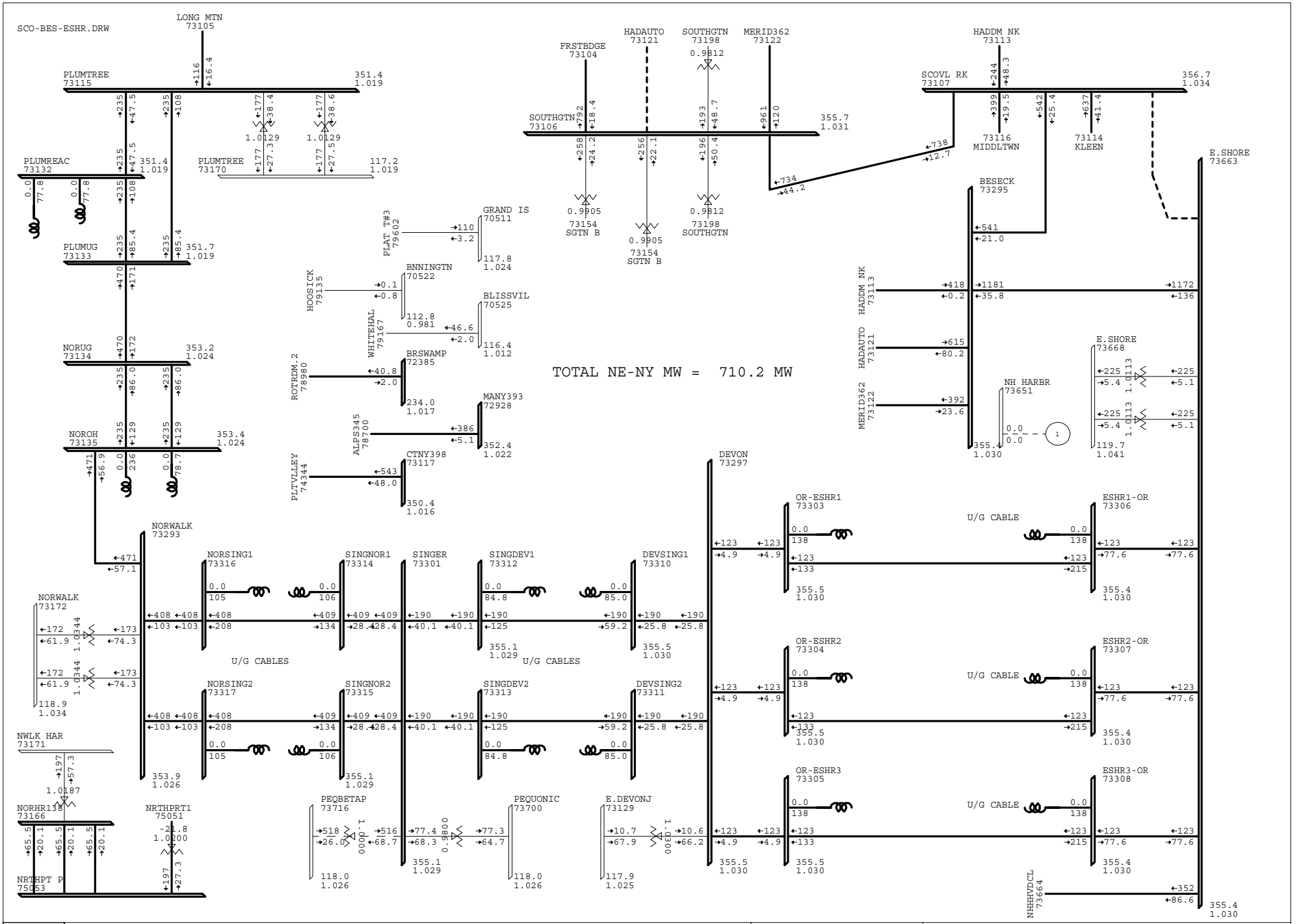
POWER TECHNOLOGIES INC.	ESB277-13G, 27.7GW LD, DISP 13,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS ON BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



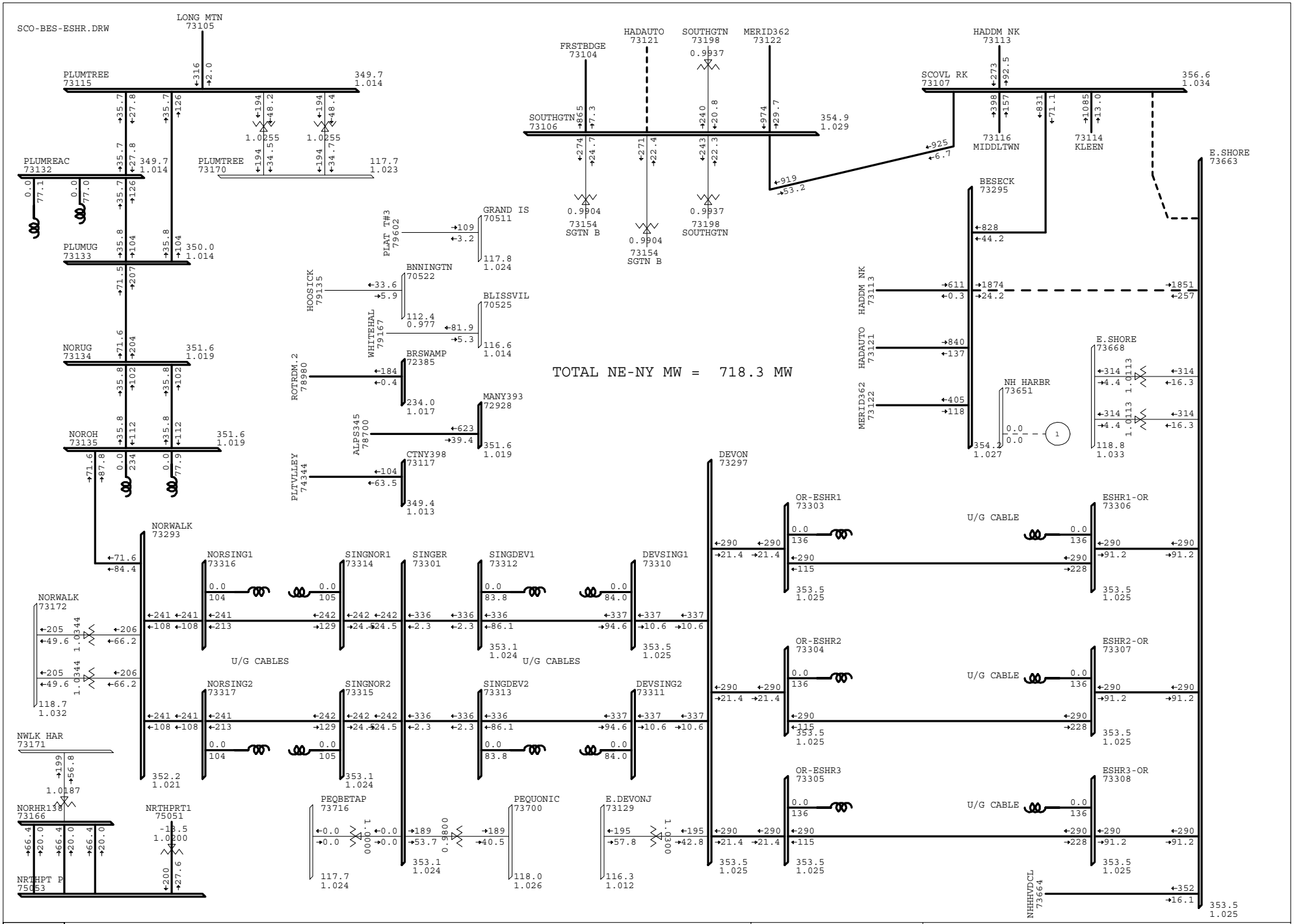
POWER TECHNOLOGIES INC.	ESB277-14G, 27.7GW LD, DISP 14,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:24	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



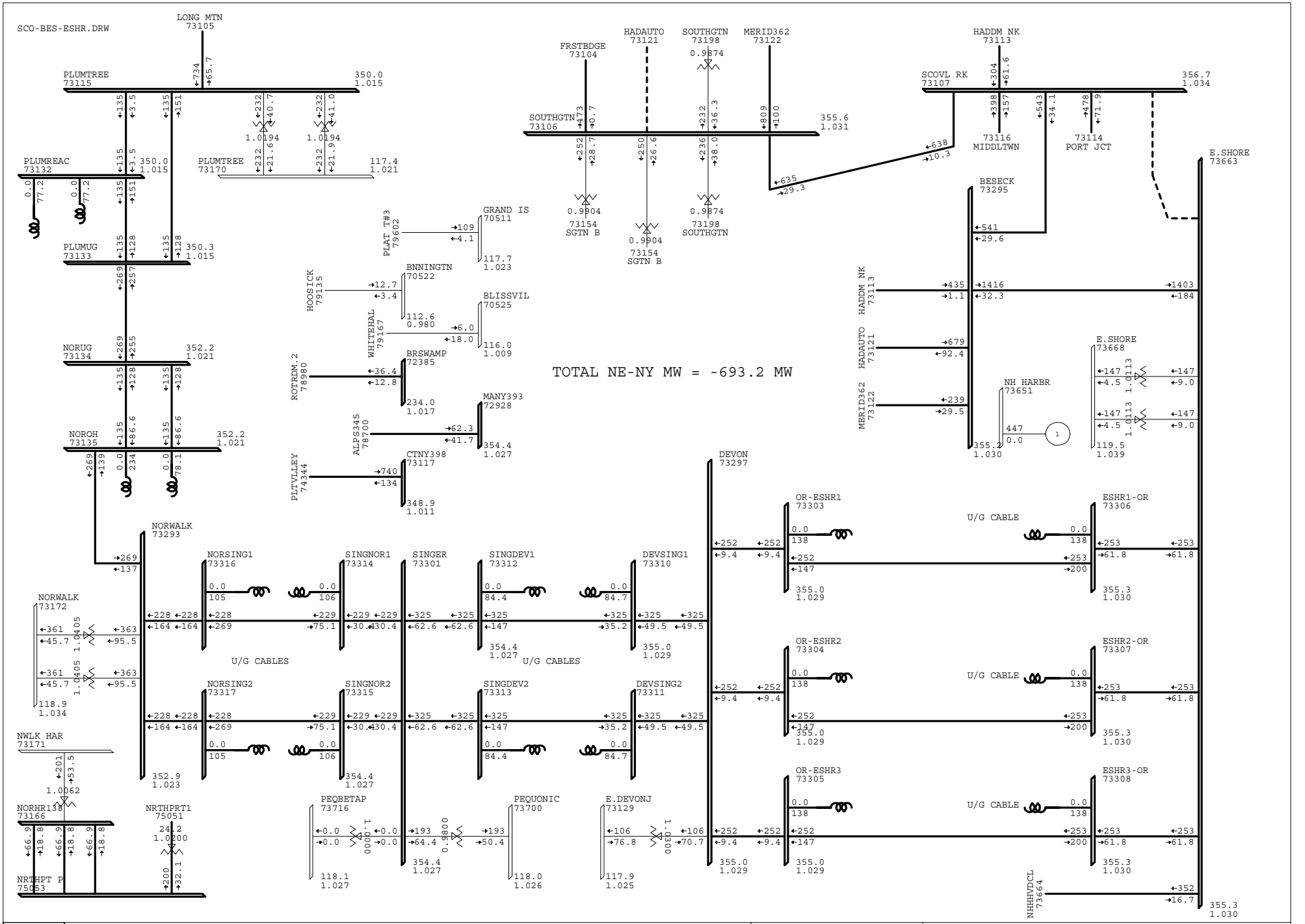
POWER TECHNOLOGIES INC.	ESB277-15G, 27.7GW LD, DISP 15,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



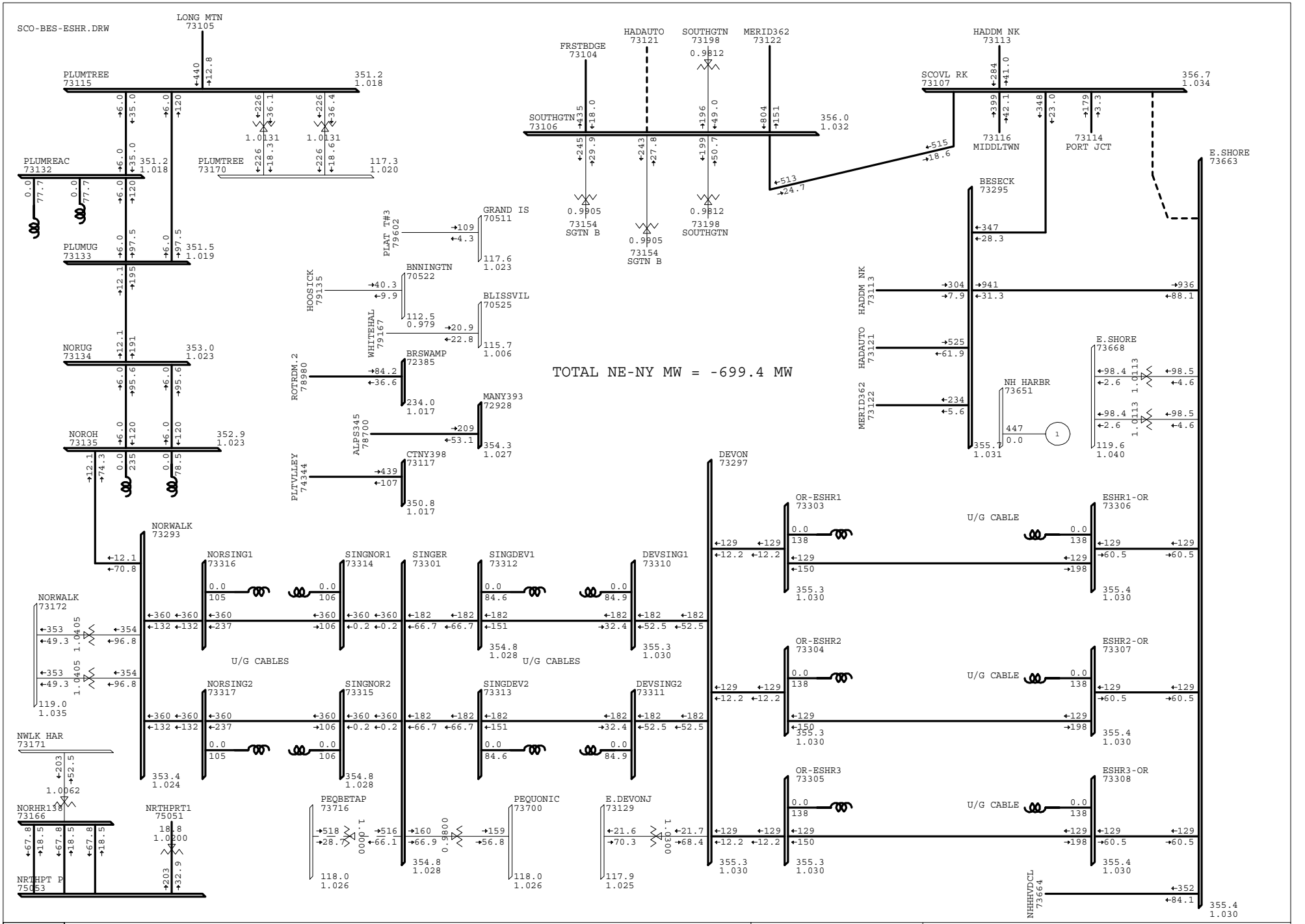
POWER TECHNOLOGIES INC.	ESB277-16G, 27.7GW LD, DISP 16,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



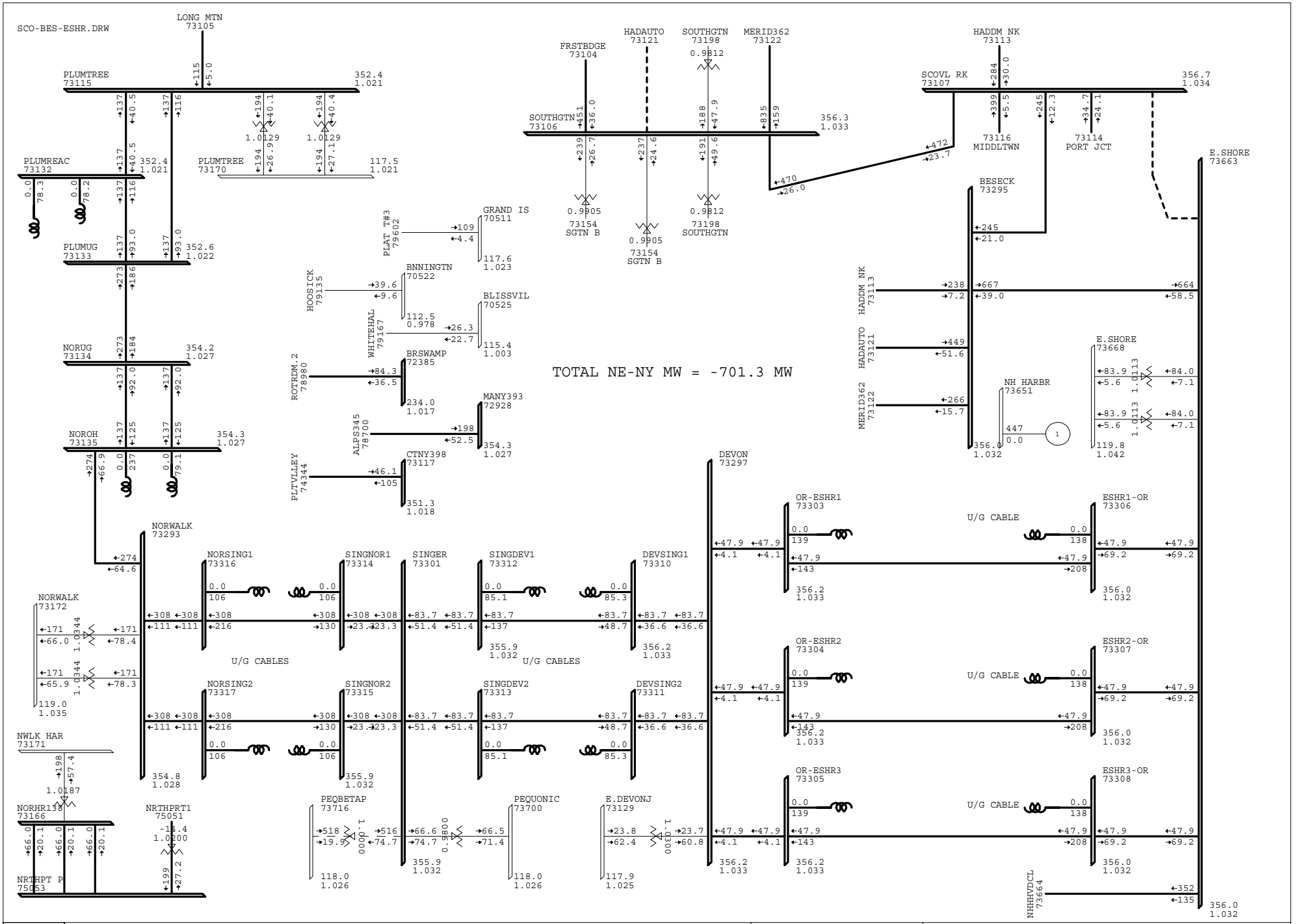
POWER TECHNOLOGIES INC.	ESB277-17G, 27.7GW LD, DISP 17,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NE-NY 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



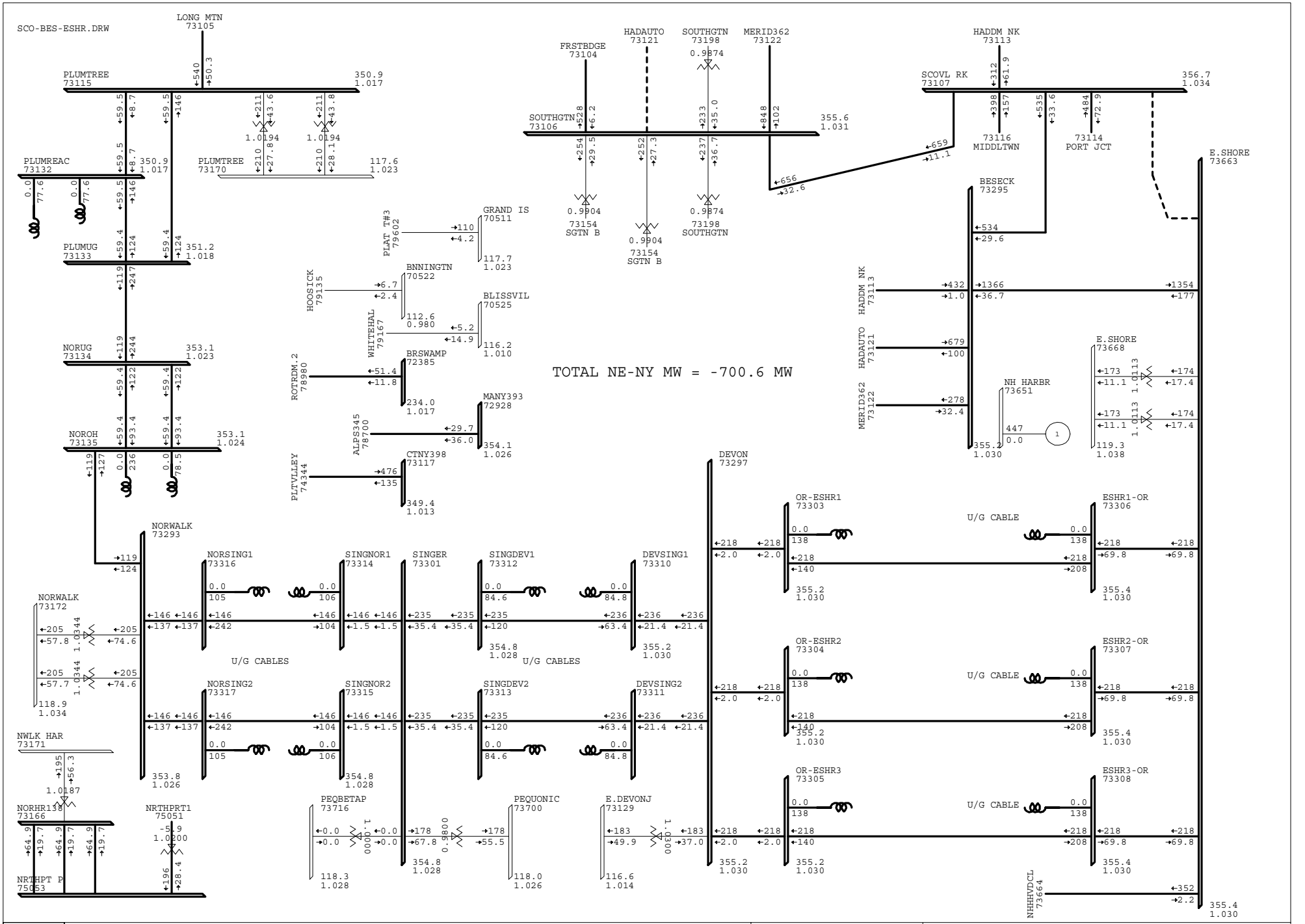
POWER TECHNOLOGIES INC.	ESB277-18G, 27.7GW LD, DISP 18,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS ON BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



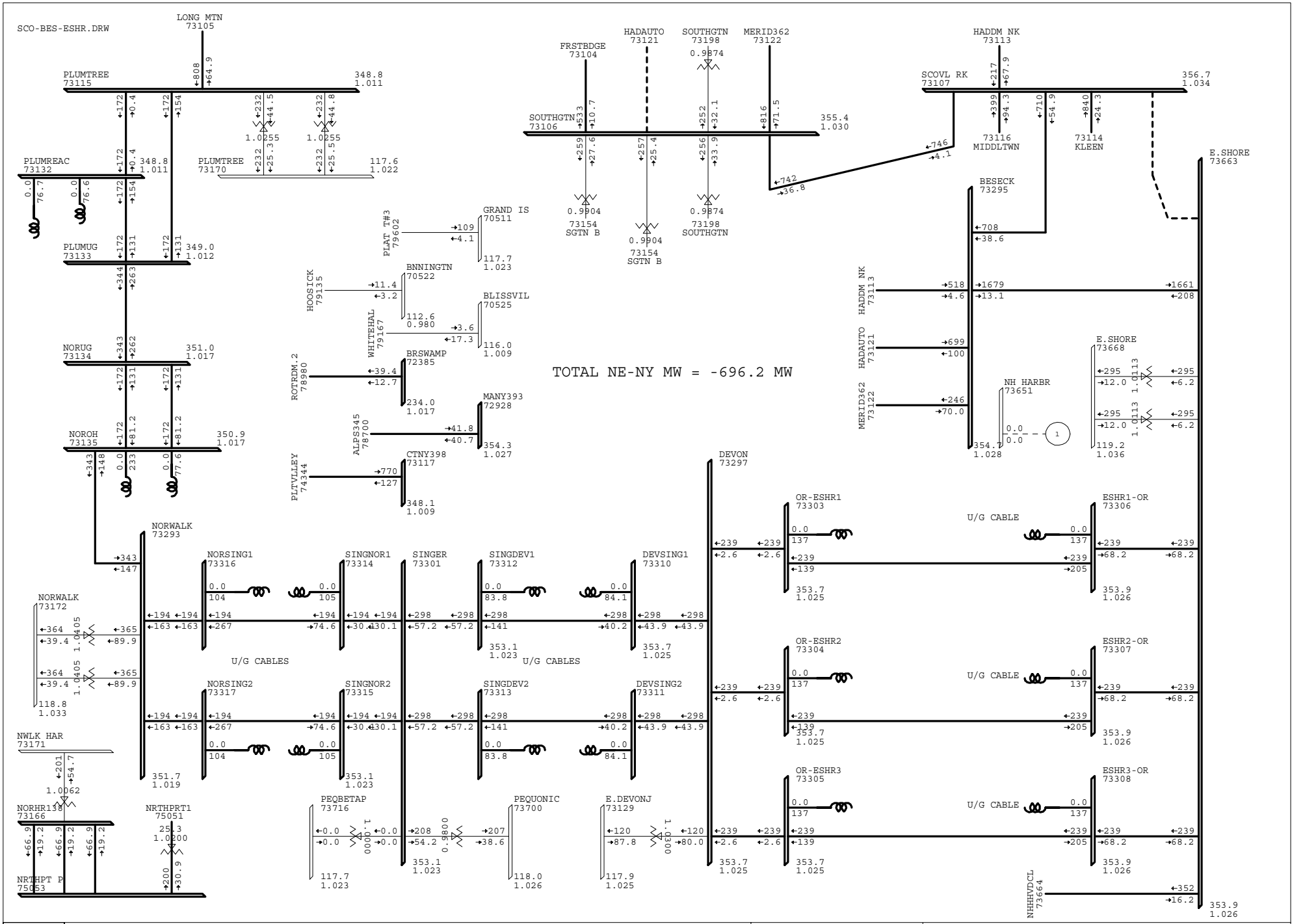
POWER TECHNOLOGIES INC.	ESB277-19G, 27.7GW LD, DISP 19,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS ON BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



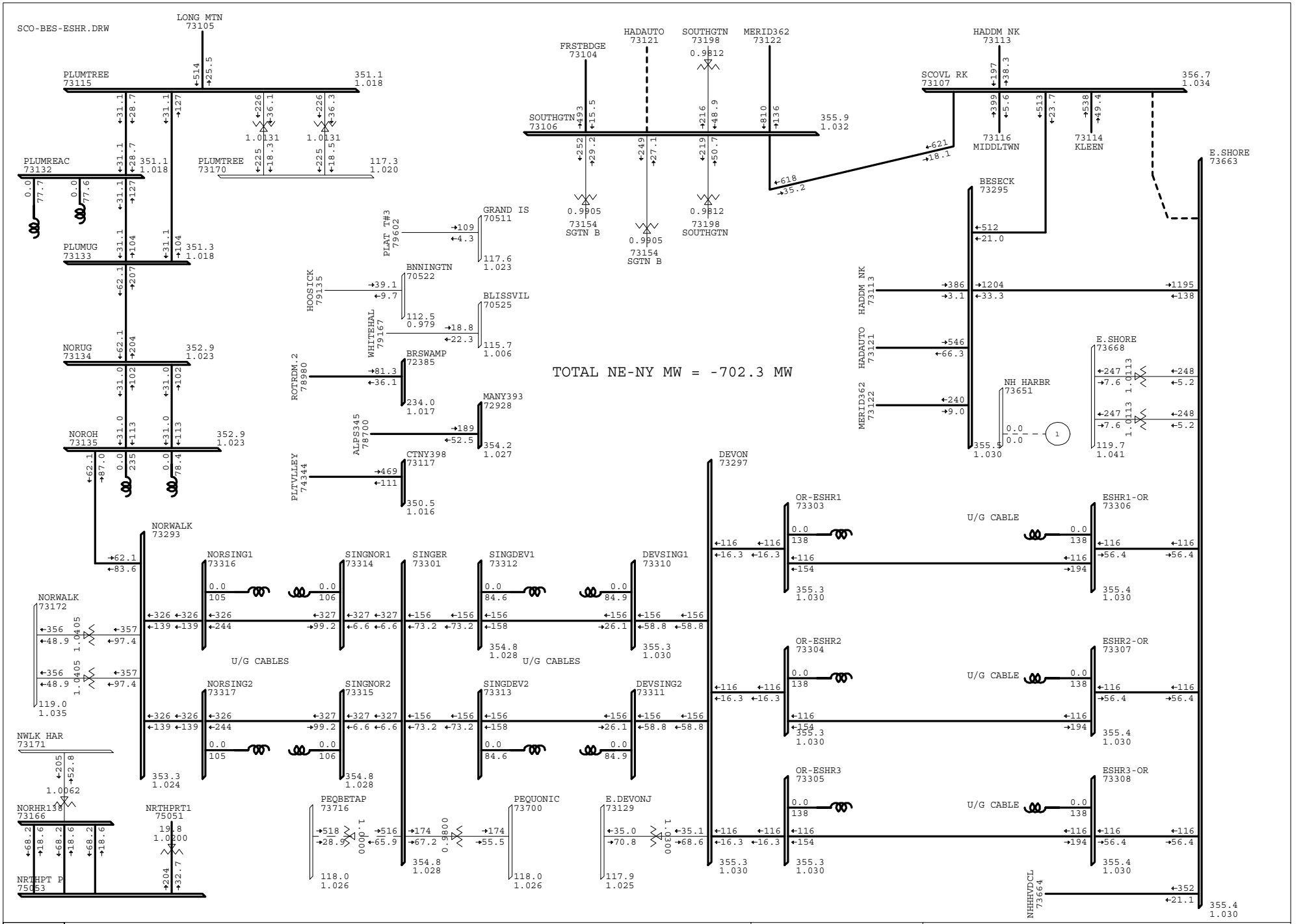
POWER TECHNOLOGIES INC.	ESB277-20G, 27.7GW LD, DISP 20,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS ON BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



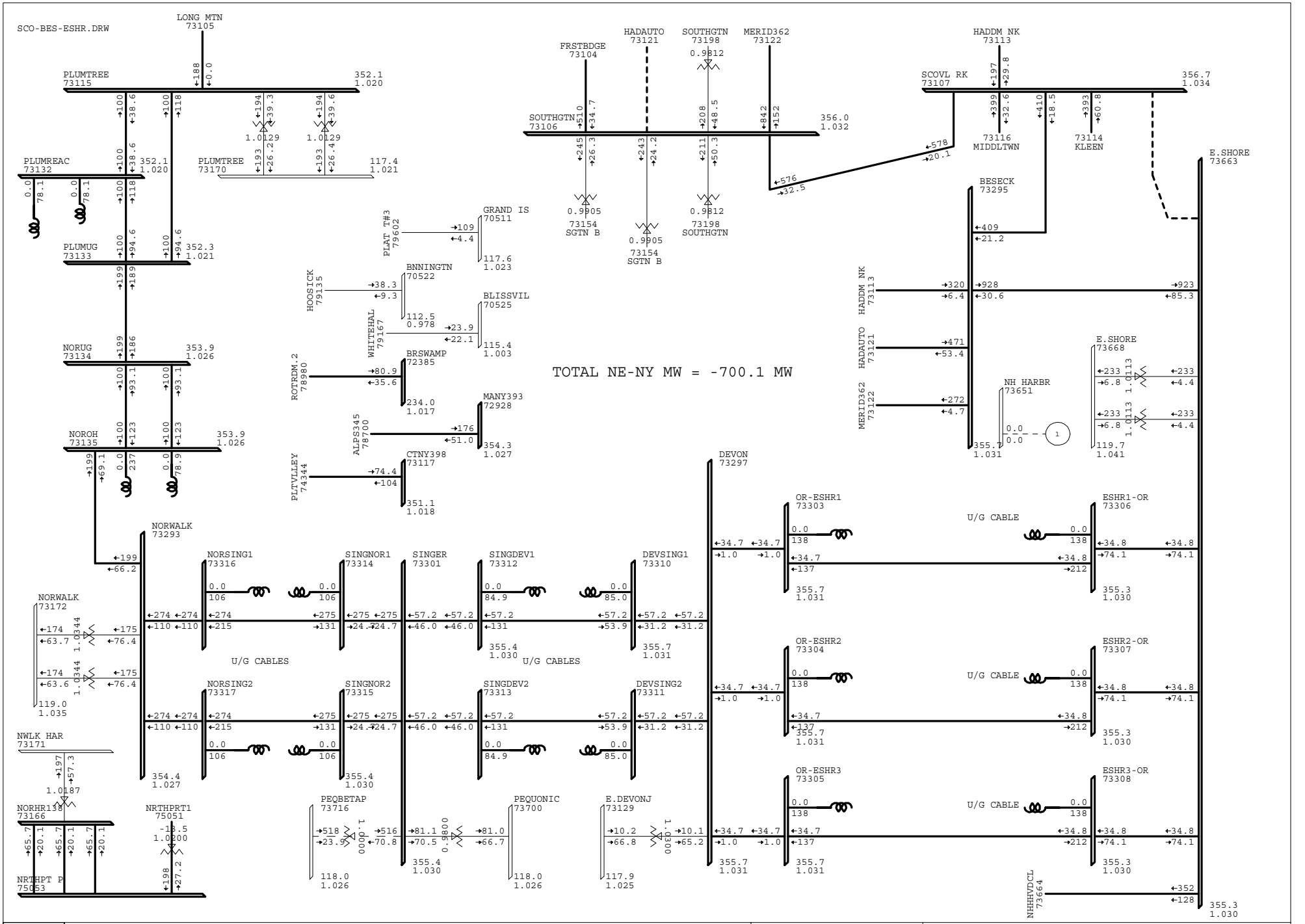
POWER TECHNOLOGIES INC.	ESB277-21G, 27.7GW LD, DISP 21,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS ON BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



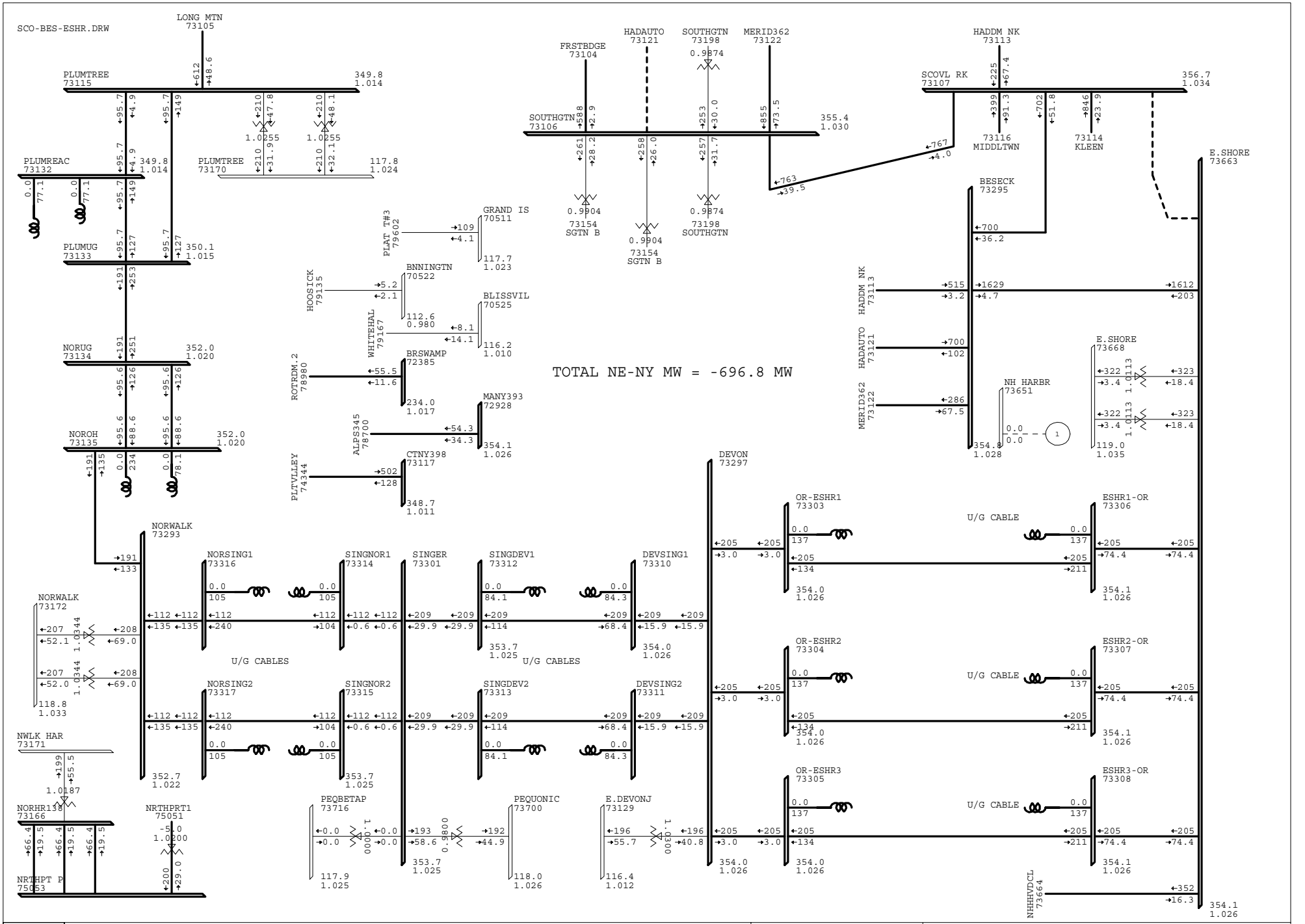
POWER TECHNOLOGIES INC.	ESB277-22G, 27.7GW LD, DISP 22,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



POWER TECHNOLOGIES INC.	ESB277-23G, 27.7GW LD, DISP 23,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



POWER TECHNOLOGIES INC.	ESB277-24G, 27.7GW LD, DISP 24,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR



POWER TECHNOLOGIES INC.	ESB277-25G, 27.7GW LD, DISP 25,SCO-BES-ESHR(GENESSSEE RECON) PH1-XP, PH2 HPFF NOR-SNG-DEV-ESH U/G, NY-NE 700, NHHS OFF BASE CASE WED, JUN 16 2004 17:25	100 % RATEA 0.950 UV 1.050 OV KV: ≤115	BUS - VOLTAGE(KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR

Appendix C

Contingency Files

- with NHHS On-Line

- with NHHS Off-Line

(only contingencies differing from those with NHHS on-line)

With NHHS On-Line

```
/include kleen.con            /if kleen station is modeled (series 6-9,14-17,22-25 only)
include no_kleen.con   /if kleen station is not modeled (seried 2-5,10-13,18-21 only)

CONTINGENCY 100LINE
OPEN LINE FROM BUS 73344 TO BUS 73343 CKT 1
END

CONTINGENCY 100+400LINES
OPEN LINE FROM BUS 73344 TO BUS 73343 CKT 1
OPEN LINE FROM BUS 73343 TO BUS 73345 CKT 1
OPEN LINE FROM BUS 73345 TO BUS 73615 CKT 1
OPEN LINE FROM BUS 73345 TO BUS 73617 CKT 1
END

CONTINGENCY 400LINE
OPEN LINE FROM BUS 73343 TO BUS 73345 CKT 1
OPEN LINE FROM BUS 73345 TO BUS 73615 CKT 1
OPEN LINE FROM BUS 73345 TO BUS 73617 CKT 1
END

CONTINGENCY 500LINE
OPEN LINE FROM BUS 73617 TO BUS 73616 CKT 1
END

CONTINGENCY 667-690LINE                      /Fallsvillage-Salisbury
OPEN LINE FROM BUS 73336 TO BUS 73337 CKT 1
END

CONTINGENCY 689LINE
OPEN LINE FROM BUS 73346 TO BUS 73336 CKT 1
END

CONTINGENCY 693LINE
OPEN LINE FROM BUS 73346 TO BUS 73336 CKT 2
END

CONTINGENCY 694LINE
OPEN LINE FROM BUS 73336 TO BUS 73335 CKT 1
END

CONTINGENCY 1000LINE
OPEN LINE FROM BUS 73210 TO BUS 73611 CKT 1
OPEN LINE FROM BUS 73612 TO BUS 73611 CKT 1
END

CONTINGENCY 1050LINE
OPEN LINE FROM BUS 73241 TO BUS 73269 CKT 1
END

CONTINGENCY 1050+1766LNS
OPEN LINE FROM BUS 73241 TO BUS 73269 CKT 1
OPEN LINE FROM BUS 73255 TO BUS 73269 CKT 1
END

CONTINGENCY 1060LINE
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73377 CKT 1
END

CONTINGENCY 1070LINE
OPEN LINE FROM BUS 73218 TO BUS 73291 CKT 1
END

CONTINGENCY 1070+1490LNS
OPEN LINE FROM BUS 73291 TO BUS 73218 CKT 1
OPEN LINE FROM BUS 73218 TO BUS 73215 CKT 1
END

CONTINGENCY 1080LINE
OPEN LINE FROM BUS 73214 TO BUS 73215 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73210 CKT 1
```

```
OPEN LINE FROM BUS 73214 TO BUS 73276 CKT 1
OPEN LINE FROM BUS 73276 TO BUS 73213 CKT 1
END

CONTINGENCY 1090LINE
OPEN LINE FROM BUS 73210 TO BUS 73291 CKT 1
END

CONTINGENCY 1100LINE
OPEN LINE FROM BUS 73219 TO BUS 73220 CKT 1
END

CONTINGENCY 1130LINE
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
END

CONTINGENCY 1130+1416LNS
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73286 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
END

CONTINGENCY 1163LINE
OPEN LINE FROM BUS 73204 TO BUS 73205 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73202 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73201 CKT 1
END

CONTINGENCY 1163+1910LNS
DISCONNECT BUS 73127
OPEN LINE FROM BUS 73204 TO BUS 73205 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73202 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73201 CKT 1
END

CONTINGENCY 1165LINE
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 2
OPEN LINE FROM BUS 73176 TO BUS 73383 CKT 1
END

CONTINGENCY 1191LINE
OPEN LINE FROM BUS 73202 TO BUS 73203 CKT 1
END

CONTINGENCY 1200LINE
OPEN LINE FROM BUS 73219 TO BUS 73222 CKT 1
END

CONTINGENCY 1206LINE
OPEN LINE FROM BUS 73230 TO BUS 73600 CKT 1
END

CONTINGENCY 1207LINE
OPEN LINE FROM BUS 73242 TO BUS 73250 CKT 1
END

CONTINGENCY 1208LINE
OPEN LINE FROM BUS 73198 TO BUS 73631 CKT 1
END

CONTINGENCY 1222LINE
OPEN LINE FROM BUS 73709 TO BUS 73711 CKT 1
OPEN LINE FROM BUS 73711 TO BUS 73710 CKT 2
END

CONTINGENCY 1235LINE
OPEN LINE FROM BUS 73210 TO BUS 73151 CKT 1
END

CONTINGENCY 1238LINE
OPEN LINE FROM BUS 73202 TO BUS 73180 CKT 1
```

```
END

CONTINGENCY 1238+1813LNS
OPEN LINE FROM BUS 73202 TO BUS 73180 CKT 1
OPEN LINE FROM BUS 73180 TO BUS 73190 CKT 1
END

CONTINGENCY 1250LINE
OPEN LINE FROM BUS 73210 TO BUS 73152 CKT 1
END

CONTINGENCY 1261LINE
OPEN LINE FROM BUS 73230 TO BUS 73231 CKT 1
END

CONTINGENCY 1270LINE
OPEN LINE FROM BUS 73170 TO BUS 73268 CKT 1
END

CONTINGENCY 1272LINE
OPEN LINE FROM BUS 73185 TO BUS 73183 CKT 1
END

CONTINGENCY 1272+1445LNS
OPEN LINE FROM BUS 73185 TO BUS 73183 CKT 1
OPEN LINE FROM BUS 73202 TO BUS 73183 CKT 1
END

CONTINGENCY 1280LINE
OPEN LINE FROM BUS 73216 TO BUS 73217 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73177 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73210 CKT 1
END

CONTINGENCY 1300LINE
OPEN LINE FROM BUS 73220 TO BUS 73222 CKT 1
OPEN LINE FROM BUS 73222 TO BUS 73539 CKT 1
END

CONTINGENCY 1310LINE
OPEN LINE FROM BUS 73283 TO BUS 73221 CKT 1
OPEN LINE FROM BUS 73242 TO BUS 73283 CKT 1
OPEN LINE FROM BUS 73283 TO BUS 73219 CKT 1
OPEN LINE FROM BUS 73221 TO BUS 73458 CKT 1
END

CONTINGENCY 1337LINE
OPEN LINE FROM BUS 73176 TO BUS 73268 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73377 CKT 2
END

CONTINGENCY 1342LINE
OPEN LINE FROM BUS 73231 TO BUS 73265 CKT 1
END

CONTINGENCY 1355LINE
OPEN LINE FROM BUS 73184 TO BUS 73634 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73182 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73198 CKT 1
END

CONTINGENCY ONE1385
OPEN LINE FROM BUS 73166 TO BUS 75053 CKT 1
END

CONTINGENCY 1385LN+AUTO
OPEN LINE FROM BUS 75051 TO BUS 75053 CKT 1
OPEN LINE FROM BUS 75053 TO BUS 73166 CKT 1
OPEN LINE FROM BUS 75053 TO BUS 73166 CKT 2
OPEN LINE FROM BUS 75053 TO BUS 73166 CKT 3
OPEN LINE FROM BUS 73166 TO BUS 73171 CKT 1
```

```
END

CONTINGENCY 1389LINE
OPEN LINE FROM BUS 73207 TO BUS 73172 CKT 1
END

CONTINGENCY 1394LINE
OPEN LINE FROM BUS 73266 TO BUS 72978 CKT 1
END

CONTINGENCY 1410LINE
OPEN LINE FROM BUS 73210 TO BUS 73613 CKT 1
END

CONTINGENCY 1416LINE
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
END

CONTINGENCY 1430LINE
DISCONNECT BUS 73714
END

CONTINGENCY 1440LINE
OPEN LINE FROM BUS 73168 TO BUS 73162 CKT 1
END

CONTINGENCY 1443LINE
OPEN LINE FROM BUS 73241 TO BUS 73264 CKT 1
END

CONTINGENCY 1443+1759LNS
OPEN LINE FROM BUS 73241 TO BUS 73264 CKT 1
OPEN LINE FROM BUS 73259 TO BUS 73264 CKT 1
END

CONTINGENCY 1445LINE
OPEN LINE FROM BUS 73202 TO BUS 73183 CKT 1
END

CONTINGENCY 1450LINE
OPEN LINE FROM BUS 73168 TO BUS 73167 CKT 1
END

CONTINGENCY 1460LINE
OPEN LINE FROM BUS 73287 TO BUS 73668 CKT 1
END

CONTINGENCY 1466LINE
OPEN LINE FROM BUS 73227 TO BUS 73633 CKT 1
END

CONTINGENCY 1470LINE
OPEN LINE FROM BUS 73172 TO BUS 73174 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73372 TO BUS 73143 CKT 1
END

CONTINGENCY 1490LINE
OPEN LINE FROM BUS 73215 TO BUS 73218 CKT 1
END

CONTINGENCY 1500LINE
OPEN LINE FROM BUS 73156 TO BUS 73150 CKT 1
OPEN LINE FROM BUS 73156 TO BUS 73149 CKT 1
OPEN LINE FROM BUS 73156 TO BUS 73210 CKT 1
END

CONTINGENCY 1505LINE
OPEN LINE FROM BUS 73213 TO BUS 73223 CKT 1
OPEN LINE FROM BUS 73223 TO BUS 73236 CKT 1
```

```
OPEN LINE FROM BUS 73236 TO BUS 73443 CKT 1
OPEN LINE FROM BUS 73223 TO BUS 73270 CKT 1
OPEN LINE FROM BUS 73476 TO BUS 73270 CKT 1
OPEN LINE FROM BUS 73270 TO BUS 73444 CKT 1
OPEN LINE FROM BUS 73475 TO BUS 73476 CKT 1
END

CONTINGENCY 1508LINE
OPEN LINE FROM BUS 73153 TO BUS 73265 CKT 1
END

CONTINGENCY 1515LINE
OPEN LINE FROM BUS 72972 TO BUS 73266 CKT 1
END

CONTINGENCY 1537LINE
OPEN LINE FROM BUS 73287 TO BUS 73153 CKT 1
END

CONTINGENCY 1545LINE
OPEN LINE FROM BUS 73126 TO BUS 73704 CKT 1
END

CONTINGENCY 1545+SPS
OPEN LINE FROM BUS 73126 TO BUS 73704 CKT 1
OPEN LINE FROM BUS 73705 TO BUS 73706 CKT 1
END

CONTINGENCY 1550LINE
OPEN LINE FROM BUS 73211 TO BUS 73200 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73181 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73202 CKT 1
END

CONTINGENCY 1550+1950LNS
DISCONNECT BUS 73128
OPEN LINE FROM BUS 73211 TO BUS 73200 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73181 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73202 CKT 1
END

CONTINGENCY 1560LINE
OPEN LINE FROM BUS 73704 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73187 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73706 TO BUS 73191 CKT 1
END

CONTINGENCY 1565LINE
DISCONNECT BUS 73155
OPEN LINE FROM BUS 73372 TO BUS 73146 CKT 1
END

CONTINGENCY 1570LINE
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
END

CONTINGENCY 1572LINE
OPEN LINE FROM BUS 73241 TO BUS 73249 CKT 1
END

CONTINGENCY 1572+1772LNS
OPEN LINE FROM BUS 73241 TO BUS 73249 CKT 1
OPEN LINE FROM BUS 73600 TO BUS 73249 CKT 1
END

CONTINGENCY 1575LINE
DISCONNECT BUS 73228
END
```

```
CONTINGENCY 1580LINE
OPEN LINE FROM BUS 73126 TO BUS 73199 CKT 1
END

CONTINGENCY 1585LINE
OPEN LINE FROM BUS 73185 TO BUS 73199 CKT 1
END

CONTINGENCY 1588LINE
OPEN LINE FROM BUS 73633 TO BUS 73634 CKT 1
END

CONTINGENCY 1594LINE
OPEN LINE FROM BUS 73705 TO BUS 73706 CKT 1
END

CONTINGENCY 1605LINE
OPEN LINE FROM BUS 73157 TO BUS 73238 CKT 1
OPEN LINE FROM BUS 73157 TO BUS 73239 CKT 1
OPEN LINE FROM BUS 73157 TO BUS 73210 CKT 1
END

CONTINGENCY 1607LINE
OPEN LINE FROM BUS 73213 TO BUS 73226 CKT 1
OPEN LINE FROM BUS 73226 TO BUS 73229 CKT 1
OPEN LINE FROM BUS 73226 TO BUS 73281 CKT 1
OPEN LINE FROM BUS 73212 TO BUS 73281 CKT 1
OPEN LINE FROM BUS 73229 TO BUS 73443 CKT 1
OPEN LINE FROM BUS 73212 TO BUS 73442 CKT 1
END

CONTINGENCY 1610LINE
OPEN LINE FROM BUS 73196 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73675 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73198 CKT 1
END

CONTINGENCY 1618LINE
OPEN LINE FROM BUS 73190 TO BUS 73179 CKT 1
END

CONTINGENCY 1620SLINE
OPEN LINE FROM BUS 73231 TO BUS 73230 CKT 2
END

CONTINGENCY 1620NLINE
OPEN LINE FROM BUS 73230 TO BUS 73241 CKT 1
END

CONTINGENCY 1622LINE
OPEN LINE FROM BUS 73178 TO BUS 73159 CKT 1
OPEN LINE FROM BUS 73178 TO BUS 73341 CKT 1
END

CONTINGENCY 1625LINE
OPEN LINE FROM BUS 73219 TO BUS 73161 CKT 1
END

CONTINGENCY 1630LINE
OPEN LINE FROM BUS 73631 TO BUS 73632 CKT 1
OPEN LINE FROM BUS 73632 TO BUS 73671 CKT 1
END

CONTINGENCY 1637LINE
OPEN LINE FROM BUS 73292 TO BUS 73158 CKT 1
OPEN LINE FROM BUS 73292 TO BUS 73172 CKT 2
END

CONTINGENCY 1640LINE
OPEN LINE FROM BUS 73195 TO BUS 73631 CKT 1
END
```

```
CONTINGENCY 1655LINE
OPEN LINE FROM BUS 73153 TO BUS 73671 CKT 1
END

CONTINGENCY 1668LINE
OPEN LINE FROM BUS 73185 TO BUS 73189 CKT 1
END

CONTINGENCY 1670LINE
OPEN LINE FROM BUS 73206 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73243 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73273 CKT 1
END

CONTINGENCY 1675LINE
OPEN LINE FROM BUS 73612 TO BUS 73213 CKT 1
END

CONTINGENCY 1685LINE
OPEN LINE FROM BUS 73195 TO BUS 73707 CKT 1
END

CONTINGENCY 1690LINE
OPEN LINE FROM BUS 73154 TO BUS 73193 CKT 1
OPEN LINE FROM BUS 73193 TO BUS 73197 CKT 1
END

CONTINGENCY 1704LINE
OPEN LINE FROM BUS 73246 TO BUS 73248 CKT 1
END

CONTINGENCY 1710LINE
OPEN LINE FROM BUS 73126 TO BUS 73225 CKT 1
OPEN LINE FROM BUS 73225 TO BUS 73700 CKT 2
OPEN LINE FROM BUS 73225 TO BUS 73709 CKT 1
END

CONTINGENCY 1720LINE
OPEN LINE FROM BUS 73172 TO BUS 73710 CKT 1
END

CONTINGENCY 1721LINE
OPEN LINE FROM BUS 73202 TO BUS 73189 CKT 1
END

CONTINGENCY 1722LINE
OPEN LINE FROM BUS 73248 TO BUS 73279 CKT 1
OPEN LINE FROM BUS 73261 TO BUS 73279 CKT 1
END

CONTINGENCY 1726LINE
OPEN LINE FROM BUS 73244 TO BUS 73247 CKT 1
END

CONTINGENCY 1730ALINE
OPEN LINE FROM BUS 73224 TO BUS 73158 CKT 1
END

CONTINGENCY 1730BLINE
OPEN LINE FROM BUS 73126 TO BUS 73224 CKT 1
END

CONTINGENCY 1730CLINE
OPEN LINE FROM BUS 73224 TO BUS 73700 CKT 1
END

CONTINGENCY 1732LINE
OPEN LINE FROM BUS 73263 TO BUS 73262 CKT 1
OPEN LINE FROM BUS 73263 TO BUS 73260 CKT 1
OPEN LINE FROM BUS 73263 TO BUS 73203 CKT 1
```

```
END

CONTINGENCY 1740LINE
OPEN LINE FROM BUS 73162 TO BUS 73163 CKT 1
END

CONTINGENCY 1750LINE
OPEN LINE FROM BUS 73167 TO BUS 73144 CKT 1
OPEN LINE FROM BUS 73144 TO BUS 73163 CKT 1
END

CONTINGENCY 1751LINE
OPEN LINE FROM BUS 73251 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73261 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73242 CKT 1
END

CONTINGENCY 1752LINE
OPEN LINE FROM BUS 73243 TO BUS 73257 CKT 1
END

CONTINGENCY 1753LINE
OPEN LINE FROM BUS 73168 TO BUS 73145 CKT 1
END

CONTINGENCY 1756LINE
OPEN LINE FROM BUS 73258 TO BUS 73261 CKT 1
END

CONTINGENCY 1759LINE
OPEN LINE FROM BUS 73259 TO BUS 73264 CKT 1
END

CONTINGENCY 1760LINE                          /Newtown-Plumtree
OPEN LINE FROM BUS 73194 TO BUS 73170 CKT 1
END

CONTINGENCY 1760+1876LNS                     /Stevenson-SandyHook-Newtown-Plumtree
OPEN LINE FROM BUS 73187 TO BUS 73282 CKT 1
OPEN LINE FROM BUS 73282 TO BUS 73194 CKT 1
OPEN LINE FROM BUS 73194 TO BUS 73170 CKT 1
END

CONTINGENCY 1763LINE
OPEN LINE FROM BUS 73242 TO BUS 73284 CKT 1
OPEN LINE FROM BUS 73284 TO BUS 73219 CKT 1
OPEN LINE FROM BUS 73284 TO BUS 73131 CKT 1
OPEN LINE FROM BUS 73131 TO BUS 73458 CKT 1
END

CONTINGENCY 1765LINE
OPEN LINE FROM BUS 73243 TO BUS 73255 CKT 1
END

CONTINGENCY 1766LINE
OPEN LINE FROM BUS 73255 TO BUS 73269 CKT 1
END

CONTINGENCY 1767LINE
OPEN LINE FROM BUS 73242 TO BUS 73259 CKT 1
END

CONTINGENCY 1769LINE
OPEN LINE FROM BUS 73243 TO BUS 73256 CKT 1
END

CONTINGENCY 1770LINE
OPEN LINE FROM BUS 73170 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73159 CKT 1
END
```

```
CONTINGENCY 1771LINE
OPEN LINE FROM BUS 73198 TO BUS 73243 CKT 1
END

CONTINGENCY 1772LINE
OPEN LINE FROM BUS 73600 TO BUS 73249 CKT 1
END

CONTINGENCY 1773LINE
OPEN LINE FROM BUS 73246 TO BUS 73257 CKT 1
END

CONTINGENCY 1775LINE
OPEN LINE FROM BUS 73253 TO BUS 73246 CKT 1
OPEN LINE FROM BUS 73253 TO BUS 73274 CKT 1
OPEN LINE FROM BUS 73253 TO BUS 73242 CKT 1
OPEN LINE FROM BUS 73274 TO BUS 73537 CKT 1
END

CONTINGENCY 1777LINE
OPEN LINE FROM BUS 73244 TO BUS 73258 CKT 1
END

CONTINGENCY 1779LINE
OPEN LINE FROM BUS 73246 TO BUS 73258 CKT 1
END

CONTINGENCY 1780LINE
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
END

CONTINGENCY 1783LINE
OPEN LINE FROM BUS 73254 TO BUS 73247 CKT 1
OPEN LINE FROM BUS 73254 TO BUS 73256 CKT 1
END

CONTINGENCY 1784LINE
OPEN LINE FROM BUS 73244 TO BUS 73288 CKT 1
OPEN LINE FROM BUS 73288 TO BUS 73262 CKT 1
END

CONTINGENCY 1785LINE
OPEN LINE FROM BUS 73243 TO BUS 73254 CKT 1
END

CONTINGENCY 1786LINE
OPEN LINE FROM BUS 73252 TO BUS 73246 CKT 1
OPEN LINE FROM BUS 73252 TO BUS 73275 CKT 1
OPEN LINE FROM BUS 73252 TO BUS 73250 CKT 1
END

CONTINGENCY 1788LINE
OPEN LINE FROM BUS 73245 TO BUS 73260 CKT 1
END

CONTINGENCY 1790LINE
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
END

CONTINGENCY 1792LINE
OPEN LINE FROM BUS 73168 TO BUS 73145 CKT 2
END

CONTINGENCY 1800-1860LNS
OPEN LINE FROM BUS 73208 TO BUS 73154 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73148 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73232 CKT 1
END

CONTINGENCY 1810LINE
OPEN LINE FROM BUS 73234 TO BUS 73233 CKT 1
```

```
OPEN LINE FROM BUS 73234 TO BUS 73235 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73154 CKT 1
END

CONTINGENCY 1813LINE
OPEN LINE FROM BUS 73180 TO BUS 73190 CKT 1
END

CONTINGENCY 1820LINE
OPEN LINE FROM BUS 73175 TO BUS 73154 CKT 1
END

CONTINGENCY 1821LINE
OPEN LINE FROM BUS 73244 TO BUS 72991 CKT 1
END

CONTINGENCY 1825LINE
OPEN LINE FROM BUS 73232 TO BUS 73233 CKT 1
END

CONTINGENCY 1830LINE
OPEN LINE FROM BUS 73272 TO BUS 73198 CKT 1
END

CONTINGENCY 1835LINE
OPEN LINE FROM BUS 73235 TO BUS 73240 CKT 1
END

CONTINGENCY 1836LINE
OPEN LINE FROM BUS 73244 TO BUS 72992 CKT 1
END

CONTINGENCY 1867LINE
OPEN LINE FROM BUS 73171 TO BUS 73271 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73271 CKT 1
OPEN LINE FROM BUS 73207 TO BUS 73271 CKT 1
END

CONTINGENCY 1870LINE
OPEN LINE FROM BUS 73177 TO BUS 73285 CKT 1
OPEN LINE FROM BUS 73285 TO BUS 72581 CKT 1
END

CONTINGENCY 1876LINE                          /Stevenson-SandyHook-Newtown
OPEN LINE FROM BUS 73187 TO BUS 73282 CKT 1
OPEN LINE FROM BUS 73282 TO BUS 73194 CKT 1
END

CONTINGENCY 1880LINE
OPEN LINE FROM BUS 73172 TO BUS 73169 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73169 CKT 1
OPEN LINE FROM BUS 73171 TO BUS 73169 CKT 1
END

CONTINGENCY 1887LINE
OPEN LINE FROM BUS 73179 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
END

CONTINGENCY 1890LINE
OPEN LINE FROM BUS 73171 TO BUS 73237 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73173 CKT 1
END

CONTINGENCY 1900LINE
OPEN LINE FROM BUS 73203 TO BUS 73245 CKT 1
END

CONTINGENCY 1910LINE
DISCONNECT BUS 73127
```

```
END

CONTINGENCY 1921LINE
OPEN LINE FROM BUS 73203 TO BUS 73240 CKT 1
END

CONTINGENCY 1950LINE
DISCONNECT BUS 73128
END

CONTINGENCY 1975LINE
OPEN LINE FROM BUS 73230 TO BUS 73227 CKT 1
END

CONTINGENCY 1977LINENEW
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
END

CONTINGENCY 1990LINE
DISCONNECT BUS 73164
END

CONTINGENCY 8100LINE
OPEN LINE FROM BUS 73669 TO BUS 73679 CKT 1
OPEN LINE FROM BUS 73679 TO BUS 73668 CKT 1
END

CONTINGENCY 8200LINE
OPEN LINE FROM BUS 73668 TO BUS 73669 CKT 2
END

CONTINGENCY 8300LINE
OPEN LINE FROM BUS 73670 TO BUS 73676 CKT 1
END

CONTINGENCY 8400LINE
OPEN LINE FROM BUS 73669 TO BUS 73672 CKT 1
END

CONTINGENCY 8500LINE
OPEN LINE FROM BUS 73680 TO BUS 73669 CKT 1
END

CONTINGENCY 8600LINE
OPEN LINE FROM BUS 73670 TO BUS 73671 CKT 1
END

CONTINGENCY 8700LINE
OPEN LINE FROM BUS 73681 TO BUS 73680 CKT 1
END

CONTINGENCY 8804ALINE
OPEN LINE FROM BUS 73686 TO BUS 73684 CKT 1
END

CONTINGENCY 8809ALINE-1
OPEN LINE FROM BUS 73700 TO BUS 73696 CKT 1
END

CONTINGENCY 8809ALINE-2
OPEN LINE FROM BUS 73694 TO BUS 73712 CKT 1
END

CONTINGENCY 8904BLINE
OPEN LINE FROM BUS 73687 TO BUS 73685 CKT 1
END

CONTINGENCY 8909BLINE-1
OPEN LINE FROM BUS 73700 TO BUS 73697 CKT 1
```

```
END

CONTINGENCY 8909BLINE-2
OPEN LINE FROM BUS 73695 TO BUS 73713 CKT 1
END

CONTINGENCY 9500LINE
OPEN LINE FROM BUS 73678 TO BUS 73680 CKT 1
END

CONTINGENCY 9502LINE
OPEN LINE FROM BUS 73678 TO BUS 73676 CKT 1
END

CONTINGENCY 84004LINE
OPEN LINE FROM BUS 73672 TO BUS 73673 CKT 1
OPEN LINE FROM BUS 73673 TO BUS 73675 CKT 1
END

CONTINGENCY 88003ALINE
OPEN LINE FROM BUS 73681 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73681 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73684 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73742 CKT 1
END

CONTINGENCY 88003ALINE-1
OPEN LINE FROM BUS 73681 TO BUS 73669 CKT 1
END

CONTINGENCY 88003ALINE-2
OPEN LINE FROM BUS 73682 TO BUS 73681 CKT 1
END

CONTINGENCY 88003ALINE-3
OPEN LINE FROM BUS 73682 TO BUS 73684 CKT 1
END

CONTINGENCY 88005ALINE
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
OPEN LINE FROM BUS 73690 TO BUS 73688 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73686 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73748 CKT 1
END

CONTINGENCY 88005ALINE-1
OPEN LINE FROM BUS 73688 TO BUS 73686 CKT 1
END

CONTINGENCY 88005ALINE-2
OPEN LINE FROM BUS 73690 TO BUS 73688 CKT 1
END

CONTINGENCY 88006ALINE
OPEN LINE FROM BUS 73690 TO BUS 73692 CKT 1
OPEN LINE FROM BUS 73692 TO BUS 73694 CKT 1
OPEN LINE FROM BUS 73694 TO BUS 73754 CKT 1
OPEN LINE FROM BUS 73692 TO BUS 73752 CKT 1
END

CONTINGENCY 89003BLINE
OPEN LINE FROM BUS 73669 TO BUS 73681 CKT 2
OPEN LINE FROM BUS 73681 TO BUS 73683 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73685 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73742 CKT 1
END

CONTINGENCY 89003BLINE-1
OPEN LINE FROM BUS 73669 TO BUS 73681 CKT 2
END
```

```
CONTINGENCY 89003BLINE-2
OPEN LINE FROM BUS 73681 TO BUS 73683 CKT 1
END

CONTINGENCY 89003BLINE-3
OPEN LINE FROM BUS 73683 TO BUS 73685 CKT 1
END

CONTINGENCY 89005BLINE
OPEN LINE FROM BUS 73691 TO BUS 73689 CKT 1
OPEN LINE FROM BUS 73689 TO BUS 73687 CKT 1
OPEN LINE FROM BUS 73689 TO BUS 73748 CKT 1
END

CONTINGENCY 89005BLINE-1
OPEN LINE FROM BUS 73689 TO BUS 73687 CKT 1
END

CONTINGENCY 89005BLINE-2
OPEN LINE FROM BUS 73691 TO BUS 73689 CKT 1
END

CONTINGENCY 89006BLINE
OPEN LINE FROM BUS 73691 TO BUS 73693 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73752 CKT 1
OPEN LINE FROM BUS 73695 TO BUS 73754 CKT 1
END

CONTINGENCY 89006BLINE-1
OPEN LINE FROM BUS 73691 TO BUS 73693 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73752 CKT 1
OPEN LINE FROM BUS 73695 TO BUS 73754 CKT 1
END

CONTINGENCY 91001LINE
OPEN LINE FROM BUS 73701 TO BUS 73702 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73701 CKT 1
OPEN LINE FROM BUS 73703 TO BUS 73701 CKT 1
END

CONTINGENCY 301-302LNS
OPEN LINE FROM BUS 72925 TO BUS 72929 CKT 1
OPEN LINE FROM BUS 72929 TO BUS 71796 CKT 1
OPEN LINE FROM BUS 71796 TO BUS 71797 CKT 1
OPEN LINE FROM BUS 72925 TO BUS 72972 CKT 1
END

CONTINGENCY 310LINE
OPEN LINE FROM BUS 73110 TO BUS 73112 CKT 1
END

CONTINGENCY 312LINE
OPEN LINE FROM BUS 72928 TO BUS 72924 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72952 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72926 CKT 1
END

CONTINGENCY 312+393LNS
OPEN LINE FROM BUS 72928 TO BUS 72924 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72952 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72926 CKT 1
END

CONTINGENCY 312+393REAC
OPEN LINE FROM BUS 72926 TO BUS 72924 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72928 CKT 1
OPEN LINE FROM BUS 72928 TO BUS 78700 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72952 CKT 1
```

```
OPEN LINE FROM BUS 70508 TO BUS 70509 CKT 2
END

CONTINGENCY 318LINE
OPEN LINE FROM BUS 73106 TO BUS 73122 CKT 1
END

CONTINGENCY 321LINE
OPEN LINE FROM BUS 73105 TO BUS 73115 CKT 1
END

CONTINGENCY 329LINE
OPEN LINE FROM BUS 73106 TO BUS 73104 CKT 1
END

CONTINGENCY 330LINE
OPEN LINE FROM BUS 73108 TO BUS 73119 CKT 1
END

CONTINGENCY 330+LAKE
OPEN LINE FROM BUS 73108 TO BUS 73119 CKT 1
OPEN LINE FROM BUS 73119 TO BUS 73565 CKT 1
OPEN LINE FROM BUS 73119 TO BUS 73566 CKT 1
OPEN LINE FROM BUS 73119 TO BUS 73567 CKT 1
END

CONTINGENCY 347LINE
OPEN LINE FROM BUS 73119 TO BUS 73118 CKT 1
OPEN LINE FROM BUS 73118 TO BUS 71336 CKT 1
END

CONTINGENCY 347LREAC
OPEN LINE FROM BUS 73119 TO BUS 73118 CKT 1
OPEN LINE FROM BUS 73118 TO BUS 71336 CKT 1
OPEN LINE FROM BUS 70508 TO BUS 70509 CKT 2
END

CONTINGENCY 347+LAKE
OPEN LINE FROM BUS 73119 TO BUS 73118 CKT 1
OPEN LINE FROM BUS 73118 TO BUS 71336 CKT 1
OPEN LINE FROM BUS 73119 TO BUS 73565 CKT 1
OPEN LINE FROM BUS 73119 TO BUS 73566 CKT 1
OPEN LINE FROM BUS 73119 TO BUS 73567 CKT 1
END

/CONTINGENCY 348LINE ** revised
/OPEN LINE FROM BUS 73110 TO BUS 73106 CKT 1
/END

CONTINGENCY 348LINE
DISCONNECT BUS 73121
END

CONTINGENCY 348NLINE   /added for ESA configuration by Manos
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
END

/CONTINGENCY 348+AUTO * revised
/OPEN LINE FROM BUS 73110 TO BUS 73106 CKT 1
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

/CONTINGENCY 348+AUTO /* added for Phase 2/ removed by Manos for ESA configuration
/disconnect bus 73121
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

CONTINGENCY 348N+AUTO  /added for ESA configuration by Manos
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
END
```

```
CONTINGENCY 352LINE
OPEN LINE FROM BUS 73104 TO BUS 73105 CKT 1
END

CONTINGENCY 352+AUTO
OPEN LINE FROM BUS 73104 TO BUS 73105 CKT 1
OPEN LINE FROM BUS 73104 TO BUS 73202 CKT 1
END

CONTINGENCY 354LINE
OPEN LINE FROM BUS 72926 TO BUS 72925 CKT 1
END

/CONTINGENCY 362LINE   /contingency removed by Manos
/OPEN LINE FROM BUS 73113 TO BUS 73122 CKT 1
/END

CONTINGENCY 364+AUTO
OPEN LINE FROM BUS 73109 TO BUS 73210 CKT 1
OPEN LINE FROM BUS 73109 TO BUS 73113 CKT 1
END

CONTINGENCY 368LINE
OPEN LINE FROM BUS 73108 TO BUS 73112 CKT 1
END

CONTINGENCY 371LINE
OPEN LINE FROM BUS 73109 TO BUS 73110 CKT 1
END

CONTINGENCY 371+AUTO
OPEN LINE FROM BUS 73109 TO BUS 73110 CKT 1
OPEN LINE FROM BUS 73109 TO BUS 73210 CKT 1
END

CONTINGENCY 376LINE
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
END

CONTINGENCY 381LINE
OPEN LINE FROM BUS 72926 TO BUS 72927 CKT 1
OPEN LINE FROM BUS 72927 TO BUS 70486 CKT 1
END

CONTINGENCY 381LREAC
OPEN LINE FROM BUS 72926 TO BUS 72927 CKT 1
OPEN LINE FROM BUS 72927 TO BUS 70486 CKT 1
OPEN LINE FROM BUS 70508 TO BUS 70509 CKT 2
END

CONTINGENCY 383LINE
OPEN LINE FROM BUS 73110 TO BUS 73108 CKT 1
END

CONTINGENCY 384LINE
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

/CONTINGENCY 387LINE ** removed
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73664 CKT 1
/END

/* removed for ESB series
/CONTINGENCY 387LINE /* revised for Phase 2
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/DISCONNECT BUS 73664
/DISCONNECT BUS 73665
/DISCONNECT BUS 75073
```

```
/END

CONTINGENCY 387NLINE /* added for ESB series
OPEN LINE FROM BUS 73107 TO BUS 73295 CKT 1
END

CONTINGENCY 387SLINE /* added for ESB series
OPEN LINE FROM BUS 73295 TO BUS 73663 CKT 1
DISCONNECT BUS 73664
DISCONNECT BUS 73665
DISCONNECT BUS 75073
END

/CONTINGENCY 387+AUTO ** removed for Phase 2
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 2
/OPEN LINE FROM BUS 73663 TO BUS 73664 CKT 1
/END

CONTINGENCY 393LINE
OPEN LINE FROM BUS 72928 TO BUS 78700 CKT 1
END

CONTINGENCY 395LINE
OPEN LINE FROM BUS 73112 TO BUS 73103 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
OPEN LINE FROM BUS 73111 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 72925 CKT 1
END

CONTINGENCY 395+AUTO
OPEN LINE FROM BUS 73112 TO BUS 73103 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 72925 CKT 1
OPEN LINE FROM BUS 72925 TO BUS 72972 CKT 1
OPEN LINE FROM BUS 73111 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
END

CONTINGENCY 398LINE
OPEN LINE FROM BUS 73105 TO BUS 73117 CKT 1
OPEN LINE FROM BUS 73117 TO BUS 74344 CKT 1
END

CONTINGENCY 398LREAC
OPEN LINE FROM BUS 73105 TO BUS 73117 CKT 1
OPEN LINE FROM BUS 70508 TO BUS 70509 CKT 2
OPEN LINE FROM BUS 73117 TO BUS 74344 CKT 1
END

CONTINGENCY PLUMNOR
DISCONNECT BUS 73132
DISCONNECT BUS 73133
DISCONNECT BUS 73134
DISCONNECT BUS 73135
END

CONTINGENCY PLUMNOR+AUTO
DISCONNECT BUS 73132
DISCONNECT BUS 73133
DISCONNECT BUS 73134
DISCONNECT BUS 73135
OPEN LINE FROM BUS 73293 TO BUS 73172 CKT 1
END

CONTINGENCY NORAUTO
OPEN LINE FROM BUS 73293 TO BUS 73172 CKT 1
END

CONTINGENCY 1000-1090DCT
OPEN LINE FROM BUS 73210 TO BUS 73611 CKT 1
```

```
OPEN LINE FROM BUS 73611 TO BUS 73612 CKT 1
OPEN LINE FROM BUS 73210 TO BUS 73291 CKT 1
END

CONTINGENCY 1060-1165DCT
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 1
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 2
END

CONTINGENCY 1060-1270DCT
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 1
OPEN LINE FROM BUS 73170 TO BUS 73268 CKT 1
END

CONTINGENCY 1070-1080DCT
OPEN LINE FROM BUS 73214 TO BUS 73215 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73210 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73276 CKT 1
OPEN LINE FROM BUS 73276 TO BUS 73213 CKT 1
OPEN LINE FROM BUS 73291 TO BUS 73218 CKT 1
OPEN LINE FROM BUS 73215 TO BUS 73218 CKT 1
END

CONTINGENCY 1080-1280DCT
OPEN LINE FROM BUS 73214 TO BUS 73215 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73210 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73276 CKT 1
OPEN LINE FROM BUS 73276 TO BUS 73213 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73217 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73177 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73210 CKT 1
END

CONTINGENCY 1080-1490DCT
OPEN LINE FROM BUS 73214 TO BUS 73215 CKT 1
OPEN LINE FROM BUS 73210 TO BUS 73214 CKT 1
OPEN LINE FROM BUS 73215 TO BUS 73218 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73276 CKT 1
OPEN LINE FROM BUS 73276 TO BUS 73213 CKT 1
END

CONTINGENCY 1100-1200DCT
OPEN LINE FROM BUS 73219 TO BUS 73220 CKT 1
OPEN LINE FROM BUS 73219 TO BUS 73222 CKT 1
END

CONTINGENCY 1100-1300DCT
OPEN LINE FROM BUS 73219 TO BUS 73220 CKT 1
OPEN LINE FROM BUS 73220 TO BUS 73222 CKT 1
OPEN LINE FROM BUS 73222 TO BUS 73539 CKT 1
END

CONTINGENCY 1130-1430DCT
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
DISCONNECT BUS 73714
END

CONTINGENCY 113091001DCT
OPEN LINE FROM BUS 73701 TO BUS 73702 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73701 CKT 1
OPEN LINE FROM BUS 73703 TO BUS 73701 CKT 1
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
END

CONTINGENCY 1163-1550D-2
DISCONNECT BUS 73127
OPEN LINE FROM BUS 73204 TO BUS 73205 CKT 1
```

```
OPEN LINE FROM BUS 73205 TO BUS 73201 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73202 CKT 1
DISCONNECT BUS 73128
OPEN LINE FROM BUS 73211 TO BUS 73200 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73181 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73202 CKT 1
END

CONTINGENCY 1207-1775DCT
OPEN LINE FROM BUS 73242 TO BUS 73250 CKT 1
OPEN LINE FROM BUS 73242 TO BUS 73253 CKT 1
OPEN LINE FROM BUS 73253 TO BUS 73246 CKT 1
OPEN LINE FROM BUS 73253 TO BUS 73274 CKT 1
OPEN LINE FROM BUS 73274 TO BUS 73537 CKT 1
END

CONTINGENCY 1208-1640DCT
OPEN LINE FROM BUS 73198 TO BUS 73631 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73631 CKT 1
END

CONTINGENCY 1222-1730ADC
OPEN LINE FROM BUS 73709 TO BUS 73711 CKT 1
OPEN LINE FROM BUS 73711 TO BUS 73710 CKT 2
OPEN LINE FROM BUS 73224 TO BUS 73158 CKT 1
END

CONTINGENCY 1261-1620DCT
OPEN LINE FROM BUS 73231 TO BUS 73230 CKT 1
OPEN LINE FROM BUS 73231 TO BUS 73230 CKT 2
END

CONTINGENCY 1272-1721DCT
OPEN LINE FROM BUS 73185 TO BUS 73183 CKT 1
OPEN LINE FROM BUS 73202 TO BUS 73183 CKT 1
OPEN LINE FROM BUS 73202 TO BUS 73189 CKT 1
END

CONTINGENCY 1280-1870DCT
OPEN LINE FROM BUS 73216 TO BUS 73177 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73210 CKT 1
OPEN LINE FROM BUS 73177 TO BUS 73285 CKT 1
OPEN LINE FROM BUS 73216 TO BUS 73217 CKT 1
OPEN LINE FROM BUS 73285 TO BUS 72581 CKT 1
END

CONTINGENCY 1310-1763DCT
OPEN LINE FROM BUS 73242 TO BUS 73284 CKT 1
OPEN LINE FROM BUS 73284 TO BUS 73219 CKT 1
OPEN LINE FROM BUS 73284 TO BUS 73131 CKT 1
OPEN LINE FROM BUS 73131 TO BUS 73458 CKT 1
OPEN LINE FROM BUS 73283 TO BUS 73221 CKT 1
OPEN LINE FROM BUS 73242 TO BUS 73283 CKT 1
OPEN LINE FROM BUS 73283 TO BUS 73219 CKT 1
OPEN LINE FROM BUS 73221 TO BUS 73458 CKT 1
END

CONTINGENCY 1355-1610DCT
OPEN LINE FROM BUS 73184 TO BUS 73634 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73182 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73675 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73198 CKT 1
END

CONTINGENCY 1389-1880DCT
OPEN LINE FROM BUS 73172 TO BUS 73207 CKT 1
OPEN LINE FROM BUS 73172 TO BUS 73169 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73169 CKT 1
OPEN LINE FROM BUS 73171 TO BUS 73169 CKT 1
```

```
END

CONTINGENCY 1394-1515DCT
OPEN LINE FROM BUS 72978 TO BUS 73266 CKT 1
OPEN LINE FROM BUS 73266 TO BUS 72972 CKT 1
END

CONTINGENCY 1416-1867DCT
OPEN LINE FROM BUS 73271 TO BUS 73207 CKT 1
OPEN LINE FROM BUS 73271 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73271 TO BUS 73171 CKT 1
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
END

CONTINGENCY 1416-1880DCT
OPEN LINE FROM BUS 73169 TO BUS 73172 CKT 1
OPEN LINE FROM BUS 73169 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73169 TO BUS 73171 CKT 1
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
END

CONTINGENCY 1416-1890DCT
OPEN LINE FROM BUS 73237 TO BUS 73173 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73171 CKT 1
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
END

CONTINGENCY 1440-1450DCT
OPEN LINE FROM BUS 73168 TO BUS 73162 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73167 CKT 1
END

CONTINGENCY 1470-1565DCT
OPEN LINE FROM BUS 73172 TO BUS 73174 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73372 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73155 CKT 1
OPEN LINE FROM BUS 73155 TO BUS 73170 CKT 1
OPEN LINE FROM BUS 73155 TO BUS 73146 CKT 1
OPEN LINE FROM BUS 73372 TO BUS 73146 CKT 1
END

CONTINGENCY 1470-1637DCT
OPEN LINE FROM BUS 73172 TO BUS 73174 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73372 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73292 TO BUS 73158 CKT 1
OPEN LINE FROM BUS 73292 TO BUS 73172 CKT 2
END

CONTINGENCY 1470-1720DCT
OPEN LINE FROM BUS 73172 TO BUS 73174 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73372 TO BUS 73143 CKT 1
OPEN LINE FROM BUS 73710 TO BUS 73172 CKT 1
END

CONTINGENCY 1505-1607DCT
OPEN LINE FROM BUS 73213 TO BUS 73223 CKT 1
OPEN LINE FROM BUS 73223 TO BUS 73236 CKT 1
OPEN LINE FROM BUS 73236 TO BUS 73443 CKT 1
OPEN LINE FROM BUS 73223 TO BUS 73270 CKT 1
OPEN LINE FROM BUS 73476 TO BUS 73270 CKT 1
OPEN LINE FROM BUS 73270 TO BUS 73444 CKT 1
```

```
OPEN LINE FROM BUS 73475 TO BUS 73476 CKT 1
OPEN LINE FROM BUS 73213 TO BUS 73226 CKT 1
OPEN LINE FROM BUS 73226 TO BUS 73229 CKT 1
OPEN LINE FROM BUS 73226 TO BUS 73281 CKT 1
OPEN LINE FROM BUS 73212 TO BUS 73281 CKT 1
OPEN LINE FROM BUS 73229 TO BUS 73443 CKT 1
OPEN LINE FROM BUS 73212 TO BUS 73442 CKT 1
END

CONTINGENCY 1545-1570DCT
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73704 CKT 1
END

CONTINGENCY 1560-1570DCT
OPEN LINE FROM BUS 73704 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73187 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73706 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
END

CONTINGENCY 1570-1575DCT
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
DISCONNECT BUS 73228
END

CONTINGENCY 1570-1580DCT
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73199 CKT 1
END

CONTINGENCY 1575-1585DCT
DISCONNECT BUS 73228
OPEN LINE FROM BUS 73185 TO BUS 73199 CKT 1
OPEN LINE FROM BUS 73160 TO BUS 73382 CKT 1
END

CONTINGENCY 1575-1990DCT
DISCONNECT BUS 73164
OPEN LINE FROM BUS 73186 TO BUS 73386 CKT 1
DISCONNECT BUS 73228
OPEN LINE FROM BUS 73160 TO BUS 73382 CKT 1
END

CONTINGENCY 1580-1585DCT
DISCONNECT BUS 73199
END

CONTINGENCY 1580-1730BDC
OPEN LINE FROM BUS 73126 TO BUS 73199 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73224 CKT 1
END

CONTINGENCY 1620-1975DCT
OPEN LINE FROM BUS 73241 TO BUS 73230 CKT 1
OPEN LINE FROM BUS 73227 TO BUS 73230 CKT 1
END

CONTINGENCY 1975-348DCT /* added
OPEN LINE FROM BUS 73230 TO BUS 73227 CKT 1
DISCONNECT BUS 73121
END
```

```
CONTINGENCY 1622-1887DCT
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73179 CKT 1
OPEN LINE FROM BUS 73178 TO BUS 73159 CKT 1
OPEN LINE FROM BUS 73178 TO BUS 73341 CKT 1
END

CONTINGENCY 1637-1720DCT
OPEN LINE FROM BUS 73292 TO BUS 73158 CKT 1
OPEN LINE FROM BUS 73292 TO BUS 73172 CKT 2
OPEN LINE FROM BUS 73710 TO BUS 73172 CKT 1
END

CONTINGENCY 1668-1721DCT
OPEN LINE FROM BUS 73185 TO BUS 73189 CKT 1
OPEN LINE FROM BUS 73202 TO BUS 73189 CKT 1
END

CONTINGENCY 1670-1771DCT
OPEN LINE FROM BUS 73206 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73243 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73273 CKT 1
OPEN LINE FROM BUS 73198 TO BUS 73243 CKT 1
END

CONTINGENCY 1670-1830DCT
OPEN LINE FROM BUS 73206 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73243 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73273 CKT 1
OPEN LINE FROM BUS 73272 TO BUS 73198 CKT 1
END

CONTINGENCY 1710-1730ADC
DISCONNECT BUS 73225
OPEN LINE FROM BUS 73224 TO BUS 73158 CKT 1
END

CONTINGENCY 1710-1730BDC
DISCONNECT BUS 73225
OPEN LINE FROM BUS 73126 TO BUS 73224 CKT 1
END

CONTINGENCY 1710-1730CDC
DISCONNECT BUS 73225
OPEN LINE FROM BUS 73224 TO BUS 73700 CKT 1
END

CONTINGENCY 1720-1730ADC
OPEN LINE FROM BUS 73710 TO BUS 73172 CKT 1
OPEN LINE FROM BUS 73224 TO BUS 73158 CKT 1
END

CONTINGENCY 1732-1788DCT
OPEN LINE FROM BUS 73263 TO BUS 73262 CKT 1
OPEN LINE FROM BUS 73263 TO BUS 73260 CKT 1
OPEN LINE FROM BUS 73263 TO BUS 73203 CKT 1
OPEN LINE FROM BUS 73245 TO BUS 73260 CKT 1
END

CONTINGENCY 1751-1777DCT
OPEN LINE FROM BUS 73251 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73261 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73242 CKT 1
OPEN LINE FROM BUS 73244 TO BUS 73258 CKT 1
END

CONTINGENCY 1770-1887DCT
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73179 CKT 1
OPEN LINE FROM BUS 73170 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73159 CKT 1
```

```
END

CONTINGENCY 1777-1779DCT
OPEN LINE FROM BUS 73244 TO BUS 73258 CKT 1
OPEN LINE FROM BUS 73258 TO BUS 73246 CKT 1
END

CONTINGENCY 1800-1810DCT
OPEN LINE FROM BUS 73208 TO BUS 73154 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73148 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73232 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73233 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73235 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73154 CKT 1
END

CONTINGENCY 1800-1825DCT
OPEN LINE FROM BUS 73208 TO BUS 73154 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73148 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73232 CKT 1
OPEN LINE FROM BUS 73232 TO BUS 73233 CKT 1
END

CONTINGENCY 1810-1825DCT
OPEN LINE FROM BUS 73154 TO BUS 73234 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73233 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73235 CKT 1
OPEN LINE FROM BUS 73232 TO BUS 73233 CKT 1
END

CONTINGENCY 1867-1880DCT
DISCONNECT BUS 73271
DISCONNECT BUS 73169
DISCONNECT BUS 73552
END

CONTINGENCY 1867-1890DCT
DISCONNECT BUS 73237
DISCONNECT BUS 73271
DISCONNECT BUS 73551
END

CONTINGENCY 1867-1977DCT
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73271 TO BUS 73207 CKT 1
OPEN LINE FROM BUS 73271 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73271 TO BUS 73171 CKT 1
END

CONTINGENCY 1880-1890DCT
DISCONNECT BUS 73169
DISCONNECT BUS 73237
OPEN LINE FROM BUS 75051 TO BUS 75053 CKT 1
OPEN LINE FROM BUS 75053 TO BUS 73166 CKT 1
OPEN LINE FROM BUS 73166 TO BUS 73171 CKT 1
END

CONTINGENCY 1880-1977DCT
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73169 TO BUS 73172 CKT 1
OPEN LINE FROM BUS 73169 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73169 TO BUS 73171 CKT 1
END

CONTINGENCY 1890-1977DCT
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
```

```
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73173 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73171 CKT 1
END

CONTINGENCY 8100-8200DCT
OPEN LINE FROM BUS 73669 TO BUS 73679 CKT 1
OPEN LINE FROM BUS 73679 TO BUS 73668 CKT 1
OPEN LINE FROM BUS 73668 TO BUS 73669 CKT 2
END

/CONTINGENCY 1460-387DCT ** removed
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 2
/OPEN LINE FROM BUS 73287 TO BUS 73668 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73664 CKT 1
/END

/* removed for ESB series
/CONTINGENCY 1460-387DCT /* revised for Phase 2
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73287 TO BUS 73668 CKT 1
/DISCONNECT BUS 73664
/DISCONNECT BUS 73665
/DISCONNECT BUS 75073
/END

CONTINGENCY 1460-387S-DCT /* added for ESB series
OPEN LINE FROM BUS 73295 TO BUS 73663 CKT 1
OPEN LINE FROM BUS 73287 TO BUS 73668 CKT 1
DISCONNECT BUS 73664
DISCONNECT BUS 73665
DISCONNECT BUS 75073
END

CONTINGENCY 1565-PLNRDCT
DISCONNECT BUS 73155
OPEN LINE FROM BUS 73372 TO BUS 73146 CKT 1
DISCONNECT BUS 73132
DISCONNECT BUS 73133
DISCONNECT BUS 73134
DISCONNECT BUS 73135
END

CONTINGENCY 1618-321DCT
OPEN LINE FROM BUS 73190 TO BUS 73179 CKT 1
OPEN LINE FROM BUS 73105 TO BUS 73115 CKT 1
END

CONTINGENCY 1751-395DCT
OPEN LINE FROM BUS 73103 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 72925 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
OPEN LINE FROM BUS 73111 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73261 CKT 1
OPEN LINE FROM BUS 73251 TO BUS 73242 CKT 1
OPEN LINE FROM BUS 72925 TO BUS 72972 CKT 1
END

CONTINGENCY 1770-321DCT
OPEN LINE FROM BUS 73170 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73159 CKT 1
OPEN LINE FROM BUS 73105 TO BUS 73115 CKT 1
END

CONTINGENCY 1779-395DCT
OPEN LINE FROM BUS 73103 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 72925 CKT 1
```

```
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
OPEN LINE FROM BUS 73111 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73258 TO BUS 73246 CKT 1
END

CONTINGENCY 1887-321DCT
OPEN LINE FROM BUS 73105 TO BUS 73115 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73179 CKT 1
END

/CONTINGENCY 310-348DCT *revised
/OPEN LINE FROM BUS 73110 TO BUS 73112 CKT 1
/OPEN LINE FROM BUS 73110 TO BUS 73106 CKT 1
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

/CONTINGENCY 310-348DCT              / revised by Manos
/OPEN LINE FROM BUS 73110 TO BUS 73112 CKT 1
/disconnect bus 73121
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

CONTINGENCY 310-348DCT        / added by Manos -- this one is called 310-348WDCT in old
configuration
OPEN LINE FROM BUS 73110 TO BUS 73112 CKT 1
disconnect bus 73121
END

CONTINGENCY 310-368DCT
OPEN LINE FROM BUS 73110 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73112 CKT 1
END

CONTINGENCY 310-383DCT
OPEN LINE FROM BUS 73110 TO BUS 73108 CKT 1
OPEN LINE FROM BUS 73110 TO BUS 73112 CKT 1
END

CONTINGENCY 329-352DCT
OPEN LINE FROM BUS 73105 TO BUS 73104 CKT 1
OPEN LINE FROM BUS 73104 TO BUS 73106 CKT 1
OPEN LINE FROM BUS 73104 TO BUS 73202 CKT 1
END

/CONTINGENCY 362-376DCT       /contingency removed by Manos
/OPEN LINE FROM BUS 73113 TO BUS 73122 CKT 1
/OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
/END

CONTINGENCY 371-383DCT
OPEN LINE FROM BUS 73110 TO BUS 73108 CKT 1
OPEN LINE FROM BUS 73110 TO BUS 73109 CKT 1
END

CONTINGENCY MANCHAUTO1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY PLUMAUT
OPEN LINE FROM BUS 73115 TO BUS 73170 CKT 1
END

CONTINGENCY SOUTH1XAUTO
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 1
END

CONTINGENCY SOUTH2XAUTO
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 2
END
```

```
/CONTINGENCY LOBPTENGF *removed for Phase 2
/OPEN LINE FROM BUS 73716 TO BUS 73700 CKT 1
/END

CONTINGENCY LOSSBPT3
OPEN LINE FROM BUS 73648 TO BUS 73700 CKT 1
END

CONTINGENCY LOSSDEV7
OPEN LINE FROM BUS 73553 TO BUS 73195 CKT 1
END

CONTINGENCY LOLAKERD
OPEN LINE FROM BUS 73119 TO BUS 73565 CKT 1
END

CONTINGENCY LOSSMID4
OPEN LINE FROM BUS 73557 TO BUS 73116 CKT 1
END

CONTINGENCY LOSSMP2
OPEN LINE FROM BUS 73562 TO BUS 73110 CKT 1
END

CONTINGENCY LOSSMP3
OPEN LINE FROM BUS 73563 TO BUS 73110 CKT 1
END

CONTINGENCY LOSSMON6
OPEN LINE FROM BUS 73559 TO BUS 73210 CKT 1
END

CONTINGENCY LOSSNHAV
OPEN LINE FROM BUS 73651 TO BUS 73668 CKT 1
END

CONTINGENCY LOSSNOR1
OPEN LINE FROM BUS 73551 TO BUS 73171 CKT 1
END

CONTINGENCY LOSSNOR2
OPEN LINE FROM BUS 73552 TO BUS 73171 CKT 1
END

CONTINGENCY ALLINGS1TSTK
OPEN LINE FROM BUS 73681 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73681 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73742 CKT 1
OPEN LINE FROM BUS 73684 TO BUS 73682 CKT 1
OPEN LINE FROM BUS 73686 TO BUS 73684 CKT 1
OPEN LINE FROM BUS 73684 TO BUS 73744 CKT 1
END

CONTINGENCY ALLINGS2TSTK
OPEN LINE FROM BUS 73669 TO BUS 73681 CKT 2
OPEN LINE FROM BUS 73681 TO BUS 73683 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73685 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73742 CKT 1
OPEN LINE FROM BUS 73687 TO BUS 73685 CKT 1
OPEN LINE FROM BUS 73685 TO BUS 73744 CKT 1
END

CONTINGENCY ASHCREEKBKR
DISCONNECT BUS 73703
DISCONNECT BUS 73714
END

CONTINGENCY BAIRDASTK
OPEN LINE FROM BUS 73700 TO BUS 73696 CKT 1
OPEN LINE FROM BUS 73696 TO BUS 73712 CKT 1
OPEN LINE FROM BUS 73712 TO BUS 73694 CKT 1
```

```
OPEN LINE FROM BUS 73690 TO BUS 73692 CKT 1
OPEN LINE FROM BUS 73692 TO BUS 73694 CKT 1
OPEN LINE FROM BUS 73712 TO BUS 73755 CKT 1
END

CONTINGENCY BAIRDBSTK
OPEN LINE FROM BUS 73691 TO BUS 73693 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73697 CKT 1
OPEN LINE FROM BUS 73697 TO BUS 73713 CKT 1
OPEN LINE FROM BUS 73713 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73713 TO BUS 73755 CKT 1
END

CONTINGENCY BATESROCK1T
OPEN LINE FROM BUS 73178 TO BUS 73159 CKT 1
OPEN LINE FROM BUS 73178 TO BUS 73341 CKT 1
OPEN LINE FROM BUS 73170 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73159 CKT 1
END

CONTINGENCY BECONFLSTK
DISCONNECT BUS 73188
END

CONTINGENCY BOKUM1T
OPEN LINE FROM BUS 73230 TO BUS 73231 CKT 1
OPEN LINE FROM BUS 73231 TO BUS 73230 CKT 2
END

CONTINGENCY BOKUM2T
OPEN LINE FROM BUS 73231 TO BUS 73230 CKT 2
OPEN LINE FROM BUS 73231 TO BUS 73265 CKT 1
END

CONTINGENCY BOKUM3T
OPEN LINE FROM BUS 73231 TO BUS 73265 CKT 1
OPEN LINE FROM BUS 73230 TO BUS 73231 CKT 1
END

CONTINGENCY BRANFORD1T
OPEN LINE FROM BUS 73153 TO BUS 73265 CKT 1
OPEN LINE FROM BUS 73153 TO BUS 73671 CKT 1
END

CONTINGENCY BRANFORD2T
OPEN LINE FROM BUS 73153 TO BUS 73671 CKT 1
OPEN LINE FROM BUS 73287 TO BUS 73153 CKT 1
END

CONTINGENCY BRANFORD4T
OPEN LINE FROM BUS 73287 TO BUS 73153 CKT 1
OPEN LINE FROM BUS 73153 TO BUS 73265 CKT 1
END

CONTINGENCY BRANFRDRR1T
OPEN LINE FROM BUS 73287 TO BUS 73153 CKT 1
OPEN LINE FROM BUS 73287 TO BUS 73668 CKT 1
END

CONTINGENCY BROADWYST1
OPEN LINE FROM BUS 73678 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73678 TO BUS 73680 CKT 1
END

CONTINGENCY BUNKERH1T
DISCONNECT BUS 73228
OPEN LINE FROM BUS 73160 TO BUS 73382 CKT 1
OPEN LINE FROM BUS 73185 TO BUS 73189 CKT 1
END
```

```
CONTINGENCY BUNKERH2T
OPEN LINE FROM BUS 73185 TO BUS 73189 CKT 1
OPEN LINE FROM BUS 73185 TO BUS 73183 CKT 1
OPEN LINE FROM BUS 73202 TO BUS 73183 CKT 1
END

CONTINGENCY BUNKERH3T
OPEN LINE FROM BUS 73185 TO BUS 73199 CKT 1
OPEN LINE FROM BUS 73185 TO BUS 73183 CKT 1
OPEN LINE FROM BUS 73202 TO BUS 73183 CKT 1
END

CONTINGENCY COLONY1T
OPEN LINE FROM BUS 73184 TO BUS 73634 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73182 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73633 TO BUS 73634 CKT 1
END

CONTINGENCY DARIEN1T
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
END

CONTINGENCY DEVON1TSTK
OPEN LINE FROM BUS 73126 TO BUS 73199 CKT 1
DISCONNECT BUS 73225
END

CONTINGENCY DEVON2TSTK
DISCONNECT BUS 73225
OPEN LINE FROM BUS 73126 TO BUS 73129 CKT 1
END

CONTINGENCY DEVON3TSTK
DISCONNECT BUS 73125
OPEN LINE FROM BUS 73126 TO BUS 73570 CKT 1
END

CONTINGENCY DEVON4TSTK
OPEN LINE FROM BUS 73126 TO BUS 73572 CKT 1
END

/ the next contingency is a duplicate but is ignored by MUST, so it's left there

CONTINGENCY DEVON5TSTK
OPEN LINE FROM BUS 73126 TO BUS 73704 CKT 1
END

CONTINGENCY DEVON6TSTK
OPEN LINE FROM BUS 73126 TO BUS 73704 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
END

CONTINGENCY DEVON7TSTK
OPEN LINE FROM BUS 73126 TO BUS 73192 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73188 CKT 1
OPEN LINE FROM BUS 73192 TO BUS 73705 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73573 CKT 1
END

CONTINGENCY DEVON8TSTK
OPEN LINE FROM BUS 73126 TO BUS 73573 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73224 CKT 1
```

```
END

CONTINGENCY DEVON10TSTK
OPEN LINE FROM BUS 73126 TO BUS 73224 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73571 CKT 1
END

CONTINGENCY DEVON11TSTK
OPEN LINE FROM BUS 73126 TO BUS 73571 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73199 CKT 1
END

CONTINGENCY DEVON12TSTK
OPEN LINE FROM BUS 73126 TO BUS 73570 CKT 1
OPEN LINE FROM BUS 73126 TO BUS 73572 CKT 1
END

/ the next contingency is a duplicate but is ignored by MUST, so it's left there

CONTINGENCY DEVON22TSTK
OPEN LINE FROM BUS 73195 TO BUS 73553 CKT 1
END

CONTINGENCY DEVON23TSTK
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73553 CKT 1
END

CONTINGENCY DEVON24TSTK
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
END

CONTINGENCY DEVON25TSTK
OPEN LINE FROM BUS 73195 TO BUS 73554 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
END

CONTINGENCY DEVON26TSTK
OPEN LINE FROM BUS 73195 TO BUS 73554 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73707 CKT 1
END

CONTINGENCY DEVON27TSTK
OPEN LINE FROM BUS 73195 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73631 CKT 1
END

CONTINGENCY DEVSWST1TSTK
OPEN LINE FROM BUS 73690 TO BUS 73692 CKT 1
OPEN LINE FROM BUS 73692 TO BUS 73694 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
OPEN LINE FROM BUS 73690 TO BUS 73688 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73686 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73748 CKT 1
END

CONTINGENCY DEVSWST2TSTK
OPEN LINE FROM BUS 73691 TO BUS 73693 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
END

CONTINGENCY DEVSWST3TSTK
OPEN LINE FROM BUS 73691 TO BUS 73689 CKT 1
OPEN LINE FROM BUS 73689 TO BUS 73687 CKT 1
OPEN LINE FROM BUS 73691 TO BUS 73693 CKT 1
OPEN LINE FROM BUS 73693 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73691 CKT 1
OPEN LINE FROM BUS 73689 TO BUS 73748 CKT 1
END
```

```
CONTINGENCY DEVSWST4TSTK
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
OPEN LINE FROM BUS 73690 TO BUS 73688 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73686 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73748 CKT 1
END

CONTINGENCY EMERIDEN1T
OPEN LINE FROM BUS 73227 TO BUS 73633 CKT 1
OPEN LINE FROM BUS 73230 TO BUS 73227 CKT 1
END

CONTINGENCY ESHORE12TSTK
OPEN LINE FROM BUS 73669 TO BUS 73679 CKT 1
OPEN LINE FROM BUS 73679 TO BUS 73668 CKT 1
OPEN LINE FROM BUS 73668 TO BUS 73651 CKT 1
END

CONTINGENCY FLAXHILL2T
OPEN LINE FROM BUS 73207 TO BUS 73172 CKT 1
OPEN LINE FROM BUS 73171 TO BUS 73271 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73271 CKT 1
OPEN LINE FROM BUS 73207 TO BUS 73271 CKT 1
END

CONTINGENCY FROSTBR15T
OPEN LINE FROM BUS 73202 TO BUS 73203 CKT 1
DISCONNECT BUS 73127
OPEN LINE FROM BUS 73204 TO BUS 73205 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73202 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73201 CKT 1
END

CONTINGENCY FROSTBR21T
OPEN LINE FROM BUS 73202 TO BUS 73180 CKT 1
OPEN LINE FROM BUS 73180 TO BUS 73190 CKT 1
DISCONNECT BUS 73128
OPEN LINE FROM BUS 73211 TO BUS 73200 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73181 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73202 CKT 1
END

CONTINGENCY FROSTBR27T
OPEN LINE FROM BUS 73202 TO BUS 73189 CKT 1
DISCONNECT BUS 73164
OPEN LINE FROM BUS 73186 TO BUS 73386 CKT 1
END

CONTINGENCY GLENBROOK3T
OPEN LINE FROM BUS 73168 TO BUS 73162 CKT 1
OPEN LINE FROM BUS 73172 TO BUS 73169 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73169 CKT 1
OPEN LINE FROM BUS 73171 TO BUS 73169 CKT 1
END

CONTINGENCY GLENBROOK8T
OPEN LINE FROM BUS 73168 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73171 TO BUS 73237 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73173 CKT 1
END

CONTINGENCY GRNDAV1TSTK
OPEN LINE FROM BUS 73669 TO BUS 73679 CKT 1
OPEN LINE FROM BUS 73679 TO BUS 73668 CKT 1
OPEN LINE FROM BUS 73680 TO BUS 73669 CKT 1
END

CONTINGENCY GRNDAV2TSTK
OPEN LINE FROM BUS 73680 TO BUS 73669 CKT 1
```

```
OPEN LINE FROM BUS 73669 TO BUS 73676 CKT 1
END

CONTINGENCY GRNDAV3TSTK
OPEN LINE FROM BUS 73669 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73668 TO BUS 73669 CKT 2
END

CONTINGENCY GRNDAV4TSTK
OPEN LINE FROM BUS 73668 TO BUS 73669 CKT 2
OPEN LINE FROM BUS 73669 TO BUS 73681 CKT 2
OPEN LINE FROM BUS 73681 TO BUS 73683 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73685 CKT 1
END

CONTINGENCY GRNDAV5TSTK
OPEN LINE FROM BUS 73669 TO BUS 73681 CKT 2
OPEN LINE FROM BUS 73681 TO BUS 73683 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73685 CKT 1
OPEN LINE FROM BUS 73669 TO BUS 73672 CKT 1
END

CONTINGENCY GRNDAV6TSTK
OPEN LINE FROM BUS 73669 TO BUS 73672 CKT 1
OPEN LINE FROM BUS 73681 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73681 CKT 1
OPEN LINE FROM BUS 73684 TO BUS 73682 CKT 1
END

CONTINGENCY GRNDAV7TSTK
OPEN LINE FROM BUS 73681 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73681 CKT 1
OPEN LINE FROM BUS 73684 TO BUS 73682 CKT 1
OPEN LINE FROM BUS 73669 TO BUS 73679 CKT 1
OPEN LINE FROM BUS 73679 TO BUS 73668 CKT 1
END

CONTINGENCY GREENHLL2T
OPEN LINE FROM BUS 73231 TO BUS 73265 CKT 1
OPEN LINE FROM BUS 73153 TO BUS 73265 CKT 1
END

CONTINGENCY HADDAMAT
OPEN LINE FROM BUS 73230 TO BUS 73227 CKT 1
OPEN LINE FROM BUS 73230 TO BUS 73241 CKT 1
END

CONTINGENCY HADDAMBT
OPEN LINE FROM BUS 73230 TO BUS 73231 CKT 1
OPEN LINE FROM BUS 73230 TO BUS 73231 CKT 2
END

CONTINGENCY HAWTHORNST
OPEN LINE FROM BUS 73172 TO BUS 73710 CKT 1
OPEN LINE FROM BUS 73710 TO BUS 73711 CKT 2
OPEN LINE FROM BUS 73711 TO BUS 73709 CKT 1
END

CONTINGENCY JUNEST1
OPEN LINE FROM BUS 73196 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73675 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73707 CKT 1
END

CONTINGENCY MLLRVR1TSTK
OPEN LINE FROM BUS 73678 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73669 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73737 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73737 TO BUS 73676 CKT 2
END
```

```
CONTINGENCY MLLRVR2TSTK
OPEN LINE FROM BUS 73678 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73670 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73736 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73736 TO BUS 73676 CKT 2
END

CONTINGENCY MIXAVE1
OPEN LINE FROM BUS 73196 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73675 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73672 TO BUS 73673 CKT 1
OPEN LINE FROM BUS 73673 TO BUS 73675 CKT 1
END

CONTINGENCY NOHAVN1TSTK
DISCONNECT BUS 73671
END

CONTINGENCY NOHAVN2TSTK
OPEN LINE FROM BUS 73153 TO BUS 73671 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73632 CKT 1
OPEN LINE FROM BUS 73632 TO BUS 73671 CKT 1
OPEN LINE FROM BUS 73671 TO BUS 73731 CKT 1
END

CONTINGENCY NWALLING1T
OPEN LINE FROM BUS 73633 TO BUS 73634 CKT 1
OPEN LINE FROM BUS 73227 TO BUS 73633 CKT 1
END

CONTINGENCY NORWALKST1
OPEN LINE FROM BUS 73172 TO BUS 73710 CKT 1
OPEN LINE FROM BUS 73172 TO BUS 73174 CKT 1
OPEN LINE FROM BUS 73143 TO BUS 73174 CKT 1
END

CONTINGENCY NORWALKST2
DISCONNECT BUS 73169
OPEN LINE FROM BUS 73172 TO BUS 73292 CKT 2
OPEN LINE FROM BUS 73292 TO BUS 73158 CKT 1
END

CONTINGENCY NORWLKHAR1T
DISCONNECT BUS 73237
DISCONNECT BUS 73551
END

CONTINGENCY NORWLKHAR2T
DISCONNECT BUS 73237
OPEN LINE FROM BUS 75051 TO BUS 75053 CKT 1
OPEN LINE FROM BUS 75053 TO BUS 73166 CKT 1
OPEN LINE FROM BUS 73166 TO BUS 73171 CKT 1
END

CONTINGENCY NORWLKHAR3T
DISCONNECT BUS 73169
OPEN LINE FROM BUS 75051 TO BUS 75053 CKT 1
OPEN LINE FROM BUS 75053 TO BUS 73166 CKT 1
OPEN LINE FROM BUS 73166 TO BUS 73171 CKT 1
END

CONTINGENCY NORWLKHAR4T
DISCONNECT BUS 73169
DISCONNECT BUS 73552
END

CONTINGENCY NORWLKHAR7T
DISCONNECT BUS 73271
DISCONNECT BUS 73551
```

```
END

CONTINGENCY OLDTOWNST
OPEN LINE FROM BUS 73710 TO BUS 73711 CKT 2
OPEN LINE FROM BUS 73711 TO BUS 73709 CKT 1
OPEN LINE FROM BUS 73709 TO BUS 73225 CKT 1
OPEN LINE FROM BUS 73225 TO BUS 73700 CKT 2
OPEN LINE FROM BUS 73225 TO BUS 73126 CKT 1
END

CONTINGENCY PEACEABLE1T
OPEN LINE FROM BUS 73172 TO BUS 73174 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73155 CKT 1
OPEN LINE FROM BUS 73155 TO BUS 73170 CKT 1
OPEN LINE FROM BUS 73155 TO BUS 73146 CKT 1
OPEN LINE FROM BUS 73174 TO BUS 73143 CKT 1
END

/CONTINGENCY PEQUON12TSTK
/OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
/OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
/OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
/OPEN LINE FROM BUS 73700 TO BUS 73716 CKT 1
/END

CONTINGENCY PEQUON12TSTK
OPEN LINE FROM BUS 73286 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73267 TO BUS 73300 CKT 1
OPEN LINE FROM BUS 73300 TO BUS 73286 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73301 CKT 1
END

CONTINGENCY PEQUON22TSTK
OPEN LINE FROM BUS 73126 TO BUS 73225 CKT 1
OPEN LINE FROM BUS 73225 TO BUS 73700 CKT 2
OPEN LINE FROM BUS 73225 TO BUS 73709 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73696 CKT 1
OPEN LINE FROM BUS 73696 TO BUS 73712 CKT 1
OPEN LINE FROM BUS 73712 TO BUS 73694 CKT 1
END

CONTINGENCY PEQUON32TSTK
OPEN LINE FROM BUS 73224 TO BUS 73700 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73647 CKT 1
END

CONTINGENCY PEQUON42TSTK
OPEN LINE FROM BUS 73700 TO BUS 73697 CKT 1
OPEN LINE FROM BUS 73697 TO BUS 73713 CKT 1
OPEN LINE FROM BUS 73713 TO BUS 73695 CKT 1
OPEN LINE FROM BUS 73700 TO BUS 73648 CKT 1
END

CONTINGENCY PLUMTREE25T
OPEN LINE FROM BUS 73170 TO BUS 73268 CKT 1
OPEN LINE FROM BUS 73170 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73159 CKT 1
END

CONTINGENCY PLUMTREE28T
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 1
OPEN LINE FROM BUS 73187 TO BUS 73282 CKT 1
OPEN LINE FROM BUS 73282 TO BUS 73194 CKT 1
OPEN LINE FROM BUS 73194 TO BUS 73170 CKT 1
END

CONTINGENCY PLUMTREE31T
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 2
DISCONNECT BUS 73155
END
```

```
CONTINGENCY QUINIPACST1
OPEN LINE FROM BUS 73670 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73670 TO BUS 73671 CKT 1
END

CONTINGENCY ROCKRIVER1T
OPEN LINE FROM BUS 73190 TO BUS 73179 CKT 1
OPEN LINE FROM BUS 73190 TO BUS 73147 CKT 1
END

CONTINGENCY SACKETST1
OPEN LINE FROM BUS 73669 TO BUS 73672 CKT 1
OPEN LINE FROM BUS 73672 TO BUS 73673 CKT 1
OPEN LINE FROM BUS 73673 TO BUS 73675 CKT 1
END

CONTINGENCY SASCOCR1T
DISCONNECT BUS 73714
OPEN LINE FROM BUS 73171 TO BUS 73237 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73237 TO BUS 73173 CKT 1
END

CONTINGENCY SHEPAUG13A
OPEN LINE FROM BUS 73178 TO BUS 73159 CKT 1
OPEN LINE FROM BUS 73178 TO BUS 73341 CKT 1
OPEN LINE FROM BUS 73179 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
END

CONTINGENCY SOUTHEND5T
OPEN LINE FROM BUS 73167 TO BUS 73144 CKT 1
OPEN LINE FROM BUS 73144 TO BUS 73163 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
END

CONTINGENCY SOUTHEND6T
OPEN LINE FROM BUS 73294 TO BUS 73168 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73167 CKT 1
OPEN LINE FROM BUS 73294 TO BUS 73267 CKT 1
OPEN LINE FROM BUS 73168 TO BUS 73167 CKT 1
END

CONTINGENCY SNAUGA1T
DISCONNECT BUS 73199
END

CONTINGENCY SOTHNGTN12T
OPEN LINE FROM BUS 73196 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73675 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73198 TO BUS 73631 CKT 1
END

CONTINGENCY SOTHNGTN13T
OPEN LINE FROM BUS 73184 TO BUS 73634 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73182 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73707 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73675 CKT 1
OPEN LINE FROM BUS 73196 TO BUS 73198 CKT 1
END

CONTINGENCY SOTHNGTN14T
OPEN LINE FROM BUS 73198 TO BUS 73243 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
END

CONTINGENCY SOTHNGTN15T
```

```
OPEN LINE FROM BUS 73206 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73243 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73273 CKT 1
OPEN LINE FROM BUS 73198 TO BUS 73243 CKT 1
END

CONTINGENCY SOTHNGTN16T
OPEN LINE FROM BUS 73206 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73243 CKT 1
OPEN LINE FROM BUS 73206 TO BUS 73273 CKT 1
OPEN LINE FROM BUS 73272 TO BUS 73198 CKT 1
END

CONTINGENCY SOTHNGTN20T
OPEN LINE FROM BUS 73184 TO BUS 73634 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73182 CKT 1
OPEN LINE FROM BUS 73184 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
END

CONTINGENCY SOTHNGTN22T
OPEN LINE FROM BUS 73175 TO BUS 73154 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 2
END

CONTINGENCY SOTHNGTN23T
OPEN LINE FROM BUS 73208 TO BUS 73154 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73148 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73232 CKT 1
OPEN LINE FROM BUS 73175 TO BUS 73154 CKT 1
END

CONTINGENCY SOTHNGTN24T
OPEN LINE FROM BUS 73208 TO BUS 73154 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73148 CKT 1
OPEN LINE FROM BUS 73208 TO BUS 73232 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73233 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73235 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73154 CKT 1
END

CONTINGENCY SOTHNGTN25T
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 3
OPEN LINE FROM BUS 73234 TO BUS 73233 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73235 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73154 CKT 1
END

CONTINGENCY SOTHNGTN26T
DISCONNECT BUS 73127
OPEN LINE FROM BUS 73204 TO BUS 73205 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73202 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73201 CKT 1
END

CONTINGENCY SOTHNGTN28T
DISCONNECT BUS 73127
OPEN LINE FROM BUS 73204 TO BUS 73205 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73201 CKT 1
OPEN LINE FROM BUS 73205 TO BUS 73202 CKT 1
DISCONNECT BUS 73128
OPEN LINE FROM BUS 73211 TO BUS 73200 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73181 CKT 1
OPEN LINE FROM BUS 73200 TO BUS 73202 CKT 1
END

CONTINGENCY STEVENSNSTK
OPEN LINE FROM BUS 73187 TO BUS 73282 CKT 1
OPEN LINE FROM BUS 73282 TO BUS 73194 CKT 1
OPEN LINE FROM BUS 73194 TO BUS 73170 CKT 1
DISCONNECT BUS 73164
```

```
DISCONNECT BUS 73191
END

CONTINGENCY STONYHILL1T
OPEN LINE FROM BUS 73170 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73159 CKT 1
OPEN LINE FROM BUS 73179 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
END

CONTINGENCY TRPFALLST1
OPEN LINE FROM BUS 73126 TO BUS 73704 CKT 1
OPEN LINE FROM BUS 73704 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73187 TO BUS 73191 CKT 1
OPEN LINE FROM BUS 73706 TO BUS 73191 CKT 1
END

CONTINGENCY TRIANGLE2T
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73383 CKT 1
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 2
OPEN LINE FROM BUS 73176 TO BUS 73377 CKT 1
END

CONTINGENCY TRIANGLE3T
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 2
OPEN LINE FROM BUS 73176 TO BUS 73383 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73268 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73377 CKT 2
END

CONTINGENCY TRIANGLE4T
OPEN LINE FROM BUS 73170 TO BUS 73176 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73377 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73268 CKT 1
OPEN LINE FROM BUS 73176 TO BUS 73377 CKT 2
OPEN LINE FROM BUS 73377 TO BUS 73383 CKT 1
END

CONTINGENCY WALLING1TSTK
OPEN LINE FROM BUS 73631 TO BUS 73632 CKT 1
OPEN LINE FROM BUS 73632 TO BUS 73671 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73594 CKT 1
END

CONTINGENCY WALLING2TSTK
OPEN LINE FROM BUS 73631 TO BUS 73632 CKT 1
OPEN LINE FROM BUS 73632 TO BUS 73671 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73195 CKT 1
END

CONTINGENCY WALLING3TSTK
OPEN LINE FROM BUS 73631 TO BUS 73195 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73595 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73596 CKT 1
END

CONTINGENCY WALLING4TSTK
OPEN LINE FROM BUS 73631 TO BUS 73595 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73596 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73198 CKT 1
END

CONTINGENCY WALLING5TSTK
OPEN LINE FROM BUS 73631 TO BUS 73594 CKT 1
OPEN LINE FROM BUS 73631 TO BUS 73198 CKT 1
END

CONTINGENCY WATERST1TSTK
OPEN LINE FROM BUS 73680 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73681 TO BUS 73680 CKT 1
```

```
END

CONTINGENCY WATERST2TSTK
OPEN LINE FROM BUS 73681 TO BUS 73680 CKT 1
OPEN LINE FROM BUS 73678 TO BUS 73680 CKT 1
END

CONTINGENCY WATERSIDE2T
OPEN LINE FROM BUS 73168 TO BUS 73162 CKT 1
OPEN LINE FROM BUS 73162 TO BUS 73163 CKT 1
END

CONTINGENCY WBROOKFLD1T
OPEN LINE FROM BUS 73190 TO BUS 73179 CKT 1
OPEN LINE FROM BUS 73179 TO BUS 73165 CKT 1
OPEN LINE FROM BUS 73165 TO BUS 73178 CKT 1
END

CONTINGENCY WRIVER1TSTK
OPEN LINE FROM BUS 73681 TO BUS 73680 CKT 1
OPEN LINE FROM BUS 73681 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73682 TO BUS 73681 CKT 1
OPEN LINE FROM BUS 73684 TO BUS 73682 CKT 1
END

CONTINGENCY WRIVER2TSTK
OPEN LINE FROM BUS 73681 TO BUS 73680 CKT 1
OPEN LINE FROM BUS 73669 TO BUS 73681 CKT 2
OPEN LINE FROM BUS 73681 TO BUS 73683 CKT 1
OPEN LINE FROM BUS 73683 TO BUS 73685 CKT 1
END

CONTINGENCY WESTON1T
OPEN LINE FROM BUS 73172 TO BUS 73292 CKT 2
OPEN LINE FROM BUS 73292 TO BUS 73158 CKT 1
OPEN LINE FROM BUS 73158 TO BUS 73224 CKT 1
END

CONTINGENCY WOODMNT1TSTK
OPEN LINE FROM BUS 73686 TO BUS 73684 CKT 1
OPEN LINE FROM BUS 73684 TO BUS 73744 CKT 1
OPEN LINE FROM BUS 73686 TO BUS 73746 CKT 1
OPEN LINE FROM BUS 73195 TO BUS 73690 CKT 1
OPEN LINE FROM BUS 73690 TO BUS 73688 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73686 CKT 1
OPEN LINE FROM BUS 73688 TO BUS 73748 CKT 1
END

CONTINGENCY WOODMNT2TSTK
OPEN LINE FROM BUS 73687 TO BUS 73685 CKT 1
OPEN LINE FROM BUS 73687 TO BUS 73746 CKT 1
OPEN LINE FROM BUS 73685 TO BUS 73744 CKT 1
OPEN LINE FROM BUS 73691 TO BUS 73689 CKT 1
OPEN LINE FROM BUS 73689 TO BUS 73687 CKT 1
OPEN LINE FROM BUS 73689 TO BUS 73748 CKT 1
END

CONTINGENCY 318-362STKBR
DISCONNECT BUS 73122
END

CONTINGENCY CARD1TSTK
OPEN LINE FROM BUS 73108 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73119 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73215 CKT 1
END

CONTINGENCY CARD1T+LAKE
OPEN LINE FROM BUS 73108 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73119 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73215 CKT 1
```

```
DISCONNECT BUS 73565
DISCONNECT BUS 73566
DISCONNECT BUS 73567
END

CONTINGENCY CARD2TSTK
OPEN LINE FROM BUS 73108 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73110 CKT 1
END

CONTINGENCY CARD3TSTK
OPEN LINE FROM BUS 73108 TO BUS 73110 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73119 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73215 CKT 1
END

CONTINGENCY CARD3T+LAKE
OPEN LINE FROM BUS 73108 TO BUS 73110 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73119 CKT 1
OPEN LINE FROM BUS 73108 TO BUS 73215 CKT 1
DISCONNECT BUS 73565
DISCONNECT BUS 73566
DISCONNECT BUS 73567
END

CONTINGENCY LONGMT5TSTK
OPEN LINE FROM BUS 73105 TO BUS 73117 CKT 1
OPEN LINE FROM BUS 73117 TO BUS 74344 CKT 1
OPEN LINE FROM BUS 73105 TO BUS 73115 CKT 1
END

CONTINGENCY LUDLOWSTBKR
OPEN LINE FROM BUS 72925 TO BUS 73103 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 72925 TO BUS 72929 CKT 1
OPEN LINE FROM BUS 72925 TO BUS 72972 CKT 1
OPEN LINE FROM BUS 72929 TO BUS 71796 CKT 1
OPEN LINE FROM BUS 71797 TO BUS 71796 CKT 1
END

CONTINGENCY MANCH21TSTK
OPEN LINE FROM BUS 73112 TO BUS 73110 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73103 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 72925 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
END

CONTINGENCY MONTVSTBKR
OPEN LINE FROM BUS 73109 TO BUS 73110 CKT 1
OPEN LINE FROM BUS 73109 TO BUS 73113 CKT 1
OPEN LINE FROM BUS 73109 TO BUS 73210 CKT 1
OPEN LINE FROM BUS 73109 TO BUS 73210 CKT 2
END

CONTINGENCY NOMNTSTBKR
OPEN LINE FROM BUS 72926 TO BUS 72924 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72952 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72928 CKT 1
OPEN LINE FROM BUS 72928 TO BUS 78700 CKT 1
OPEN LINE FROM BUS 72926 TO BUS 72927 CKT 1
OPEN LINE FROM BUS 72927 TO BUS 70486 CKT 1
END

CONTINGENCY NMSTBKREAC
OPEN LINE FROM BUS 72926 TO BUS 72924 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72952 CKT 1
OPEN LINE FROM BUS 72924 TO BUS 72928 CKT 1
OPEN LINE FROM BUS 72928 TO BUS 78700 CKT 1
OPEN LINE FROM BUS 72926 TO BUS 72927 CKT 1
OPEN LINE FROM BUS 72927 TO BUS 70486 CKT 1
```

```
OPEN LINE FROM BUS 70508 TO BUS 70509 CKT 2
END

/CONTINGENCY SCOVRK5TSTK ** removed
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 2
/OPEN LINE FROM BUS 73663 TO BUS 73664 CKT 1
/DISCONNECT BUS 73116
/DISCONNECT BUS 73557
/END

/* removed for ESB series
/CONTINGENCY SCOVRK5TSTK /* revised for Phase 2
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/DISCONNECT BUS 73664
/DISCONNECT BUS 73665
/DISCONNECT BUS 75073
/DISCONNECT BUS 73116
/DISCONNECT BUS 73557
/END

CONTINGENCY SCOVRK5TSTK /* revised for ESB series
OPEN LINE FROM BUS 73107 TO BUS 73295 CKT 1
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

/CONTINGENCY SCOVRK8TSTK
/OPEN LINE FROM BUS 73107 TO BUS 73113 CKT 1
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 2
/OPEN LINE FROM BUS 73663 TO BUS 73664 CKT 1
/END

/CONTINGENCY SCOVRK8TSTK /* revised for Phase 2     /removed by Manos for ESA
configuration
/OPEN LINE FROM BUS 73107 TO BUS 73113 CKT 1
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/DISCONNECT BUS 73664
/DISCONNECT BUS 73665
/DISCONNECT BUS 75073
/END

CONTINGENCY SCOVRK8TSTK              /added by Manos for ESA configuration
OPEN LINE FROM BUS 73107 TO BUS 73113 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
END

/CONTINGENCY SGTN1TSTK
/OPEN LINE FROM BUS 73106 TO BUS 73110 CKT 1
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 2
/END

/CONTINGENCY SGTN1TSTK /* revised for Phase 2       /further modiified by Manos
/disconnect bus 73121
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 2
/END

CONTINGENCY SGTN1TSTK                / added by Manos for ESA configuration
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 2
END

CONTINGENCY SGTN3TSTK
OPEN LINE FROM BUS 73106 TO BUS 73122 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 2
```

```
END

CONTINGENCY SGTN4TSTK
OPEN LINE FROM BUS 73106 TO BUS 73122 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73104 CKT 1
END

CONTINGENCY SGTN5TSTK
OPEN LINE FROM BUS 73106 TO BUS 73104 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 3
END

CONTINGENCY SGTN6TSTK
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73154 CKT 3
END

/CONTINGENCY SGTN7TSTK
/OPEN LINE FROM BUS 73106 TO BUS 73110 CKT 1
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 1
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

/CONTINGENCY SGTN7TSTK /* revised for Phase 2       /revised further for ESA
configuration by Manos
/disconnect bus 73121
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 1
/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

CONTINGENCY SGTN7TSTK                               /added by Manos
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
END

CONTINGENCY NORSING1 /* added for Phase 2
DISCONNECT BUS 73314
DISCONNECT BUS 73316
END

CONTINGENCY SINGDEV1 /* added for Phase 2
DISCONNECT BUS 73310
DISCONNECT BUS 73312
END

CONTINGENCY SINGERSTK /* added for Phase 2
DISCONNECT BUS 73310
DISCONNECT BUS 73312
DISCONNECT BUS 73314
DISCONNECT BUS 73316
END

contingency devonstuck /* added by Manos
disconnect bus 73303
disconnect bus 73306
DISCONNECT BUS 73310
DISCONNECT BUS 73312
end

contingency devon-eshr1 /* added by Manos
disconnect bus 73303
disconnect bus 73306
end

contingency devon-eshr2 /* added by Manos
disconnect bus 73303
disconnect bus 73304
disconnect bus 73306
disconnect bus 73307
end
```

```
contingency devon-eshr3 /* added by Manos
disconnect bus 73303
disconnect bus 73304
disconnect bus 73305
disconnect bus 73306
disconnect bus 73307
disconnect bus 73308
end

CONTINGENCY SNG-PEQTAP /* added for Phase 2
OPEN LINE FROM BUS 73301 TO BUS 73716 CKT 1
END

CONTINGENCY SNGPEQ-XFR /* added for Phase 2
OPEN LINE FROM BUS 73301 TO BUS 73700 CKT 1
END

CONTINGENCY DEV-XFR /* added for Phase 2
OPEN LINE FROM BUS 73297 TO BUS 73129 CKT 1
END

CONTINGENCY ESHR-XFR
OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 1
END

CONTINGENCY NEWDEV1
OPEN LINE FROM BUS 73126 TO BUS 73129 CKT 1
END

CONTINGENCY NEWDEV2
OPEN LINE FROM BUS 73195 TO BUS 73129 CKT 1
END

CONTINGENCY 362ELINE   /added by Manos
OPEN LINE FROM BUS 73122 TO BUS 73295 CKT 1
END

CONTINGENCY 362WLINE   /added by Manos
OPEN LINE FROM BUS 73113 TO BUS 73295 CKT 1
END

/ the next contingency is commented out because it's a repetition of 348N contingency

/CONTINGENCY SGT_SCVL_line    /added by Manos
/OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
/END

/CONTINGENCY BES_ESHline      /* replaced for ESB series
/OPEN LINE FROM BUS 73663 TO BUS 73295 CKT 1
/END

contingency ESHrstuck_new /* added by Manos
OPEN LINE FROM BUS 73663 TO BUS 73295 CKT 1
disconnect bus 73303
disconnect bus 73306
end

CONTINGENCY 1466-362EDCT      /added by Manos
OPEN LINE FROM BUS 73227 TO BUS 73633 CKT 1
OPEN LINE FROM BUS 73122 TO BUS 73295 CKT 1
END

CONTINGENCY 1975-362WDCT      /added by Manos
OPEN LINE FROM BUS 73230 TO BUS 73227 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73295 CKT 1
END

CONTINGENCY 362W-376DCT       /added by Manos
OPEN LINE FROM BUS 73113 TO BUS 73295 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
```

```
END

/the next contingency existed in a previous configuration that included the Beseck
station
/however, the ESA configuration does not have any bus 73309. Contingency removed.

/CONTINGENCY BESECKXTSTK      /added by Manos
/OPEN LINE FROM BUS 73122 TO BUS 73295 CKT 1
/DISCONNECT BUS 73309
/END

/ the new ESA configuration replaced the connection to DEVREAC (73309) with the
connection
/ to East Shore. The BESECK stuck is added next.

CONTINGENCY BESECKXTSTK       /added by Manos
OPEN LINE FROM BUS 73122 TO BUS 73295 CKT 1
OPEN LINE FROM BUS 73663 TO BUS 73295 CKT 1
END

END
```

```
CONTINGENCY 353LINE /* modified for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
END

CONTINGENCY 353+AUTO /* modified for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY 1759-353DCT /* modified for Kleen Energy
OPEN LINE FROM BUS 73241 TO BUS 73264 CKT 1
OPEN LINE FROM BUS 73259 TO BUS 73264 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY 1767-353DCT /* modified for Kleen Energy
OPEN LINE FROM BUS 73242 TO BUS 73259 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY SCOVRK4TSTK /* modified for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1  /these two lines is equivalent to
disconnecting
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1  /bus 73114 as in the very original
configuration
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

CONTINGENCY SCOVRK7TSTK /* removed for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
END

END
```

- with NHHS Off-Line

(only contingencies differing from those with NHHS on-line)

```
CONTINGENCY 353NLINE / * added for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
END

CONTINGENCY 353SLINE / * added for Kleen Energy
OPEN LINE FROM BUS 73107 TO BUS 73114 CKT 1
END

CONTINGENCY KLEENSTK1 / * added for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
REMOVE MACHINE 1 FROM BUS 73597
END

CONTINGENCY KLEENSTK2 / * added for Kleen Energy
OPEN LINE FROM BUS 73107 TO BUS 73114 CKT 1
REMOVE MACHINE 1 FROM BUS 73598
END

CONTINGENCY KLEENSTK3 / * added for Kleen Energy
OPEN LINE FROM BUS 73107 TO BUS 73114 CKT 1
REMOVE MACHINE 1 FROM BUS 73599
END

CONTINGENCY 353N+AUTO / * added for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY 1759-353NDCT / * added for Kleen Energy
OPEN LINE FROM BUS 73241 TO BUS 73264 CKT 1
OPEN LINE FROM BUS 73259 TO BUS 73264 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY 1767-353NDCT / * added for Kleen Energy
OPEN LINE FROM BUS 73242 TO BUS 73259 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73112 TO BUS 73242 CKT 1
END

CONTINGENCY SCOVRK4TSTK / * added for Kleen Energy
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

CONTINGENCY SCOVRK7TSTK / * modified for Kleen Energy
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
END

end
```

Appendix D

Generation Dispatches

- 387 Line Looped into Beseck with Genessee Conductor
- NE-NY ± 700 MW and 0 MW
- New Haven Harbor Station (NHHS) On/Off

Key to Generation Dispatch IDs

	New Haven Harbor On-Line				New Haven Harbor Off-Line (4)			
SWCT Gen. Dispatch ID	2	3	4	5	2	3	4	5
NE-NY 0	2G	3G (1)	4G (1)	5G (1)	6G	7G	8G	9G
NE-NY 700 (5)	10G	11G (2)	12G (2)	13G (2)	14G	15G	16G	17G
NY-NE 700 (5)	18G	19G (3)	20G (3)	21G (3)	22G	23G	23G	24G

Notes:

1. For these dispatches only New England generation differences with dispatch 2G are shown.
2. For these dispatches only New England generation differences with dispatch 10G are shown.
3. For these dispatches only New England generation differences with dispatch 18G are shown.
4. For the 447 MW New Haven Harbor Station (NHHS) off-line dispatches, the NHHS generation is replaced by the proposed Kleen Energy generation. Other generation remains unchanged, so refer to the corresponding NHHS on-line cases for generation dispatch.
5. Generation changes from a NE-NY 0 MW to achieve ± 700 MW NE-NY are shown on the following pages.
6. The “G” suffix in the dispatch IDs indicates that the 387 line (East Shore to Scovill Road 345) is looped into Beseck and modeled with a reconductor using a Genessee conductor.

Dispatch Changes to Create 700 MW NE to NY Cases

Bring on MIS GT2 (70061) at reduced output	+150.0 MW
Bring on Edgar GT1 (70909)	+276.2 MW
Bring on Edgar ST1 (70911) at reduced output	+273.8 MW *adjust as needed
	+700.0 MW

Take off Oswego 6 (77953)	-850.0 MW
Increase Roseton Gen1 (74190)	+150.0 MW *adjust as needed
	-700.0 MW

Dispatch Changes to Create 700 MW NY to NE Cases

Take off Wyman #2 (70361)	-21.0 MW
Take off Wyman #3 (70362)	-20.0 MW
Increase Wyman #4 (70368)	+11.0 MW *adjust as needed
Take off Cabot CMB (71065)	-260.0 MW
Take off Cabot STM (71066)	-120.0 MW
Take off ANP Blackstone (71096)	-290.0 MW
	-700.0 MW

Bring on Gowanus 3GT (74776)	+110.0 MW
Bring on Athens C (78710)	+248.0 MW
Bring on Athens S (78711)	+112.0 MW
Increase Roseton Gen1 (74190)	+230.0 MW *adjust as needed
	+700.0 MW

Dispatches 2G – 5G

New England Generation for Dispatch 2G (NE-NY 0 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72689	ABENAKI	4.16	4	0	-2	5.4	-0.5	-0.5	-0.5	1	1.0115	
70377	AEC G1	13.8	1	0	2	52.5	8	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	8	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.9	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0243	
73538	AESTH PF	20	1	0	2	180	35.5	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0213	
73072	ALT12 PF	13.8	2	0	2	65	18.9	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	18.9	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	2	290	118	150	-100	1.038	1.038	70785
71096	ANPBLCK2	21	1	0	2	290	118	150	-100	1.038	1.038	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0088	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0262	
73351	BATES DA	0.48	1	0	2	0	-4.7	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9982	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0133	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0146	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0141	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0165	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0218	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	1.0008	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0353	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9961	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9961	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9961	71832
72986	BERKPWR	13.8	1	0	2	305	42.2	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0182	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0434	
72372	BP #1 GN	18	2	0	2	238	78.4	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	78.4	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	54	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	1.9	260	-160	1.026	1.026	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0161	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.03	1.0222	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0072	
72512	BRSWP G1	13.8	1	0	2	294	49.9	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	49.9	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	72.4	120	-100	1.04	1.04	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1	0.9975	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.0333	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.0333	
71065	CABOTCMB	16	1	0	2	260	-26.4	127	-127	1.043	1.043	70760
71066	CABOTSTM	13.8	1	0	2	120	-26.4	60	-60	1.043	1.043	70760
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0144	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0352	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0352	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	1.0008	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9607	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	0.9972	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.9753	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1	1.0448	

New England Generation for Dispatch 2G (NE-NY 0 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.03	0.8805	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1	1.0167	
72665	COLFAX	13.8	2	0	2	63.8	-8.4	30	-19	1.01	1.01	
71857	COMRF G1	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1	1.0269	
73547	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0438	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0439	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9763	
73074	CUMBRLND	13.8	1	0	-2	3	1	1	1	1.043	1.0468	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.9932	
73765	DERBY PH	13.8	1	0	2	7	1	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	11.3	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	11.3	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	7.2	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0312	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0114	71279
72514	DRFLD 2G	2.4	3	0	2	1.6	2.6	3	-3	1	1	72435
72515	DRFLD 3G	2.4	3	0	2	1.6	1.6	3	-3	1	1	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.023	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.0131	
70738	EAVE	13.8	1	0	-2	4.5	0	0	0	0.9979	1.0011	
72808	EDDY B	34.5	1	0	-2	14.5	0	0	0	1.03	1.0196	
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	0.9853	
71394	EMI_GEN	22	1	0	2	185	14.7	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.0009	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0107	
70693	ESX-STAT	3.2	1	0	2	0	14.9	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.9858	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0283	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9709	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0118	
73536	FORST PF	13.8	1	0	2	13	3.6	4	0	1.03	1.03	
72666	FRSQ SC1	11.5	1	0	2	42.6	-5	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	-2	42.6	-5	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-3.4	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0258	
70561	GLN.HY T	46	1	0	-2	1.2	-0.1	0.2	-0.1	0.9961	0.9969	
73168	GLNBROOK	115	1	0	2	0	-79.3	150	-150	1.035	1.035	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.05	1.0225	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.02	0.986	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.026	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1	1.019	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.03	1.041	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.0034	
72518	HARR G1	6.9	1	0	2	14	4.6	6	0	1.0174	1.0174	72397
72510	HARR G2	6.9	1	0	2	14	4.6	6	0	1.0174	1.0174	72397
72511	HARR G3	6.9	1	0	2	14	4.6	6	0	1.0174	1.0174	72397

New England Generation for Dispatch 2G (NE-NY 0 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70356	HARRIS#1	13.8	1	0	2	16	2.7	7.2	0	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	5.3	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0367	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126.2	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0162	
71692	HUDSONDG	4.16	6	0	2	17	5.9	9.8	-9.8	1	1	
70548	HYDEVLLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9962	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1	1.0364	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.02	1.0158	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1	1.0231	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1	1.0108	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1	1.0121	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1	1.0041	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.029	1.039	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1	0.9903	
71123	KENDALL	13.8	3	0	2	63	5.8	32.3	0	1.025	1.025	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.03	0.9982	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.025	1.025	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.03	1.0183	
73565	LAKERD#1	21	1	0	2	280	53	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	53	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	53	174	-90	1.035	1.035	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.022	1.0102	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.031	1.031	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1	1.0136	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.02	1.0196	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.02	1.0196	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.025	1.0369	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1	0.9863	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0323	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0089	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0368	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0324	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0319	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0114	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0066	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0298	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0298	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0298	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0304	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.0077	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.015	1.005	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9938	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.0434	
73588	MERIDEN1	21	1	0	2	195	21.2	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	21.2	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	21.2	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	25.1	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	71.4	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	

New England Generation for Dispatch 2G (NE-NY 0 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.975	
73555	MIDDTN#2	13.8	1	0	2	117	33.8	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	33.8	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0323	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.02	1.0275	
73574	MILFD#1	13.8	1	0	2	280	137.8	150	-40	1.026	1.026	73125
73562	MILL#2	24	1	0	2	860	116.5	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	116.5	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	45.1	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	20.3	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1	0.9913	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0263	
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0429	
73558	MONTV#5	13.8	1	0	2	81	15.8	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	80.2	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.3	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.3	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0059	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9985	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9985	72250
71067	MYS8 GTS	16	2	0	2	554	151.8	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	97.1	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	97.1	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	97.1	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	151.8	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.0341	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0365	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0365	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0365	70774
70010	NEW_G1	18	1	0	2	169	24.3	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	24.3	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	24.3	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	-2	447	0	175	0	1.035	1.0386	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.03	1.0291	73664
73083	NRTHFD12	13.8	2	0	2	540	154.1	160	-80	1.041	1.041	72926
73084	NRTHFD34	13.8	2	0	2	540	154.1	160	-80	1.041	1.041	72926
72868	NWNGT G1	24	1	0	2	422	24.3	180	-45	1.035	1.035	72692
71253	OBGEN	23	1	0	2	7.5	1.1	1.5	0	1	1	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1	1.0217	
70694	OMYA	46	1	0	2	7.7	1.4	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.0092	
71531	OSP1 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0325	71338
71532	OSP2 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0325	71338
71533	OSP3 PF	13.8	1	0	-2	107.5	0	51.8	0	1.0289	1.0325	71338
71534	OSP4 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0325	71338
70431	OTIS GEN	4.16	2	0	-2	8	1	1	1	1	1.0336	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9927	
71094	PLGRM G1	22.8	1	0	2	670	206.1	340	-100	1.038	1.038	70783

New England Generation for Dispatch 2G (NE-NY 0 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.0232	
71719	POTTER	115	2	0	-2	89	42	42	-10	1.017	1.0148	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9981	
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.0475	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1	1.029	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9892	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.026	1.0218	71889
72063	RES-NAND	23	1	0	2	31.8	-4.7	15	-15	1.01	1.01	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.974	1.0226	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0226	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0187	
70627	RYGTE 34	34.5	1	0	-2	3.5	0.3	0.3	0	1.0364	1.0208	
71946	SALEM G1	14.4	1	0	2	79	9.7	32	-23	1.035	1.035	71891
71947	SALEM G2	14.4	1	0	2	78	9.7	29	-8	1.035	1.035	71891
71948	SALEM G3	14.4	1	0	2	143	19.4	50	-37	1.035	1.035	71891
71949	SALEM G4	22	1	0	2	400	58.1	275	-160	1.035	1.035	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.989	0.9832	
73352	SANDH DB	0.48	1	0	2	0	1.5	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	1.5	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.991	
72869	SBRK G1	25	1	0	2	1150	268.6	550	-90	1.035	1.035	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.035	1.0157	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.035	1.0157	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.035	1.0157	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1	1.0053	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1	0.9912	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1	1.0113	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1	1.0124	
70372	SEA STRN	13.8	1	0	2	48	0.6	25	-22	1.03	1.03	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1	1.0178	72413
71189	SEM2PF	13.8	1	0	2	22.5	2.8	10	-2	1.0285	1.0285	
71188	SEMASSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0154	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.0087	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.023	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0173	72401
71681	SHRWS DG	13.8	1	0	2	10	6.5	6.9	-6.9	1	1	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9962	
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1	1.0019	
73546	SMEAD PF	23	2	0	-2	13	0	4	0	1.03	1.0321	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.03	1.0189	
71522	SOM G6	14	1	0	-2	70	0	86	0	1.0087	1.0117	71377
73082	SPGFD PF	13.8	1	0	-2	6	0	2	0	1	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.035	1.0486	
72933	STNYBK 1	13.8	1	0	2	87	12.2	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	11.1	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	11.1	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	11.1	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	11.1	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	11.1	30	-8	1.043	1.043	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1	1.0092	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.973	0.9822	

New England Generation for Dispatch 2G (NE-NY 0 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	0.9959	
71743	TAU 9A,8	13.8	1	1	-2	25	16	16	0	1.0261	1.0189	71739
71744	TAUNT G9	13.8	1	0	-2	85	52	52	0	1.0261	1.0189	71739
72842	TILTN PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.0022	
72669	TIVER G1	18	1	0	2	189	30.6	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	15.9	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	0.5	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	2	17	1.9	3	0	1	1	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0209	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0066	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0164	
72521	VERNON G	2.4	4	0	2	8	3.3	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.6	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.4	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.4	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	72	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0255	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0362	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0393	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.8	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.8	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.9	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9714	
70365	WF WY #1	13.8	1	0	2	57	5.6	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.6	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	11.2	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	108.2	23.4	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0179	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.9871	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0074	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.9963	71834
70363	WILLM #1	6.9	1	0	2	4	1.3	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0301	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.034	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0017	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0316	
73459	WNDSRLK	27.6	1	0	-2	8	2	2	2	1	1.0366	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0168	
73080	WSPFLD 3	13.8	1	0	2	107	15.4	52	-37	1.022	1.022	72961
70361	WYMAN #2	13.8	1	0	-2	21	0	11.6	0	1.02	1.0203	70113
70362	WYMAN #3	13.8	1	0	-2	20	0	11.6	0	1.02	1.0203	70113

NE Generation Changes from Dispatch 2G to Dispatch 3G (ESB Series Cases)										
			Dispatch 2G		Dispatch 3G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	24.3	0	0	-169	100	-24.3	100
70011	NEW_G2	18	169	24.3	0	0	-169	100	-24.3	100
70012	NEW_G3	18	195	24.3	0	0	-195	100	-24.3	100
70368	WF WY #4	22	108.2	23.4	102.5	28.2	-5.8	5.3	4.8	20.7
71095	ANPBLCK1	21	290	118	0	0	-290	100	-118	100
72513	BRSWP G2	13.8	294	49.9	0	0	-294	100	-49.9	100
73575	MILFD#2	13.8	0	0	280	78.4	280	999.9	78.4	999.9
73594	WALL LV1	13.8	0	0	102	10.8	102	999.9	10.8	999.9
73595	WALL LV2	13.8	0	0	102	10.8	102	999.9	10.8	999.9
73596	WALL LV3	13.8	0	0	51	7.6	51	999.9	7.6	999.9
73652	BE 11	16	0	0	170	39.1	170	999.9	39.1	999.9
73653	BE 12	16	0	0	170	39.1	170	999.9	39.1	999.9
73654	BE 10 ST	16	0	0	180	39.1	180	999.9	39.1	999.9

NE Generation Changes from Dispatch 2G to Dispatch 4G (ESB Series Cases)										
			Dispatch 2G		Dispatch 4G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	24.3	0	0	-169	100	-24.3	100
70011	NEW_G2	18	169	24.3	0	0	-169	100	-24.3	100
70012	NEW_G3	18	195	24.3	0	0	-195	100	-24.3	100
70368	WF WY #4	22	108.2	23.4	76.8	36.6	-31.4	29	13.2	56.5
71095	ANPBLCK1	21	290	118	0	0	-290	100	-118	100
72513	BRSWP G2	13.8	294	49.9	0	0	-294	100	-49.9	100
72867	MERMK G2	24	320	71.4	0	0	-320	100	-71.4	100
73551	NORHAR#1	18	0	0	161	-32	161	999.9	-32	999.9
73552	NORHAR#2	20	0	0	168	-32	168	999.9	-32	999.9
73575	MILFD#2	13.8	0	0	280	78.4	280	999.9	78.4	999.9
73594	WALL LV1	13.8	0	0	102	10.9	102	999.9	10.9	999.9
73595	WALL LV2	13.8	0	0	102	10.9	102	999.9	10.9	999.9
73596	WALL LV3	13.8	0	0	51	7.7	51	999.9	7.7	999.9
73652	BE 11	16	0	0	170	37.1	170	999.9	37.1	999.9
73653	BE 12	16	0	0	170	37.1	170	999.9	37.1	999.9
73654	BE 10 ST	16	0	0	180	37.1	180	999.9	37.1	999.9

NE Generation Changes from Dispatch 2G to Dispatch 5G (ESB Series Cases)										
			Dispatch 2G		Dispatch 5G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70368	WF WY #4	22	108.2	23.4	258	30.9	149.7	138.3	7.5	32.1
73551	NORHAR#1	18	0	0	161	-29.4	161	999.9	-29.4	999.9
73552	NORHAR#2	20	0	0	168	-29.4	168	999.9	-29.4	999.9
73553	DEVON#7	13.8	106	11.3	0	0	-106	100	-11.3	100
73554	DEVON#8	13.8	106	11.3	0	0	-106	100	-11.3	100
73574	MILFD#1	13.8	280	137.8	0	0	-280	100	-137.8	100

Dispatches 10G – 13G

New England Generation for Dispatch 10G (NE-NY 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72689	ABENAKI	4.16	4	0	-2	5.4	-0.5	-0.5	-0.5	1	1.0137	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0257	
73538	AESTH PF	20	1	0	2	180	43.9	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0211	
73072	ALT12 PF	13.8	2	0	2	65	21	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	21	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	2	290	114.3	150	-100	1.038	1.038	70785
71096	ANPBLCK2	21	1	0	2	290	114.3	150	-100	1.038	1.038	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0111	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0252	
73351	BATES DA	0.48	1	0	2	0	-4.8	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0147	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0159	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0152	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0178	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0231	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	1.0011	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0354	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9979	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9979	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9979	71832
72986	BERKPWR	13.8	1	0	2	305	51.8	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0178	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0432	
72372	BP #1 GN	18	2	0	2	238	80	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	80	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	54.7	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	5.3	260	-160	1.026	1.026	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0172	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.03	1.0212	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0065	
72512	BRSWP G1	13.8	1	0	2	294	38.4	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	38.4	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	46.9	120	-100	1.04	1.04	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1	0.9977	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.035	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.035	
71065	CABOTCMB	16	1	0	2	260	-26.4	127	-127	1.043	1.043	70760
71066	CABOTSTM	13.8	1	0	2	120	-26.4	60	-60	1.043	1.043	70760
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0153	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0357	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0357	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	0.9984	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9628	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	1.0184	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.9953	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1	1.0618	

New England Generation for Dispatch 10G (NE-NY 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.03	0.9389	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1	1.0162	
72665	COLFAX	13.8	2	0	2	63.8	-8.2	30	-19	1.01	1.01	
71857	COMRF G1	13.8	1	0	2	37.4	-4.9	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-4.9	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-4.9	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-4.9	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1	1.0268	
73547	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0413	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0413	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9763	
73074	CUMBRLND	13.8	1	0	-2	3	1	1	1	1.043	1.0484	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.993	
73765	DERBY PH	13.8	1	0	2	7	0.9	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	13.7	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	13.7	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	8	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0311	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0116	71279
72514	DRFLD 2G	2.4	3	0	2	1.6	1.9	3	-3	1	1	72435
72515	DRFLD 3G	2.4	3	0	2	1.6	1.3	3	-3	1	1	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.0235	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.012	
70738	EAVE	13.8	1	0	-2	4.5	0	0	0	0.9979	1.0011	
72808	EDDY B	34.5	1	0	-2	14.5	0	0	0	1.03	1.0193	
70909	EDG GT1	16	1	0	2	276.2	15.3	256	-90	1.017	1.017	70901
70911	EDG ST1	18	1	0	2	305	15.3	200	-120	1.017	1.017	70901
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	1.0241	
71394	EMI_GEN	22	1	0	2	185	13.4	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.0008	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0106	
70693	ESX-STAT	3.2	1	0	2	0	13.9	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.9874	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0283	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9716	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0106	
73536	FORST PF	13.8	1	0	2	13	1	4	0	1.03	1.03	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.4	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	2	42.6	-4.5	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-2.9	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0256	
70561	GLN.HY T	46	1	0	-2	1.2	-0.1	0.2	-0.1	0.9961	0.9981	
73168	GLNBROOK	115	1	0	2	0	-78	150	-150	1.035	1.035	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.05	1.0284	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.02	0.986	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.0257	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1	1.028	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.03	1.0434	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.0028	
72518	HARR G1	6.9	1	0	2	14	3.3	6	0	1.0174	1.0174	72397

New England Generation for Dispatch 10G (NE-NY 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72510	HARR G2	6.9	1	0	2	14	3.3	6	0	1.0174	1.0174	72397
72511	HARR G3	6.9	1	0	2	14	3.3	6	0	1.0174	1.0174	72397
70356	HARRIS#1	13.8	1	0	2	16	2.1	7.2	0	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	4.1	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0367	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0154	
71692	HUDSONDG	4.16	6	0	2	17	5.9	9.8	-9.8	1	1	
70548	HYDEVLLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9951	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1	1.0423	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.02	1.0176	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1	1.0243	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1	1.012	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1	1.0133	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1	1.0052	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.029	1.0408	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1	0.9916	
71123	KENDALL	13.8	3	0	2	63	5.8	32.3	0	1.025	1.025	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.03	1.0011	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.025	1.025	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.03	1.0181	
73565	LAKERD#1	21	1	0	2	280	69.9	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	69.9	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	69.9	174	-90	1.035	1.035	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.022	1.0146	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.031	1.031	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1	1.0134	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.02	1.0194	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.02	1.0194	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.025	1.0389	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1	0.9878	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0319	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0081	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0389	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0344	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0339	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0134	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0089	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0292	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0292	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0292	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0292	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.0074	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.015	1.005	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9948	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.0431	
73588	MERIDEN1	21	1	0	2	195	45	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	45	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	45	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	26.1	53	-10	1.035	1.035	72734

New England Generation for Dispatch 10G (NE-NY 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72867	MERMK G2	24	1	0	2	320	74.2	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.9765	
73555	MIDDTN#2	13.8	1	0	2	117	34	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	34	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0306	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.02	1.0271	
73574	MILFD#1	13.8	1	0	2	280	139.6	150	-40	1.026	1.026	73125
73562	MILL#2	24	1	0	2	860	144.3	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	144.3	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	46.6	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	20.9	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1	0.9912	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0257	
70061	MIS GT2	18	1	0	2	150	100.9	103.2	-76.8	1.0527	1.0527	70028
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0447	
73558	MONTV#5	13.8	1	0	2	81	19.5	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	99.2	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.4	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.4	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0055	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9966	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9966	72250
71067	MYS8 GTS	16	2	0	2	554	149.4	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	97.5	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	97.5	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	97.5	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	149.4	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.034	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0366	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0366	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0366	70774
70010	NEW_G1	18	1	0	2	169	24.9	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	24.9	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	24.9	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	-2	447	0	175	0	1.035	1.0379	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.03	1.0283	73664
73083	NRTHFD12	13.8	2	0	-2	540	160	160	-80	1.041	1.0399	72926
73084	NRTHFD34	13.8	2	0	-2	540	160	160	-80	1.041	1.0399	72926
72868	NWNGT G1	24	1	0	2	422	24.9	180	-45	1.035	1.035	72692
71253	OBGEN	23	1	0	2	7.5	1	1.5	0	1	1	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1	1.0216	
70694	OMYA	46	1	0	2	7.7	0.9	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.0078	
71531	OSP1 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0322	71338
71532	OSP2 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0322	71338
71533	OSP3 PF	13.8	1	0	-2	107.5	0	51.8	0	1.0289	1.0322	71338
71534	OSP4 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0322	71338

New England Generation for Dispatch 10G (NE-NY 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70431	OTIS GEN	4.16	2	0	-2	8	1	1	1	1	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9926	
71094	PLGRM G1	22.8	1	0	2	670	177.7	340	-100	1.038	1.038	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.023	
71719	POTTER	115	2	0	2	89	9.1	42	-10	1.017	1.017	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9982	
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.0466	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1	1.029	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9903	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.026	1.0218	71889
72063	RES-NAND	23	1	0	2	31.8	-4.6	15	-15	1.01	1.01	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.974	1.0228	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0228	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0199	
70627	RYGTE 34	34.5	1	0	-2	3.5	0.3	0.3	0	1.0364	1.0206	
71946	SALEM G1	14.4	1	0	2	79	9.7	32	-23	1.035	1.035	71891
71947	SALEM G2	14.4	1	0	2	78	9.7	29	-8	1.035	1.035	71891
71948	SALEM G3	14.4	1	0	2	143	19.4	50	-37	1.035	1.035	71891
71949	SALEM G4	22	1	0	2	400	58.2	275	-160	1.035	1.035	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.989	0.9849	
73352	SANDH DB	0.48	1	0	2	0	1.5	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	1.5	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.9904	
72869	SBRK G1	25	1	0	2	1150	274.7	550	-90	1.035	1.035	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.035	1.015	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.035	1.015	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.035	1.015	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1	1.0061	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1	0.9921	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1	1.0122	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1	1.0132	
70372	SEA STRN	13.8	1	0	2	48	-1	25	-22	1.03	1.03	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1	1.0187	72413
71189	SEM2PF	13.8	1	0	2	22.5	2.8	10	-2	1.0285	1.0285	
71188	SEMASSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0158	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.0079	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.0231	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0174	72401
71681	SHRWS DG	13.8	1	0	2	10	5.7	6.9	-6.9	1	1	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9979	
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1	1.0018	
73546	SMEAD PF	23	2	0	2	13	0.8	4	0	1.03	1.03	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.03	1.0187	
71522	SOM G6	14	1	0	-2	70	0	86	0	1.0087	1.0117	71377
73082	SPGFD PF	13.8	1	0	-2	6	0	2	0	1	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.035	1.0488	
72933	STNYBK 1	13.8	1	0	2	87	13.1	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	

New England Generation for Dispatch 10G (NE-NY 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72935	STNYBK2B	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1	1.0089	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.973	0.9833	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	0.9951	
71743	TAU 9A,8	13.8	1	1	-2	25	16	16	0	1.0261	1.0194	71739
71744	TAUNT G9	13.8	1	0	-2	85	52	52	0	1.0261	1.0194	71739
72842	TILTN PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.001	
72669	TIVER G1	18	1	0	2	189	30.5	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	15.9	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	-0.1	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	-2	17	0	3	0	1	1.0008	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0202	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0059	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0176	
72521	VERNON G	2.4	4	0	2	8	3.1	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.5	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.3	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.3	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	93.7	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0252	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0411	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0443	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.6	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.6	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.7	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9712	
70365	WF WY #1	13.8	1	0	2	57	5.5	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.5	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	11	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	105	17.3	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0177	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.9884	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0092	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.997	71834
70363	WILLM #1	6.9	1	0	2	4	1	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0326	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.0399	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0009	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0309	
73459	WNDSRLK	27.6	1	0	-2	8	2	2	2	1	1.0342	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0172	
73080	WSPFLD 3	13.8	1	0	2	107	19.2	52	-37	1.022	1.022	72961
70361	WYMAN #2	13.8	1	0	-2	21	0	11.6	0	1.02	1.0234	70113
70362	WYMAN #3	13.8	1	0	-2	20	0	11.6	0	1.02	1.0234	70113

NE Generation Changes from Dispatch 10G to Dispatch 11G (ESB Series Cases)										
			Dispatch 10G		Dispatch 11G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	24.9	0	0	-169	100	-24.9	100
70011	NEW_G2	18	169	24.9	0	0	-169	100	-24.9	100
70012	NEW_G3	18	195	24.9	0	0	-195	100	-24.9	100
70368	WF WY #4	22	105	17.3	102.5	18.9	-2.6	2.4	1.7	9.7
70911	EDG ST1	18	305	15.3	290.8	15.7	-14.2	4.7	0.4	2.8
71095	ANPBLCK1	21	290	114.3	0	0	-290	100	-114.3	100
72513	BRSWP G2	13.8	294	38.4	0	0	-294	100	-38.4	100
73575	MILFD#2	13.8	0	0	280	79	280	999.9	79	999.9
73594	WALL LV1	13.8	0	0	102	11	102	999.9	11	999.9
73595	WALL LV2	13.8	0	0	102	11	102	999.9	11	999.9
73596	WALL LV3	13.8	0	0	51	7.7	51	999.9	7.7	999.9
73652	BE 11	16	0	0	170	39.3	170	999.9	39.3	999.9
73653	BE 12	16	0	0	170	39.3	170	999.9	39.3	999.9
73654	BE 10 ST	16	0	0	180	39.3	180	999.9	39.3	999.9

NE Generation Changes from Dispatch 10G to Dispatch 12G (ESB Series Cases)										
			Dispatch 10G		Dispatch 12G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	24.9	0	0	-169	100	-24.9	100
70011	NEW_G2	18	169	24.9	0	0	-169	100	-24.9	100
70012	NEW_G3	18	195	24.9	0	0	-195	100	-24.9	100
70368	WF WY #4	22	105	17.3	76.8	26.8	-28.2	26.9	9.6	55.4
70911	EDG ST1	18	305	15.3	282	16.5	-23	7.5	1.2	8.1
71095	ANPBLCK1	21	290	114.3	0	0	-290	100	-114.3	100
72513	BRSWP G2	13.8	294	38.4	0	0	-294	100	-38.4	100
72867	MERMK G2	24	320	74.2	0	0	-320	100	-74.2	100
73551	NORHAR#1	18	0	0	161	-30.7	161	999.9	-30.7	999.9
73552	NORHAR#2	20	0	0	168	-30.7	168	999.9	-30.7	999.9
73575	MILFD#2	13.8	0	0	280	80.3	280	999.9	80.3	999.9
73594	WALL LV1	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73595	WALL LV2	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73596	WALL LV3	13.8	0	0	51	7.9	51	999.9	7.9	999.9
73652	BE 11	16	0	0	170	38.1	170	999.9	38.1	999.9
73653	BE 12	16	0	0	170	38.1	170	999.9	38.1	999.9
73654	BE 10 ST	16	0	0	180	38.1	180	999.9	38.1	999.9

NE Generation Changes from Dispatch 10G to Dispatch 13G (ESB Series Cases)										
			Dispatch 10G		Dispatch 13G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70368	WF WY #4	22	105	17.3	258	26.6	152.9	145.6	9.4	54.2
70911	EDG ST1	18	305	15.3	308	15.5	3	1	0.2	1
73551	NORHAR#1	18	0	0	161	-28.5	161	999.9	-28.5	999.9
73552	NORHAR#2	20	0	0	168	-28.5	168	999.9	-28.5	999.9
73553	DEVON#7	13.8	106	13.7	0	0	-106	100	-13.7	100
73554	DEVON#8	13.8	106	13.7	0	0	-106	100	-13.7	100
73574	MILFD#1	13.8	280	139.6	0	0	-280	100	-139.6	100

Dispatches 18G – 21G

New England Generation for Dispatch 18G (NY-NE 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72689	ABENAKI	4.16	4	0	-2	5.4	-0.5	-0.5	-0.5	1	1.0125	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0256	
73538	AESTH PF	20	1	0	2	180	28	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0215	
73072	ALT12 PF	13.8	2	0	2	65	18	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	18	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	-2	290	150	150	-100	1.038	1.0346	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0099	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0267	
73351	BATES DA	0.48	1	0	2	0	-4.8	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0152	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0164	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0156	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0183	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0236	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	1.0022	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0352	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.993	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.993	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.993	71832
72986	BERKPWR	13.8	1	0	2	305	31.4	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0185	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0431	
72372	BP #1 GN	18	2	0	2	238	78.2	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	78.2	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	73.4	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	-2.2	260	-160	1.026	1.026	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0139	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.03	1.0227	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0077	
72512	BRSWP G1	13.8	1	0	2	294	59.1	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	59.1	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	71.5	120	-100	1.04	1.04	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1	0.9985	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.0301	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.0302	
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0174	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0346	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0346	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	1.0037	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9573	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	0.998	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.976	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1	1.0455	
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.03	0.8814	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1	1.0171	
72665	COLFAX	13.8	2	0	2	63.8	-8.3	30	-19	1.01	1.01	

New England Generation for Dispatch 18G (NY-NE 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
71857	COMRF G1	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1	1.0262	
73547	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0469	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0469	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9763	
73074	CUMBRLND	13.8	1	0	-2	3	1	1	1	1.043	1.0437	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.9932	
73765	DERBY PH	13.8	1	0	2	7	0.8	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	8.7	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	8.7	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	6.3	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0313	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0109	71279
72514	DRFLD 2G	2.4	3	0	-2	1.6	3	3	-3	1	0.9993	72435
72515	DRFLD 3G	2.4	3	0	-2	1.6	3	3	-3	1	0.9999	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.0218	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.0138	
70738	EAVE	13.8	1	0	-2	4.5	0	0	0	0.9979	1.0011	
72808	EDDY B	34.5	1	0	-2	14.5	0	0	0	1.03	1.0196	
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	0.986	
71394	EMI_GEN	22	1	0	2	185	17.1	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.001	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0106	
70693	ESX-STAT	3.2	1	0	2	0	15.9	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.984	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0285	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9743	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0124	
73536	FORST PF	13.8	1	0	-2	13	0	4	0	1.03	1.0301	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.7	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	2	42.6	-4.8	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-3.2	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0259	
70561	GLN.HY T	46	1	0	-2	1.2	0.2	0.2	-0.1	0.9961	0.995	
73168	GLNBROOK	115	1	0	2	0	-80.8	150	-150	1.035	1.035	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.05	1.0237	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.02	0.986	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.026	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1	1.0204	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.03	1.0424	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.004	
72518	HARR G1	6.9	1	0	-2	14	6	6	0	1.0174	1.0163	72397
72510	HARR G2	6.9	1	0	-2	14	6	6	0	1.0174	1.0163	72397
72511	HARR G3	6.9	1	0	-2	14	6	6	0	1.0174	1.0163	72397
70356	HARRIS#1	13.8	1	0	2	16	2.6	7.2	0	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	5.3	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0356	

New England Generation for Dispatch 18G (NY-NE 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126.2	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0169	
71692	HUDSONDG	4.16	6	0	2	17	6.4	9.8	-9.8	1	1	
70548	HYDEVLLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9957	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1	1.0387	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.02	1.0125	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1	1.0243	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1	1.0121	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1	1.0134	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1	1.0053	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.029	1.0362	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1	0.9916	
71123	KENDALL	13.8	3	0	2	63	5.9	32.3	0	1.025	1.025	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.03	0.9934	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.025	1.025	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.03	1.0183	
73565	LAKERD#1	21	1	0	2	280	46	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	46	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	46	174	-90	1.035	1.035	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.022	1.0122	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.031	1.031	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1	1.0133	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.02	1.0193	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.02	1.0193	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.025	1.0382	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1	0.9846	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0329	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0094	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0382	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0333	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0328	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0123	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0077	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0295	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0295	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0295	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0313	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.0079	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.015	1.0049	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9919	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.044	
73588	MERIDEN1	21	1	0	2	195	2.7	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	2.7	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	2.7	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	25.1	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	71.5	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.9725	
73555	MIDDTN#2	13.8	1	0	2	117	29.8	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	29.8	87	-37	1.026	1.026	73241

New England Generation for Dispatch 18G (NY-NE 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0339	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.02	1.0278	
73574	MILFD#1	13.8	1	0	2	280	134.2	150	-40	1.026	1.026	73125
73562	MILL#2	24	1	0	2	860	91.9	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	91.9	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	48.3	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	21.7	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1	0.9915	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0264	
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0394	
73558	MONTV#5	13.8	1	0	2	81	12.5	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	63.3	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.2	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.2	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0063	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9952	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9952	72250
71067	MYS8 GTS	16	2	0	2	554	136.1	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	99	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	99	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	99	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	136.1	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.0338	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0336	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0336	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0336	70774
70010	NEW_G1	18	1	0	2	169	23.5	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	23.5	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	23.5	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	-2	447	0	175	0	1.035	1.0393	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.03	1.0298	73664
73083	NRTHFD12	13.8	2	0	2	540	146.4	160	-80	1.041	1.041	72926
73084	NRTHFD34	13.8	2	0	2	540	146.4	160	-80	1.041	1.041	72926
72868	NWNGT G1	24	1	0	2	422	23.5	180	-45	1.035	1.035	72692
71253	OBGEN	23	1	0	2	7.5	1.1	1.5	0	1	1	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1	1.0216	
70694	OMYA	46	1	0	2	7.7	2.3	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.0102	
71531	OSP1 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0313	71338
71532	OSP2 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0313	71338
71533	OSP3 PF	13.8	1	0	-2	107.5	0	51.8	0	1.0289	1.0313	71338
71534	OSP4 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0313	71338
70431	OTIS GEN	4.16	2	0	-2	8	1	1	1	1	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9928	
71094	PLGRM G1	22.8	1	0	2	670	228	340	-100	1.038	1.038	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.0232	
71719	POTTER	115	2	0	-2	89	42	42	-10	1.017	1.0128	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9979	

New England Generation for Dispatch 18G (NY-NE 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.0481	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1	1.0289	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.987	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.026	1.0217	71889
72063	RES-NAND	23	1	0	2	31.8	-4.5	15	-15	1.01	1.01	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.974	1.0237	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0237	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0203	
70627	RYGTE 34	34.5	1	0	-2	3.5	0.3	0.3	0	1.0364	1.0209	
71946	SALEM G1	14.4	1	0	2	79	9.8	32	-23	1.035	1.035	71891
71947	SALEM G2	14.4	1	0	2	78	9.8	29	-8	1.035	1.035	71891
71948	SALEM G3	14.4	1	0	2	143	19.7	50	-37	1.035	1.035	71891
71949	SALEM G4	22	1	0	2	400	59	275	-160	1.035	1.035	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.989	0.9805	
73352	SANDH DB	0.48	1	0	2	0	1.4	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	1.4	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.9916	
72869	SBRK G1	25	1	0	2	1150	279.2	550	-90	1.035	1.035	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.035	1.0161	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.035	1.0161	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.035	1.0161	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1	1.0038	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1	0.992	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1	1.0121	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1	1.0131	
70372	SEA STRN	13.8	1	0	2	48	0.5	25	-22	1.03	1.03	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1	1.0163	72413
71189	SEM2PF	13.8	1	0	2	22.5	3	10	-2	1.0285	1.0285	
71188	SEMASSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0147	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.0092	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.0232	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.016	72401
71681	SHRWS DG	13.8	1	0	-2	10	6.9	6.9	-6.9	1	0.9962	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9933	
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1	1.0018	
73546	SMEAD PF	23	2	0	-2	13	0	4	0	1.03	1.0352	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.03	1.0189	
71522	SOM G6	14	1	0	-2	70	0	86	0	1.0087	1.0113	71377
73082	SPGFD PF	13.8	1	0	-2	6	0	2	0	1	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.035	1.049	
72933	STNYBK 1	13.8	1	0	2	87	11.7	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1	1.0092	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.973	0.98	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	0.9961	
71743	TAU 9A,8	13.8	1	1	-2	25	16	16	0	1.0261	1.0182	71739
71744	TAUNT G9	13.8	1	0	-2	85	52	52	0	1.0261	1.0182	71739

New England Generation for Dispatch 18G (NY-NE 700 MW) ESB Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72842	TILTN PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.0028	
72669	TIVER G1	18	1	0	2	189	31.3	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	16.4	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	0	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	-2	17	3	3	0	1	0.9985	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0215	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0071	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0146	
72521	VERNON G	2.4	4	0	2	8	3.9	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.9	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.6	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.6	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	75.9	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0261	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0384	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0416	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.3	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.3	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.4	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9714	
70365	WF WY #1	13.8	1	0	2	57	5.4	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.4	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	10.9	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	92	20.2	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0179	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.9823	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0045	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.9946	71834
70363	WILLM #1	6.9	1	0	2	4	1.2	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0307	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.0363	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0019	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0326	
73459	WNDSRLK	27.6	1	0	-2	8	2	2	2	1	1.0391	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0165	
73080	WSPFLD 3	13.8	1	0	2	107	12.7	52	-37	1.022	1.022	72961

NE Generation Changes from Dispatch 18G to Dispatch 19G (ESB Series Cases)										
			Dispatch 18G		Dispatch 19G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	23.5	0	0	-169	100	-23.5	100
70011	NEW_G2	18	169	23.5	0	0	-169	100	-23.5	100
70012	NEW_G3	18	195	23.5	0	0	-195	100	-23.5	100
70368	WF WY #4	22	92	20.2	105	26.4	13	14.1	6.2	30.5
71095	ANPBLCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	59.1	0	0	-294	100	-59.1	100
73575	MILFD#2	13.8	0	0	280	77.9	280	999.9	77.9	999.9
73594	WALL LV1	13.8	0	0	102	10.7	102	999.9	10.7	999.9
73595	WALL LV2	13.8	0	0	102	10.7	102	999.9	10.7	999.9
73596	WALL LV3	13.8	0	0	51	7.4	51	999.9	7.4	999.9
73652	BE 11	16	0	0	170	38.9	170	999.9	38.9	999.9
73653	BE 12	16	0	0	170	38.9	170	999.9	38.9	999.9
73654	BE 10 ST	16	0	0	180	38.9	180	999.9	38.9	999.9

NE Generation Changes from Dispatch 18G to Dispatch 20G (ESB Series Cases)										
			Dispatch 18G		Dispatch 20G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	23.5	0	0	-169	100	-23.5	100
70011	NEW_G2	18	169	23.5	0	0	-169	100	-23.5	100
70012	NEW_G3	18	195	23.5	0	0	-195	100	-23.5	100
70368	WF WY #4	22	92	20.2	85	35.2	-7	7.6	15	74.3
71095	ANPBLCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	59.1	0	0	-294	100	-59.1	100
72867	MERMK G2	24	320	71.5	0	0	-320	100	-71.5	100
73551	NORHAR#1	18	0	0	161	-33.7	161	999.9	-33.7	999.9
73552	NORHAR#2	20	0	0	168	-33.7	168	999.9	-33.7	999.9
73575	MILFD#2	13.8	0	0	280	76	280	999.9	76	999.9
73594	WALL LV1	13.8	0	0	102	10.6	102	999.9	10.6	999.9
73595	WALL LV2	13.8	0	0	102	10.6	102	999.9	10.6	999.9
73596	WALL LV3	13.8	0	0	51	7.3	51	999.9	7.3	999.9
73652	BE 11	16	0	0	170	36	170	999.9	36	999.9
73653	BE 12	16	0	0	170	36	170	999.9	36	999.9
73654	BE 10 ST	16	0	0	180	36	180	999.9	36	999.9

NE Generation Changes from Dispatch 18G to Dispatch 21G (ESB Series Cases)										
			Dispatch 18G		Dispatch 21G		Change			
Number	Name	BasVlt	MW	MVAR	MW	MVAR	MW	%	MVAR	%
70368	WF WY #4	22	92	20.2	235	24.9	143	155.4	4.7	23.2
73551	NORHAR#1	18	0	0	161	-29.8	161	999.9	-29.8	999.9
73552	NORHAR#2	20	0	0	168	-29.8	168	999.9	-29.8	999.9
73553	DEVON#7	13.8	106	8.7	0	0	-106	100	-8.7	100
73554	DEVON#8	13.8	106	8.7	0	0	-106	100	-8.7	100
73574	MILFD#1	13.8	280	134.2	0	0	-280	100	-134.2	100

Appendix E

Table of All Overloads

	Case or "Dispatch" Identifier, ESB Series Cases					
	NE – NY 0 MW		NE – NY 700 MW		NY – NE 700 MW	
SWCT Generation Dispatch ID	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	2G	6G	10G	14G	18G	22G
3	3G	7G	11G	15G	19G	23G
4	4G	8G	12G	16G	20G	24G
5	5G	9G	13G	17G	21G	25G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%
Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1756.2	843.9	1446	121.4	21.4	300	1460-387S-DCT	17G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1748.8	843.9	1446	120.9	20.9	482	ESHrstuck_new	17G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1727.5	792.2	1446	119.5	19.5	300	1460-387S-DCT	14G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1728.5	843.9	1446	119.5	19.5	229	387SLINE	17G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1707.6	792.2	1446	118.1	18.1	482	ESHrstuck_new	14G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1695.6	792.2	1446	117.3	17.3	229	387SLINE	14G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1568.7	720.2	1446	108.5	8.5	300	1460-387S-DCT	9G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1554	720.2	1446	107.5	7.5	482	ESHrstuck_new	9G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1551.1	784.7	1446	107.3	7.3	296	1460-387S-DCT	13G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1545.3	720.2	1446	106.9	6.9	229	387SLINE	9G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1542.3	669.8	1446	106.7	6.7	300	1460-387S-DCT	6G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1536.9	784.7	1446	106.3	6.3	478	ESHrstuck_new	13G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1533.9	784.7	1446	106.1	6.1	225	387SLINE	13G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1523.5	669.8	1446	105.4	5.4	482	ESHrstuck_new	6G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1521.1	734.2	1446	105.2	5.2	296	1460-387S-DCT	10G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1516.6	669.8	1446	104.9	4.9	229	387SLINE	6G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1506.8	734.2	1446	104.2	4.2	478	ESHrstuck_new	10G
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1502.8	734.2	1446	103.9	3.9	225	387SLINE	10G
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1947	949.3	1912	101.8	1.8	482	ESHrstuck_new	17G
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1928.3	949.3	1912	100.9	0.9	300	1460-387S-DCT	17G
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1919.2	912.1	1912	100.4	0.4	482	ESHrstuck_new	14G
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1914	912.1	1912	100.1	0.1	300	1460-387S-DCT	14G
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1914.4	949.3	1912	100.1	0.1	229	387SLINE	17G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	667.3	276.8	585	114.1	14.1	464	SGTN5TSTK	17G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	655	276.5	585	112.0	12	464	SGTN5TSTK	14G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	642.3	270.3	585	109.8	9.8	460	SGTN5TSTK	13G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	631.5	268	585	108.0	8	464	SGTN5TSTK	15G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	629.2	271.3	585	107.5	7.5	464	SGTN5TSTK	9G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	628.8	269	585	107.5	7.5	460	SGTN5TSTK	10G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	623.3	261.3	585	106.5	6.5	464	SGTN5TSTK	16G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	616.8	270.7	585	105.4	5.4	464	SGTN5TSTK	6G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	607.3	261.7	585	103.8	3.8	460	SGTN5TSTK	11G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	604.3	264.7	585	103.3	3.3	460	SGTN5TSTK	5G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	599.3	254.9	585	102.4	2.4	460	SGTN5TSTK	12G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	593.3	262.3	585	101.4	1.4	464	SGTN5TSTK	7G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	591.3	263.6	585	101.1	1.1	460	SGTN5TSTK	2G
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	585.3	255.5	585	100.1	0.1	464	SGTN5TSTK	8G
73144 TOMAC 115	73167 SO.END 115	1	LN	252.5	114	252	100.2	0.2	371	GLENBROOK3T	8G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.9	239	124.8	24.8	413	SOUTHEND6T	16G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	70	239	124.8	24.8	413	SOUTHEND6T	17G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239	124.8	24.8	409	SOUTHEND6T	18G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239	124.8	24.8	409	SOUTHEND6T	19G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.9	239	124.8	24.8	409	SOUTHEND6T	20G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	70	239	124.8	24.8	409	SOUTHEND6T	21G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.6	239	124.8	24.8	413	SOUTHEND6T	22G
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239	124.8	24.8	413	SOUTHEND6T	23G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

Sorted by branch, then loading

100% < Loading < 105%

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	24.8	413	SOUTHEND6T	24G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	24.8	413	SOUTHEND6T	25G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	409	SOUTHEND6T	2G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	409	SOUTHEND6T	3G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	24.8	409	SOUTHEND6T	4G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	24.8	409	SOUTHEND6T	5G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	413	SOUTHEND6T	6G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	413	SOUTHEND6T	7G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	24.8	413	SOUTHEND6T	8G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	24.8	413	SOUTHEND6T	9G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	409	SOUTHEND6T	10G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	409	SOUTHEND6T	11G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	24.8	409	SOUTHEND6T	12G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	24.8	409	SOUTHEND6T	13G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	413	SOUTHEND6T	14G
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	24.8	413	SOUTHEND6T	15G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	2.5	413	SOUTHEND6T	16G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	2.5	413	SOUTHEND6T	17G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	2.5	409	SOUTHEND6T	18G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	409	SOUTHEND6T	19G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	2.5	409	SOUTHEND6T	20G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	2.5	409	SOUTHEND6T	21G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	2.5	413	SOUTHEND6T	22G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	413	SOUTHEND6T	23G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	2.5	413	SOUTHEND6T	24G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	2.5	413	SOUTHEND6T	25G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	409	SOUTHEND6T	2G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	409	SOUTHEND6T	3G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	2.5	409	SOUTHEND6T	4G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	2.5	409	SOUTHEND6T	5G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	2.5	413	SOUTHEND6T	6G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	413	SOUTHEND6T	7G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	2.5	413	SOUTHEND6T	8G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	2.5	413	SOUTHEND6T	9G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	409	SOUTHEND6T	10G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	409	SOUTHEND6T	11G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	2.5	409	SOUTHEND6T	12G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	2.5	409	SOUTHEND6T	13G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	2.5	413	SOUTHEND6T	14G
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	2.5	413	SOUTHEND6T	15G
73164 BALDWNJA 115 73187 STEVENSN 115 1	LN	289.9	121.1	282	102.8	2.8	482	ESHrstuck_new	14G
73164 BALDWNJA 115 73187 STEVENSN 115 1	LN	284.3	121.1	282	100.8	0.8	300	1460-387S-DCT	14G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	320.2	151.4	287	111.6	11.6	482	ESHrstuck_new	14G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	314.9	151.4	287	109.7	9.7	300	1460-387S-DCT	14G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	312.9	146.2	287	109.0	9	482	ESHrstuck_new	17G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	309.3	151.4	287	107.8	7.8	229	387SLINE	14G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	305.8	147.4	287	106.5	6.5	482	ESHrstuck_new	6G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	304.7	146.2	287	106.2	6.2	300	1460-387S-DCT	17G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	300.3	147.4	287	104.6	4.6	300	1460-387S-DCT	6G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	299.8	146.2	287	104.5	4.5	229	387SLINE	17G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	295.9	142.2	287	103.1	3.1	482	ESHrstuck_new	9G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	295.6	147.4	287	103.0	3	229	387SLINE	6G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	289.7	142.2	287	100.9	0.9	300	1460-387S-DCT	9G
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	288.1	142.2	287	100.4	0.4	482	ESHrstuck_new	22G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	451	207.2	402	112.2	12.2	453	LONGMT5TSTK	25G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	430.6	203.2	402	107.1	7.1	449	LONGMT5TSTK	21G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	430.3	207.2	402	107.0	7	233	398LINE	25G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	430.3	207.2	402	107.0	7	234	398LREAC	25G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	414.9	203.2	402	103.2	3.2	229	398LINE	21G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	414.9	203.2	402	103.2	3.2	230	398LREAC	21G
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	403.5	207.7	402	100.4	0.4	482	ESHrstuck_new	17G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.5	289	123.2	23.2	262	1440-1450DCT	16G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.6	289	123.2	23.2	262	1440-1450DCT	17G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.6	289	123.2	23.2	258	1440-1450DCT	18G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.9	289	123.2	23.2	258	1440-1450DCT	19G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.5	289	123.2	23.2	258	1440-1450DCT	20G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.7	289	123.2	23.2	258	1440-1450DCT	21G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.4	289	123.2	23.2	262	1440-1450DCT	22G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.8	289	123.2	23.2	262	1440-1450DCT	23G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.4	289	123.2	23.2	262	1440-1450DCT	24G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.5	289	123.2	23.2	262	1440-1450DCT	25G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.6	289	123.2	23.2	258	1440-1450DCT	2G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	113	289	123.2	23.2	258	1440-1450DCT	3G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.6	289	123.2	23.2	258	1440-1450DCT	4G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.7	289	123.2	23.2	258	1440-1450DCT	5G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.5	289	123.2	23.2	262	1440-1450DCT	6G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.8	289	123.2	23.2	262	1440-1450DCT	7G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.5	289	123.2	23.2	262	1440-1450DCT	8G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.6	289	123.2	23.2	262	1440-1450DCT	9G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.7	289	123.2	23.2	258	1440-1450DCT	10G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	113	289	123.2	23.2	258	1440-1450DCT	11G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.6	289	123.2	23.2	258	1440-1450DCT	12G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.8	289	123.2	23.2	258	1440-1450DCT	13G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.6	289	123.2	23.2	262	1440-1450DCT	14G
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.9	289	123.2	23.2	262	1440-1450DCT	15G
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	454.4	179.6	439	103.5	3.5	294	1867-1890DCT	25G
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	452.2	178.7	439	103.0	3	294	1867-1890DCT	9G
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	450.4	178	439	102.6	2.6	294	1867-1890DCT	17G
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	449.1	177.7	439	102.3	2.3	290	1867-1890DCT	21G
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	447	176.8	439	101.8	1.8	290	1867-1890DCT	5G
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	445.3	176.1	439	101.4	1.4	290	1867-1890DCT	13G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	431.8	172.2	279	154.8	54.8	293	1867-1880DCT	25G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

100% < Loading < 105%

Sorted by branch, then loading

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	430.9	172.1	279	154.5	54.5	293	1867-1880DCT	9G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	430.2	172	279	154.2	54.2	293	1867-1880DCT	17G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	429.4	171.6	279	153.9	53.9	289	1867-1880DCT	21G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	428.5	171.5	279	153.6	53.6	289	1867-1880DCT	5G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	427.7	171.4	279	153.3	53.3	289	1867-1880DCT	13G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	422.8	170.7	279	151.5	51.5	293	1867-1880DCT	24G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	421.8	170.6	279	151.2	51.2	289	1867-1880DCT	20G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	421.9	170.6	279	151.2	51.2	293	1867-1880DCT	8G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	421.2	170.5	279	151.0	51	293	1867-1880DCT	16G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	420.9	170.5	279	150.8	50.8	289	1867-1880DCT	4G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	420	170.4	279	150.5	50.5	289	1867-1880DCT	12G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	288.5	170.4	279	103.4	3.4	256	1416-1880DCT	12G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	288	170.5	279	103.2	3.2	256	1416-1880DCT	4G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	287.5	170.5	279	103.1	3.1	260	1416-1880DCT	16G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	287.5	170.6	279	103.0	3	256	1416-1880DCT	20G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	287.1	170.6	279	102.9	2.9	260	1416-1880DCT	8G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	286.6	170.7	279	102.7	2.7	260	1416-1880DCT	24G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	282.5	171.4	279	101.2	1.2	256	1416-1880DCT	13G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	282	172	279	101.1	1.1	260	1416-1880DCT	17G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	282	171.5	279	101.1	1.1	256	1416-1880DCT	5G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	281.6	171.6	279	100.9	0.9	256	1416-1880DCT	21G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	281.5	172.1	279	100.9	0.9	260	1416-1880DCT	9G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	281.2	170.4	279	100.8	0.8	255	1416-1867DCT	12G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	281	172.2	279	100.7	0.7	260	1416-1880DCT	25G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	280.8	170.5	279	100.6	0.6	255	1416-1867DCT	4G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	280.2	170.5	279	100.4	0.4	259	1416-1867DCT	16G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	280.2	170.6	279	100.4	0.4	255	1416-1867DCT	20G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	279.8	170.6	279	100.3	0.3	259	1416-1867DCT	8G
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	279.3	170.7	279	100.1	0.1	259	1416-1867DCT	24G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	432.1	165.3	289	149.5	49.5	296	1880-1890DCT	25G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	430	164.5	289	148.8	48.8	296	1880-1890DCT	9G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	428.2	163.8	289	148.2	48.2	296	1880-1890DCT	17G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	427.9	163.5	289	148.1	48.1	292	1880-1890DCT	21G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	425.9	162.6	289	147.4	47.4	292	1880-1890DCT	5G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	424.1	162	289	146.8	46.8	292	1880-1890DCT	13G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	406.1	154.6	289	140.5	40.5	296	1880-1890DCT	24G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	403.9	153.7	289	139.8	39.8	296	1880-1890DCT	8G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	402.2	152.9	289	139.2	39.2	292	1880-1890DCT	20G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	402.1	153	289	139.1	39.1	296	1880-1890DCT	16G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	400	152.1	289	138.4	38.4	292	1880-1890DCT	4G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	398.2	151.4	289	137.8	37.8	292	1880-1890DCT	12G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	351.9	149.5	289	121.8	21.8	296	1880-1890DCT	22G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	349.8	148.6	289	121.0	21	296	1880-1890DCT	6G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	348.1	147.9	289	120.4	20.4	296	1880-1890DCT	14G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	347.6	147.5	289	120.3	20.3	292	1880-1890DCT	18G
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	345.4	146.7	289	119.5	19.5	292	1880-1890DCT	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus **	** To bus	** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	343.8	146.1	289	119.0	19	292	1880-1890DCT	10G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	341.5	145	289	118.2	18.2	296	1880-1890DCT	23G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	339.3	144.1	289	117.4	17.4	296	1880-1890DCT	7G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	337.6	143.4	289	116.8	16.8	292	1880-1890DCT	19G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	337.7	143.5	289	116.8	16.8	296	1880-1890DCT	15G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	335.4	142.5	289	116.1	16.1	292	1880-1890DCT	3G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	334	149.5	289	115.6	15.6	260	1416-1880DCT	22G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	333.8	141.8	289	115.5	15.5	292	1880-1890DCT	11G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	333.5	148.6	289	115.4	15.4	260	1416-1880DCT	6G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	333	147.9	289	115.2	15.2	260	1416-1880DCT	14G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	332.6	147.5	289	115.1	15.1	256	1416-1880DCT	18G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	332.2	146.7	289	114.9	14.9	256	1416-1880DCT	2G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	331.8	146.1	289	114.8	14.8	256	1416-1880DCT	10G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	331.4	145	289	114.7	14.7	260	1416-1880DCT	23G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	330.9	144.1	289	114.5	14.5	260	1416-1880DCT	7G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	330.4	143.4	289	114.3	14.3	256	1416-1880DCT	19G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	330.2	143.5	289	114.3	14.3	260	1416-1880DCT	15G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	329.9	142.5	289	114.2	14.2	256	1416-1880DCT	3G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	329.6	141.8	289	114.0	14	256	1416-1880DCT	11G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	306	149.5	289	105.9	5.9	297	1880-1977DCT	22G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	305.5	148.6	289	105.7	5.7	297	1880-1977DCT	6G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	305.1	147.9	289	105.6	5.6	297	1880-1977DCT	14G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	304.6	147.5	289	105.4	5.4	293	1880-1977DCT	18G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	304.2	146.7	289	105.3	5.3	293	1880-1977DCT	2G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	303.8	146.1	289	105.1	5.1	293	1880-1977DCT	10G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	303.4	145	289	105.0	5	297	1880-1977DCT	23G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	302.9	144.1	289	104.8	4.8	297	1880-1977DCT	7G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	302.4	143.4	289	104.6	4.6	293	1880-1977DCT	19G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	302.2	143.5	289	104.6	4.6	297	1880-1977DCT	15G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	301.9	142.5	289	104.5	4.5	293	1880-1977DCT	3G
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	301.6	141.8	289	104.4	4.4	293	1880-1977DCT	11G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	393.2	174	274	143.5	43.5	290	1867-1890DCT	20G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	393	175.1	274	143.4	43.4	290	1867-1890DCT	4G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	392.5	175.9	274	143.2	43.2	290	1867-1890DCT	12G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	392.2	171.3	274	143.1	43.1	294	1867-1890DCT	24G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	392.1	156	274	143.1	43.1	294	1867-1890DCT	25G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	391.7	173.4	274	143.0	43	294	1867-1890DCT	16G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	391.9	158.4	274	143.0	43	294	1867-1890DCT	17G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	391.9	172.4	274	143.0	43	294	1867-1890DCT	8G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	391.9	157.3	274	143.0	43	294	1867-1890DCT	9G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	388.5	157.2	274	141.8	41.8	290	1867-1890DCT	21G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	388.4	158.4	274	141.8	41.8	290	1867-1890DCT	5G
73169 RYTN J A 115	73171 NWLK HAR 115	1	LN	388.3	159.3	274	141.7	41.7	290	1867-1890DCT	13G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	473.8	248.6	256	185.1	85.1	259	1416-1867DCT	22G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	470.3	246.3	256	183.7	83.7	259	1416-1867DCT	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	467.9	244.1	256	182.8	82.8	255	1416-1867DCT	18G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

Sorted by branch, then loading

100% < Loading < 105%

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115 73172 NORWALK 115 1	LN	467.9	244.7	256	182.8	82.8	259	1416-1867DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	464.6	241.9	256	181.5	81.5	255	1416-1867DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	462.2	240.3	256	180.5	80.5	255	1416-1867DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	461.8	239.1	256	180.4	80.4	259	1416-1867DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	461.4	248.6	256	180.2	80.2	294	1867-1890DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	458.5	236.9	256	179.1	79.1	259	1416-1867DCT	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	458.3	246.3	256	179.0	79	294	1867-1890DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	456.6	244.1	256	178.4	78.4	290	1867-1890DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	456.2	244.7	256	178.2	78.2	294	1867-1890DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	455.9	234.7	256	178.1	78.1	255	1416-1867DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	453.6	233.8	256	177.2	77.2	259	1416-1867DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	453.7	241.9	256	177.2	77.2	290	1867-1890DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	452.6	232.4	256	176.8	76.8	255	1416-1867DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	452.1	239.1	256	176.6	76.6	294	1867-1890DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	451.4	240.3	256	176.3	76.3	290	1867-1890DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	450.3	230.8	256	175.9	75.9	255	1416-1867DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	449	236.9	256	175.4	75.4	294	1867-1890DCT	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	446.7	234.7	256	174.5	74.5	290	1867-1890DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	446.8	248.6	256	174.5	74.5	295	1867-1977DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	444.1	233.8	256	173.5	73.5	294	1867-1890DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	443.7	232.4	256	173.3	73.3	290	1867-1890DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	443.4	246.3	256	173.2	73.2	295	1867-1977DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	441.6	230.8	256	172.5	72.5	290	1867-1890DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	441	244.7	256	172.3	72.3	295	1867-1977DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	440.9	244.1	256	172.2	72.2	291	1867-1977DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	437.7	241.9	256	171.0	71	291	1867-1977DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	435.3	240.3	256	170.0	70	291	1867-1977DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	434.9	239.1	256	169.9	69.9	295	1867-1977DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	431.6	236.9	256	168.6	68.6	295	1867-1977DCT	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	428.9	234.7	256	167.5	67.5	291	1867-1977DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	426.7	233.8	256	166.7	66.7	295	1867-1977DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	425.7	232.4	256	166.3	66.3	291	1867-1977DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	423.4	230.8	256	165.4	65.4	291	1867-1977DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	413	248.6	256	161.3	61.3	55	1389LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	409	246.3	256	159.8	59.8	55	1389LINE	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	406.2	244.1	256	158.7	58.7	51	1389LINE	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	406.1	244.7	256	158.6	58.6	55	1389LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	405.7	248.6	256	158.5	58.5	247	113091001DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	404.4	246.3	256	158.0	58	247	113091001DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.7	244.1	256	157.7	57.7	243	113091001DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.7	244.7	256	157.7	57.7	247	113091001DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	402.9	239.1	256	157.4	57.4	247	113091001DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	402.6	241.9	256	157.3	57.3	243	113091001DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	402.4	241.9	256	157.2	57.2	51	1389LINE	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	402	240.3	256	157.0	57	243	113091001DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	401.8	236.9	256	156.9	56.9	247	113091001DCT	7G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115 73172 NORWALK 115 1	LN	401.1	234.7	256	156.7	56.7	243	113091001DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	400	232.4	256	156.2	56.2	243	113091001DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	399.3	230.8	256	156.0	56	243	113091001DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	399.4	240.3	256	156.0	56	51	1389LINE	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	399.2	233.8	256	155.9	55.9	247	113091001DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	398.2	239.1	256	155.5	55.5	55	1389LINE	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	396.2	248.6	256	154.8	54.8	367	FLAXHILL2T	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	394.2	236.9	256	154.0	54	55	1389LINE	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	392.4	246.3	256	153.3	53.3	367	FLAXHILL2T	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	391	234.7	256	152.7	52.7	51	1389LINE	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	389.5	244.1	256	152.2	52.2	363	FLAXHILL2T	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	389.7	244.7	256	152.2	52.2	367	FLAXHILL2T	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	389.1	233.8	256	152.0	52	55	1389LINE	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	387.1	232.4	256	151.2	51.2	51	1389LINE	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	385.9	241.9	256	150.7	50.7	363	FLAXHILL2T	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	384.2	230.8	256	150.1	50.1	51	1389LINE	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	383.1	240.3	256	149.6	49.6	363	FLAXHILL2T	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	381.9	248.6	256	149.2	49.2	153	1867LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	381.9	248.6	256	149.2	49.2	397	NORWLKHAR7T	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	381.7	239.1	256	149.1	49.1	367	FLAXHILL2T	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	378.1	246.3	256	147.7	47.7	153	1867LINE	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	378.1	246.3	256	147.7	47.7	397	NORWLKHAR7T	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	377.9	236.9	256	147.6	47.6	367	FLAXHILL2T	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.3	244.1	256	146.6	46.6	149	1867LINE	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.3	244.7	256	146.6	46.6	153	1867LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.3	244.1	256	146.6	46.6	393	NORWLKHAR7T	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.3	244.7	256	146.6	46.6	397	NORWLKHAR7T	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	374.5	234.7	256	146.3	46.3	363	FLAXHILL2T	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.9	233.8	256	145.7	45.7	367	FLAXHILL2T	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.5	248.6	256	145.5	45.5	246	1130-1430DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.4	246.3	256	145.1	45.1	246	1130-1430DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.5	241.9	256	145.1	45.1	149	1867LINE	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.5	241.9	256	145.1	45.1	393	NORWLKHAR7T	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.8	244.7	256	144.9	44.9	246	1130-1430DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.8	232.4	256	144.9	44.9	363	FLAXHILL2T	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.5	244.1	256	144.7	44.7	242	1130-1430DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.3	248.6	256	144.6	44.6	261	1416-1890DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370	239.1	256	144.5	44.5	246	1130-1430DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.7	241.9	256	144.4	44.4	242	1130-1430DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.1	236.9	256	144.2	44.2	246	1130-1430DCT	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.1	240.3	256	144.2	44.2	242	1130-1430DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.3	246.3	256	144.2	44.2	261	1416-1890DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.7	244.7	256	144.0	44	261	1416-1890DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.6	240.3	256	144.0	44	149	1867LINE	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.6	240.3	256	144.0	44	393	NORWLKHAR7T	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.3	234.7	256	143.9	43.9	242	1130-1430DCT	19G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.3	244.1	256	143.9	43.9	257	1416-1890DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368	230.8	256	143.8	43.8	363	FLAXHILL2T	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.9	239.1	256	143.7	43.7	261	1416-1890DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.6	241.9	256	143.6	43.6	257	1416-1890DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.4	232.4	256	143.5	43.5	242	1130-1430DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.4	239.1	256	143.5	43.5	153	1867LINE	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.4	239.1	256	143.5	43.5	397	NORWLKHAR7T	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367	236.9	256	143.4	43.4	261	1416-1890DCT	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.1	240.3	256	143.4	43.4	257	1416-1890DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.9	230.8	256	143.3	43.3	242	1130-1430DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.6	233.8	256	143.2	43.2	246	1130-1430DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.2	234.7	256	143.1	43.1	257	1416-1890DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	365.3	232.4	256	142.7	42.7	257	1416-1890DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.9	230.8	256	142.5	42.5	257	1416-1890DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.6	233.8	256	142.4	42.4	261	1416-1890DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	363.5	236.9	256	142.0	42	153	1867LINE	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	363.5	236.9	256	142.0	42	397	NORWLKHAR7T	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	360.2	234.7	256	140.7	40.7	149	1867LINE	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	360.2	234.7	256	140.7	40.7	393	NORWLKHAR7T	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	358.5	233.8	256	140.0	40	153	1867LINE	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	358.5	233.8	256	140.0	40	397	NORWLKHAR7T	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	356.4	232.4	256	139.2	39.2	149	1867LINE	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	356.4	232.4	256	139.2	39.2	393	NORWLKHAR7T	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	353.6	230.8	256	138.1	38.1	149	1867LINE	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	353.6	230.8	256	138.1	38.1	393	NORWLKHAR7T	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	346.5	248.6	256	135.4	35.4	298	1890-1977DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345.5	246.3	256	135.0	35	298	1890-1977DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345	244.7	256	134.8	34.8	298	1890-1977DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	344.7	244.1	256	134.6	34.6	294	1890-1977DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	344.2	239.1	256	134.5	34.5	298	1890-1977DCT	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	343.9	241.9	256	134.3	34.3	294	1890-1977DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	343.3	236.9	256	134.1	34.1	298	1890-1977DCT	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	343.3	240.3	256	134.1	34.1	294	1890-1977DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	342.6	234.7	256	133.8	33.8	294	1890-1977DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	341.7	232.4	256	133.5	33.5	294	1890-1977DCT	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	341.3	230.8	256	133.3	33.3	294	1890-1977DCT	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	340.9	233.8	256	133.2	33.2	298	1890-1977DCT	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	322.1	248.6	256	125.8	25.8	199	91001LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	320.2	246.3	256	125.1	25.1	199	91001LINE	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	318.9	244.7	256	124.6	24.6	199	91001LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	318.7	244.1	256	124.5	24.5	195	91001LINE	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	316.9	241.9	256	123.8	23.8	195	91001LINE	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	315.6	239.1	256	123.3	23.3	199	91001LINE	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	315.7	240.3	256	123.3	23.3	195	91001LINE	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	313.8	236.9	256	122.6	22.6	199	91001LINE	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	312.3	234.7	256	122.0	22	195	91001LINE	19G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115 73172 NORWALK 115 1	LN	310.9	233.8	256	121.4	21.4	199	91001LINE	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	310.5	232.4	256	121.3	21.3	195	91001LINE	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	309.2	230.8	256	120.8	20.8	195	91001LINE	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	302.3	248.6	256	118.1	18.1	28	1130LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	301	248.6	256	117.6	17.6	328	ASHCREEKBKR	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	300.8	248.6	256	117.5	17.5	400	PEQUON12TSTK	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	300.4	246.3	256	117.4	17.4	28	1130LINE	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299.3	246.3	256	116.9	16.9	328	ASHCREEKBKR	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299.1	244.7	256	116.8	16.8	28	1130LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298.6	244.1	256	116.7	16.7	24	1130LINE	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298.7	246.3	256	116.7	16.7	400	PEQUON12TSTK	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298.2	244.7	256	116.5	16.5	328	ASHCREEKBKR	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	297.7	244.1	256	116.3	16.3	324	ASHCREEKBKR	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	248.6	248.6	214	116.2	16.2		** Base Case	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	297.3	244.7	256	116.1	16.1	400	PEQUON12TSTK	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.9	241.9	256	116.0	16	24	1130LINE	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.5	244.1	256	115.8	15.8	396	PEQUON12TSTK	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.1	241.9	256	115.7	15.7	324	ASHCREEKBKR	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.1	248.6	256	115.6	15.6	59	1430LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.6	240.3	256	115.5	15.5	24	1130LINE	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.1	239.1	256	115.3	15.3	28	1130LINE	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295	240.3	256	115.2	15.2	324	ASHCREEKBKR	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	246.3	246.3	214	115.1	15.1		** Base Case	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294.7	239.1	256	115.1	15.1	328	ASHCREEKBKR	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294.3	246.3	256	115.0	15	59	1430LINE	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294.2	241.9	256	114.9	14.9	396	PEQUON12TSTK	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.3	236.9	256	114.6	14.6	28	1130LINE	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.1	244.7	256	114.5	14.5	59	1430LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.1	236.9	256	114.5	14.5	328	ASHCREEKBKR	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.8	248.6	256	114.4	14.4	29	1130+1416LNS	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.9	240.3	256	114.4	14.4	396	PEQUON12TSTK	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	244.7	244.7	214	114.3	14.3		** Base Case	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.7	244.1	256	114.3	14.3	55	1430LINE	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	244.1	244.1	214	114.1	14.1		** Base Case	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.9	239.1	256	114.0	14	400	PEQUON12TSTK	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.5	234.7	256	113.9	13.9	24	1130LINE	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.5	234.7	256	113.9	13.9	324	ASHCREEKBKR	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.3	248.6	256	113.8	13.8	410	SASCOCR1T	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.9	246.3	256	113.7	13.7	29	1130+1416LNS	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.1	241.9	256	113.7	13.7	55	1430LINE	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.9	248.6	256	113.6	13.6	372	GLENBROOK8T	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.4	233.8	256	113.5	13.5	28	1130LINE	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.7	248.6	256	113.5	13.5	58	1416LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.6	248.6	256	113.5	13.5	158	1890LINE	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.4	233.8	256	113.5	13.5	328	ASHCREEKBKR	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.6	248.6	256	113.5	13.5	393	NORWLKHAR1T	22G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115	73172 NORWALK 115	1	LN	290	240.3	256	113.3	13.3	55	1430LINE	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.9	236.9	256	113.3	13.3	400	PEQUON12TSTK	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.7	232.4	256	113.2	13.2	24	1130LINE	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.9	239.1	256	113.2	13.2	59	1430LINE	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.9	232.4	256	113.2	13.2	324	ASHCREEKBKR	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.7	244.7	256	113.1	13.1	29	1130+1416LNS	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.6	246.3	256	113.1	13.1	410	SASCOCR1T	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	241.9	241.9	214	113.0	13		** Base Case	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.2	246.3	256	113.0	13	372	GLENBROOK8T	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	289.1	244.1	256	112.9	12.9	25	1130+1416LNS	18G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.8	246.3	256	112.8	12.8	58	1416LINE	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.9	246.3	256	112.8	12.8	158	1890LINE	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.9	230.8	256	112.8	12.8	324	ASHCREEKBKR	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.9	246.3	256	112.8	12.8	393	NORWLKHAR1T	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.5	230.8	256	112.7	12.7	24	1130LINE	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.5	244.7	256	112.7	12.7	410	SASCOCR1T	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.2	236.9	256	112.6	12.6	59	1430LINE	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288.1	244.7	256	112.5	12.5	372	GLENBROOK8T	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	288	244.1	256	112.5	12.5	406	SASCOCR1T	18G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.8	244.7	256	112.4	12.4	158	1890LINE	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.8	244.7	256	112.4	12.4	393	NORWLKHAR1T	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	240.3	240.3	214	112.3	12.3		** Base Case	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.4	241.9	256	112.3	12.3	25	1130+1416LNS	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.5	244.7	256	112.3	12.3	58	1416LINE	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.6	244.1	256	112.3	12.3	368	GLENBROOK8T	18G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.5	234.7	256	112.3	12.3	396	PEQUON12TSTK	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.3	244.1	256	112.2	12.2	154	1890LINE	18G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287.3	244.1	256	112.2	12.2	389	NORWLKHAR1T	18G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287	244.1	256	112.1	12.1	54	1416LINE	18G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	287	233.8	256	112.1	12.1	400	PEQUON12TSTK	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	286.7	234.7	256	112.0	12	55	1430LINE	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	286.4	241.9	256	111.9	11.9	406	SASCOCR1T	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	286.2	240.3	256	111.8	11.8	25	1130+1416LNS	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	239.1	239.1	214	111.7	11.7		** Base Case	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	286	241.9	256	111.7	11.7	368	GLENBROOK8T	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.7	239.1	256	111.6	11.6	29	1130+1416LNS	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.7	241.9	256	111.6	11.6	154	1890LINE	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.7	241.9	256	111.6	11.6	389	NORWLKHAR1T	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.6	232.4	256	111.6	11.6	396	PEQUON12TSTK	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.5	233.8	256	111.5	11.5	59	1430LINE	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.3	240.3	256	111.5	11.5	406	SASCOCR1T	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.3	241.9	256	111.4	11.4	54	1416LINE	2G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285.2	239.1	256	111.4	11.4	410	SASCOCR1T	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	285	232.4	256	111.3	11.3	55	1430LINE	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.9	240.3	256	111.3	11.3	368	GLENBROOK8T	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.6	240.3	256	111.2	11.2	154	1890LINE	10G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
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Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.7	239.1	256	111.2	11.2	372	GLENBROOK8T	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.6	240.3	256	111.2	11.2	389	NORWLKHAR1T	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.5	239.1	256	111.1	11.1	158	1890LINE	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.5	239.1	256	111.1	11.1	393	NORWLKHAR1T	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284.3	230.8	256	111.0	11	396	PEQUON12TSTK	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	283.9	236.9	256	110.9	10.9	29	1130+1416LNS	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	284	240.3	256	110.9	10.9	54	1416LINE	10G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	283.9	230.8	256	110.9	10.9	55	1430LINE	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	283.6	239.1	256	110.8	10.8	58	1416LINE	23G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	283.5	236.9	256	110.8	10.8	410	SASCOCR1T	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	236.9	236.9	214	110.7	10.7		** Base Case	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	283.1	236.9	256	110.6	10.6	372	GLENBROOK8T	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	282.8	236.9	256	110.5	10.5	158	1890LINE	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	282.8	236.9	256	110.5	10.5	393	NORWLKHAR1T	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	282.1	234.7	256	110.2	10.2	25	1130+1416LNS	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	281.8	236.9	256	110.1	10.1	58	1416LINE	7G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	282	234.7	256	110.1	10.1	406	SASCOCR1T	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	281.5	234.7	256	110.0	10	368	GLENBROOK8T	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	281.3	234.7	256	109.9	9.9	154	1890LINE	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	281.3	234.7	256	109.9	9.9	389	NORWLKHAR1T	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	281.1	233.8	256	109.8	9.8	29	1130+1416LNS	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	234.7	234.7	214	109.7	9.7		** Base Case	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.8	233.8	256	109.7	9.7	410	SASCOCR1T	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.6	248.6	256	109.6	9.6	345	DARIEN1T	22G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.3	232.4	256	109.5	9.5	25	1130+1416LNS	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.3	233.8	256	109.5	9.5	372	GLENBROOK8T	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.4	232.4	256	109.5	9.5	406	SASCOCR1T	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.1	234.7	256	109.4	9.4	54	1416LINE	19G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.1	233.8	256	109.4	9.4	158	1890LINE	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	280.1	233.8	256	109.4	9.4	393	NORWLKHAR1T	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	233.8	233.8	214	109.3	9.3		** Base Case	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	279.9	232.4	256	109.3	9.3	368	GLENBROOK8T	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	279.6	232.4	256	109.2	9.2	154	1890LINE	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	279.6	232.4	256	109.2	9.2	389	NORWLKHAR1T	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	279.3	230.8	256	109.1	9.1	406	SASCOCR1T	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	279.1	230.8	256	109.0	9	25	1130+1416LNS	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	279	233.8	256	109.0	9	58	1416LINE	15G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	278.8	246.3	256	108.9	8.9	345	DARIEN1T	6G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	278.8	230.8	256	108.9	8.9	368	GLENBROOK8T	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	278.6	230.8	256	108.8	8.8	154	1890LINE	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	278.6	230.8	256	108.8	8.8	389	NORWLKHAR1T	11G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	278.3	232.4	256	108.7	8.7	54	1416LINE	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	232.4	232.4	214	108.6	8.6		** Base Case	3G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	277.5	244.7	256	108.4	8.4	345	DARIEN1T	14G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	277.6	248.6	256	108.4	8.4	413	SOUTHEND6T	22G
73169 RYTN J A 115	73172 NORWALK 115	1	LN	277	230.8	256	108.2	8.2	54	1416LINE	11G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115 73172 NORWALK 115 1	LN	276.9	248.6	256	108.2	8.2	164	1977LINENEW	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	276.9	244.1	256	108.2	8.2	341	DARIEN1T	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	230.8	230.8	214	107.9	7.9		** Base Case	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	275.7	246.3	256	107.7	7.7	413	SOUTHEND6T	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	275.3	241.9	256	107.5	7.5	341	DARIEN1T	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	275.1	246.3	256	107.4	7.4	164	1977LINENEW	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	274.5	244.7	256	107.2	7.2	413	SOUTHEND6T	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	274.1	240.3	256	107.1	7.1	341	DARIEN1T	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.9	244.1	256	107.0	7	409	SOUTHEND6T	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.8	244.7	256	106.9	6.9	164	1977LINENEW	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.5	239.1	256	106.8	6.8	345	DARIEN1T	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.2	244.1	256	106.7	6.7	160	1977LINENEW	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	272.2	241.9	256	106.3	6.3	409	SOUTHEND6T	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	271.8	236.9	256	106.2	6.2	345	DARIEN1T	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	271.5	241.9	256	106.1	6.1	160	1977LINENEW	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	271	240.3	256	105.8	5.8	409	SOUTHEND6T	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	270.3	240.3	256	105.6	5.6	160	1977LINENEW	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	270.5	239.1	256	105.6	5.6	413	SOUTHEND6T	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	269.8	239.1	256	105.4	5.4	164	1977LINENEW	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	269.9	234.7	256	105.4	5.4	341	DARIEN1T	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	269.1	233.8	256	105.1	5.1	345	DARIEN1T	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	268.7	236.9	256	104.9	4.9	413	SOUTHEND6T	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	268.3	232.4	256	104.8	4.8	341	DARIEN1T	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	268	236.9	256	104.7	4.7	164	1977LINENEW	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	267.9	248.6	256	104.7	4.7	412	SOUTHEND5T	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	267.1	230.8	256	104.3	4.3	341	DARIEN1T	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	266.9	234.7	256	104.3	4.3	409	SOUTHEND6T	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	266.2	234.7	256	104.0	4	160	1977LINENEW	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	266.1	246.3	256	104.0	4	412	SOUTHEND5T	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.9	244.7	256	103.9	3.9	203	312+393LNS	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	266	244.7	256	103.9	3.9	204	312+393REAC	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.9	244.7	256	103.9	3.9	202	312LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.9	233.8	256	103.9	3.9	413	SOUTHEND6T	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.7	244.7	256	103.8	3.8	458	NMSTBKREAC	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.7	244.7	256	103.8	3.8	457	NOMNTSTBKR	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.2	233.8	256	103.6	3.6	164	1977LINENEW	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.2	232.4	256	103.6	3.6	409	SOUTHEND6T	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.9	244.7	256	103.5	3.5	412	SOUTHEND5T	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.5	232.4	256	103.3	3.3	160	1977LINENEW	3G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.2	248.6	256	103.2	3.2	475	SNGPEQ-XFR	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.3	244.1	256	103.2	3.2	408	SOUTHEND5T	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	263.9	230.8	256	103.1	3.1	409	SOUTHEND6T	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	263.7	244.7	256	103.0	3	230	393LINE	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	263.6	248.6	256	103.0	3	299	8100-8200DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	263.3	230.8	256	102.8	2.8	160	1977LINENEW	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	262.6	241.9	256	102.6	2.6	408	SOUTHEND5T	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

Sorted by branch, then loading

100% < Loading < 105%

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73169 RYTN J A 115 73172 NORWALK 115 1	LN	262.5	244.1	256	102.5	2.5	295	8100-8200DCT	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.6	246.3	256	102.2	2.2	475	SNGPEQ-XFR	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.4	240.3	256	102.1	2.1	408	SOUTHEND5T	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.2	246.3	256	102.0	2	299	8100-8200DCT	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.9	239.1	256	101.9	1.9	412	SOUTHEND5T	23G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.5	240.3	256	101.7	1.7	199	312+393LNS	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.5	240.3	256	101.7	1.7	200	312+393REAC	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.5	240.3	256	101.7	1.7	198	312LINE	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.2	240.3	256	101.7	1.7	454	NMSTBKREAC	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.2	240.3	256	101.7	1.7	453	NOMNTSTBKR	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.2	241.9	256	101.6	1.6	295	8100-8200DCT	2G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.7	234.7	256	101.5	1.5	296	1460-387S-DCT	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.9	234.7	256	101.5	1.5	225	387SLINE	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.7	244.7	256	101.5	1.5	475	SNGPEQ-XFR	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.5	244.7	256	101.3	1.3	299	8100-8200DCT	14G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.2	236.9	256	101.2	1.2	412	SOUTHEND5T	7G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.5	240.3	256	101.0	1	295	8100-8200DCT	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.5	244.1	256	101.0	1	471	SNGPEQ-XFR	18G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.2	240.3	256	100.9	0.9	226	393LINE	10G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.3	230.8	256	100.9	0.9	229	398LINE	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.3	230.8	256	100.9	0.9	230	398LREAC	11G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.1	248.6	256	100.8	0.8	255	1310-1763DCT	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.1	248.6	256	100.8	0.8	357	DEVON24TSTK	22G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	257.4	234.7	256	100.5	0.5	408	SOUTHEND5T	19G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.9	233.8	256	100.4	0.4	233	398LINE	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.9	233.8	256	100.4	0.4	234	398LREAC	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.9	246.3	256	100.4	0.4	458	NMSTBKREAC	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.9	246.3	256	100.4	0.4	457	NOMNTSTBKR	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.8	246.3	256	100.3	0.3	203	312+393LNS	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.8	246.3	256	100.3	0.3	204	312+393REAC	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.8	246.3	256	100.3	0.3	202	312LINE	6G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.5	233.8	256	100.2	0.2	412	SOUTHEND5T	15G
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.1	241.9	256	100.1	0.1	471	SNGPEQ-XFR	2G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	249.7	79.4	138	180.9	80.9	431	TRIANGLE3T	15G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	249.5	79.1	138	180.8	80.8	431	TRIANGLE3T	22G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	248	79.1	138	179.7	79.7	431	TRIANGLE3T	17G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	247.9	79	138	179.6	79.6	431	TRIANGLE3T	6G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	247.6	79	138	179.4	79.4	431	TRIANGLE3T	25G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	247.6	79	138	179.4	79.4	431	TRIANGLE3T	9G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	247.3	79	138	179.2	79.2	431	TRIANGLE3T	14G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	238	79.2	138	172.4	72.4	427	TRIANGLE3T	18G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	237.5	79.2	138	172.1	72.1	427	TRIANGLE3T	2G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	237.1	79.4	138	171.8	71.8	431	TRIANGLE3T	23G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	237	79.2	138	171.8	71.8	427	TRIANGLE3T	10G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	236.9	79.3	138	171.7	71.7	431	TRIANGLE3T	7G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	235.9	79.2	138	171.0	71	427	TRIANGLE3T	13G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	235.9	79.1	138	170.9	70.9	427	TRIANGLE3T	21G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	235.4	79.1	138	170.6	70.6	427	TRIANGLE3T	5G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	235.1	79.5	138	170.3	70.3	427	TRIANGLE3T	12G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	234.5	79.4	138	169.9	69.9	431	TRIANGLE3T	16G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	234.2	79.3	138	169.7	69.7	427	TRIANGLE3T	19G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	233.8	79.3	138	169.4	69.4	427	TRIANGLE3T	3G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	233.7	79.4	138	169.4	69.4	431	TRIANGLE3T	8G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	233.8	79.3	138	169.4	69.4	427	TRIANGLE3T	11G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	232.8	79.3	138	168.7	68.7	431	TRIANGLE3T	24G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	196.3	79.2	138	142.2	42.2	427	TRIANGLE3T	20G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	194.8	79.4	138	141.1	41.1	427	TRIANGLE3T	4G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.6	79.4	138	104.8	4.8	32	1165LINE	16G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.3	79.3	138	104.6	4.6	28	1165LINE	3G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.4	79.4	138	104.6	4.6	32	1165LINE	8G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.4	79.3	138	104.6	4.6	28	1165LINE	11G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.3	79.5	138	104.6	4.6	28	1165LINE	12G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.1	79.4	138	104.4	4.4	32	1165LINE	23G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.1	79.4	138	104.4	4.4	28	1165LINE	4G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144	79.3	138	104.4	4.4	32	1165LINE	7G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144.1	79.4	138	104.4	4.4	32	1165LINE	15G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	144	79.3	138	104.3	4.3	28	1165LINE	19G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.9	79.3	138	104.3	4.3	32	1165LINE	24G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.8	79.2	138	104.2	4.2	28	1165LINE	18G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.8	79.2	138	104.2	4.2	28	1165LINE	20G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.8	79.2	138	104.2	4.2	28	1165LINE	2G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.8	79.2	138	104.2	4.2	28	1165LINE	10G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.8	79.2	138	104.2	4.2	28	1165LINE	13G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.6	79.1	138	104.1	4.1	28	1165LINE	5G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.5	79.1	138	104.0	4	28	1165LINE	21G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.6	79.1	138	104.0	4	32	1165LINE	22G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.4	79.1	138	103.9	3.9	32	1165LINE	17G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.4	79	138	103.9	3.9	32	1165LINE	6G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.3	79	138	103.9	3.9	32	1165LINE	9G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.3	79	138	103.8	3.8	32	1165LINE	25G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	143.3	79	138	103.8	3.8	32	1165LINE	14G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.5	79.4	138	100.4	0.4	406	PLUMTREE31T	16G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.6	79.5	138	100.4	0.4	402	PLUMTREE31T	12G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.4	79.4	138	100.3	0.3	406	PLUMTREE31T	23G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.4	79.4	138	100.3	0.3	402	PLUMTREE31T	4G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.4	79.4	138	100.3	0.3	406	PLUMTREE31T	8G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.3	0.3	402	PLUMTREE31T	11G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.4	79.4	138	100.3	0.3	406	PLUMTREE31T	15G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.2	0.2	402	PLUMTREE31T	19G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.2	0.2	402	PLUMTREE31T	3G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.2	0.2	406	PLUMTREE31T	7G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.1	79.2	138	100.1	0.1	402	PLUMTREE31T	18G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.1	79.2	138	100.1	0.1	402	PLUMTREE31T	20G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.2	79.3	138	100.1	0.1	406	PLUMTREE31T	24G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.1	79.2	138	100.1	0.1	402	PLUMTREE31T	2G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138	79.2	138	100.0	0	402	PLUMTREE31T	10G
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	138	79.2	138	100.0	0	402	PLUMTREE31T	13G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.7	84	166	134.8	34.8	236	1060-1270DCT	12G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.7	84	166	134.7	34.7	240	1060-1270DCT	16G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.4	83.9	166	134.6	34.6	240	1060-1270DCT	23G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.4	83.9	166	134.6	34.6	236	1060-1270DCT	4G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.4	83.9	166	134.6	34.6	240	1060-1270DCT	7G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.4	83.9	166	134.6	34.6	240	1060-1270DCT	8G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.4	83.9	166	134.6	34.6	236	1060-1270DCT	11G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.5	83.9	166	134.6	34.6	240	1060-1270DCT	15G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.3	83.9	166	134.5	34.5	236	1060-1270DCT	19G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.2	83.8	166	134.5	34.5	240	1060-1270DCT	24G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.3	83.9	166	134.5	34.5	236	1060-1270DCT	3G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223	83.7	166	134.4	34.4	236	1060-1270DCT	18G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223	83.7	166	134.4	34.4	236	1060-1270DCT	20G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223	83.7	166	134.4	34.4	236	1060-1270DCT	2G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223	83.7	166	134.3	34.3	236	1060-1270DCT	10G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223	83.7	166	134.3	34.3	236	1060-1270DCT	13G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.8	83.7	166	134.2	34.2	240	1060-1270DCT	22G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.8	83.7	166	134.2	34.2	236	1060-1270DCT	5G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.6	83.6	166	134.1	34.1	240	1060-1270DCT	17G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.7	83.6	166	134.1	34.1	236	1060-1270DCT	21G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.4	83.5	166	134.0	34	240	1060-1270DCT	25G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.5	83.5	166	134.0	34	240	1060-1270DCT	6G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.5	83.5	166	134.0	34	240	1060-1270DCT	9G
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.4	83.5	166	134.0	34	240	1060-1270DCT	14G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	360.1	57.9	126	285.8	185.8	430	TRIANGLE2T	15G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	359.6	57.7	126	285.4	185.4	430	TRIANGLE2T	22G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	359.2	57.7	126	285.1	185.1	430	TRIANGLE2T	17G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	359.1	57.6	126	285.0	185	430	TRIANGLE2T	6G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	359	57.6	126	285.0	185	430	TRIANGLE2T	9G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	359	57.6	126	284.9	184.9	430	TRIANGLE2T	25G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	359	57.6	126	284.9	184.9	430	TRIANGLE2T	14G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.9	57.8	126	282.5	182.5	426	TRIANGLE2T	18G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.9	57.9	126	282.5	182.5	430	TRIANGLE2T	7G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.9	58	126	282.5	182.5	426	TRIANGLE2T	12G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.8	58	126	282.4	182.4	430	TRIANGLE2T	16G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.9	57.8	126	282.4	182.4	426	TRIANGLE2T	2G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.8	57.8	126	282.4	182.4	426	TRIANGLE2T	10G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.5	57.9	126	282.2	182.2	426	TRIANGLE2T	4G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.5	57.7	126	282.2	182.2	426	TRIANGLE2T	5G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.6	57.8	126	282.2	182.2	426	TRIANGLE2T	13G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.4	57.8	126	282.1	182.1	426	TRIANGLE2T	20G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.4	57.9	126	282.1	182.1	426	TRIANGLE2T	11G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.3	57.9	126	282.0	182	426	TRIANGLE2T	19G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.3	57.7	126	282.0	182	426	TRIANGLE2T	21G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.4	57.9	126	282.0	182	430	TRIANGLE2T	23G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.3	57.9	126	282.0	182	426	TRIANGLE2T	3G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355.4	57.9	126	282.0	182	430	TRIANGLE2T	8G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	355	57.8	126	281.7	181.7	430	TRIANGLE2T	24G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.5	58	126	180.6	80.6	239	1060-1165DCT	16G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.6	58	126	180.6	80.6	235	1060-1165DCT	12G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.3	57.9	126	180.4	80.4	239	1060-1165DCT	8G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.3	57.9	126	180.4	80.4	239	1060-1165DCT	15G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.1	57.9	126	180.3	80.3	235	1060-1165DCT	19G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.2	57.9	126	180.3	80.3	239	1060-1165DCT	23G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.1	57.9	126	180.3	80.3	235	1060-1165DCT	3G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.2	57.9	126	180.3	80.3	235	1060-1165DCT	4G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.2	57.9	126	180.3	80.3	239	1060-1165DCT	7G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227.2	57.9	126	180.3	80.3	235	1060-1165DCT	11G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	227	57.8	126	180.2	80.2	239	1060-1165DCT	24G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.8	57.8	126	180.0	80	235	1060-1165DCT	18G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.8	57.8	126	180.0	80	235	1060-1165DCT	20G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.8	57.8	126	180.0	80	235	1060-1165DCT	2G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.8	57.8	126	180.0	80	235	1060-1165DCT	10G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.8	57.8	126	180.0	80	235	1060-1165DCT	13G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.5	57.7	126	179.8	79.8	239	1060-1165DCT	22G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.5	57.7	126	179.8	79.8	235	1060-1165DCT	5G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.4	57.7	126	179.7	79.7	235	1060-1165DCT	21G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.3	57.7	126	179.6	79.6	239	1060-1165DCT	17G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.2	57.6	126	179.5	79.5	239	1060-1165DCT	6G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.2	57.6	126	179.5	79.5	239	1060-1165DCT	9G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.1	57.6	126	179.5	79.5	239	1060-1165DCT	14G
73170 PLUMTREE 115 73268 MIDDLRIV 115 1	LN	226.1	57.6	126	179.4	79.4	239	1060-1165DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	423	184.5	263	160.8	60.8	293	1867-1880DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	420.6	181.9	263	159.9	59.9	293	1867-1880DCT	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	418.7	179.7	263	159.2	59.2	293	1867-1880DCT	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	416.4	178.5	263	158.3	58.3	289	1867-1880DCT	21G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	414.1	175.8	263	157.4	57.4	289	1867-1880DCT	5G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	412.1	173.6	263	156.7	56.7	289	1867-1880DCT	13G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	399.1	152.8	263	151.7	51.7	293	1867-1880DCT	24G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	396.6	150	263	150.8	50.8	293	1867-1880DCT	8G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	396.3	148.4	263	150.7	50.7	289	1867-1880DCT	20G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	394.7	147.7	263	150.1	50.1	293	1867-1880DCT	16G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	393.9	145.5	263	149.8	49.8	289	1867-1880DCT	4G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	391.7	143.1	263	148.9	48.9	289	1867-1880DCT	12G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.7	147.7	263	108.3	8.3	247	113091001DCT	16G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.9	148.4	263	108.3	8.3	243	113091001DCT	20G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.9	145.5	263	108.3	8.3	243	113091001DCT	4G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

Sorted by branch, then loading

100% < Loading < 105%

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.9	143.1	263	108.3	8.3	243	113091001DCT	12G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.7	152.8	263	108.2	8.2	247	113091001DCT	24G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.7	150	263	108.2	8.2	247	113091001DCT	8G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.8	179.7	263	107.9	7.9	247	113091001DCT	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.7	184.5	263	107.9	7.9	247	113091001DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.8	181.9	263	107.9	7.9	247	113091001DCT	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.5	178.5	263	107.8	7.8	243	113091001DCT	21G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.6	175.8	263	107.8	7.8	243	113091001DCT	5G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.6	173.6	263	107.8	7.8	243	113091001DCT	13G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	273.3	184.5	263	103.9	3.9	392	NORWALKST2	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	271.3	184.5	263	103.2	3.2	260	1416-1880DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	270.9	184.5	263	103.0	3	297	1880-1977DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	270.6	181.9	263	102.9	2.9	392	NORWALKST2	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	269.3	184.5	263	102.4	2.4	371	GLENBROOK3T	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	269.1	181.9	263	102.3	2.3	260	1416-1880DCT	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	269.1	184.5	263	102.3	2.3	156	1880LINE	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.7	184.5	263	102.2	2.2	199	91001LINE	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.5	184.5	263	102.1	2.1	259	1416-1867DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.6	184.5	263	102.1	2.1	295	1867-1977DCT	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.6	181.9	263	102.1	2.1	297	1880-1977DCT	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.3	179.7	263	102.0	2	392	NORWALKST2	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.1	181.9	263	101.9	1.9	199	91001LINE	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	267.4	184.5	263	101.7	1.7	153	1867LINE	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	267.6	179.7	263	101.7	1.7	199	91001LINE	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	267.2	179.7	263	101.6	1.6	260	1416-1880DCT	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	267.1	178.5	263	101.6	1.6	195	91001LINE	21G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.9	181.9	263	101.5	1.5	371	GLENBROOK3T	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.7	179.7	263	101.4	1.4	297	1880-1977DCT	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.6	181.9	263	101.4	1.4	156	1880LINE	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.7	178.5	263	101.4	1.4	388	NORWALKST2	21G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.3	181.9	263	101.3	1.3	259	1416-1867DCT	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.4	181.9	263	101.3	1.3	295	1867-1977DCT	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.5	175.8	263	101.3	1.3	195	91001LINE	5G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266	173.6	263	101.1	1.1	195	91001LINE	13G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	265.9	184.5	263	101.1	1.1	367	FLAXHILL2T	25G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	265.7	178.5	263	101.0	1	256	1416-1880DCT	21G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	265	181.9	263	100.8	0.8	153	1867LINE	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	265.1	178.5	263	100.8	0.8	293	1880-1977DCT	21G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264.7	179.7	263	100.7	0.7	371	GLENBROOK3T	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264.5	179.7	263	100.6	0.6	156	1880LINE	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264.4	179.7	263	100.5	0.5	259	1416-1867DCT	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264.4	179.7	263	100.5	0.5	295	1867-1977DCT	17G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264	175.8	263	100.4	0.4	388	NORWALKST2	5G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.5	181.9	263	100.2	0.2	367	FLAXHILL2T	9G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.4	175.8	263	100.1	0.1	256	1416-1880DCT	5G
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.1	178.5	263	100.0	0	367	GLENBROOK3T	21G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	186.6	304	104.3	4.3	296	1880-1890DCT	16G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317	187.1	304	104.3	4.3	292	1880-1890DCT	20G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317	184.4	304	104.3	4.3	296	1880-1890DCT	24G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317	188.3	304	104.3	4.3	292	1880-1890DCT	4G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	185.6	304	104.3	4.3	296	1880-1890DCT	8G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	189.1	304	104.3	4.3	292	1880-1890DCT	12G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	171.5	304	104.2	4.2	296	1880-1890DCT	17G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	170.2	304	104.2	4.2	292	1880-1890DCT	21G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	169.1	304	104.2	4.2	296	1880-1890DCT	25G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	171.4	304	104.2	4.2	292	1880-1890DCT	5G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	170.4	304	104.2	4.2	296	1880-1890DCT	9G
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	172.4	304	104.2	4.2	292	1880-1890DCT	13G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	511	266.7	256	199.6	99.6	260	1416-1880DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	507.5	264.4	256	198.2	98.2	260	1416-1880DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	505.2	262.2	256	197.3	97.3	256	1416-1880DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	505	262.7	256	197.3	97.3	260	1416-1880DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	501.9	260.1	256	196.0	96	256	1416-1880DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	499.4	258.4	256	195.1	95.1	256	1416-1880DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	499.1	257.3	256	195.0	95	260	1416-1880DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	495.7	255.1	256	193.6	93.6	260	1416-1880DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	493.1	252.9	256	192.6	92.6	256	1416-1880DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	490.8	252.1	256	191.7	91.7	260	1416-1880DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	489.8	250.7	256	191.3	91.3	256	1416-1880DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	487.5	249.1	256	190.4	90.4	256	1416-1880DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	484	266.7	256	189.0	89	297	1880-1977DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	480.5	264.4	256	187.7	87.7	297	1880-1977DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	478.1	262.2	256	186.8	86.8	293	1880-1977DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	478.1	262.7	256	186.8	86.8	297	1880-1977DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	474.9	260.1	256	185.5	85.5	293	1880-1977DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	472.4	258.4	256	184.5	84.5	293	1880-1977DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	472.2	257.3	256	184.4	84.4	297	1880-1977DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	468.8	255.1	256	183.1	83.1	297	1880-1977DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	466.2	252.9	256	182.1	82.1	293	1880-1977DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	463.8	252.1	256	181.2	81.2	297	1880-1977DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	462.9	250.7	256	180.8	80.8	293	1880-1977DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	460.5	249.1	256	179.9	79.9	293	1880-1977DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	422.7	266.7	256	165.1	65.1	247	113091001DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	421.4	264.4	256	164.6	64.6	247	113091001DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	420.8	262.2	256	164.4	64.4	243	113091001DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	420.8	262.7	256	164.4	64.4	247	113091001DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	420	257.3	256	164.1	64.1	247	113091001DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	419.7	260.1	256	163.9	63.9	243	113091001DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	419.3	266.7	256	163.8	63.8	371	GLENBROOK3T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	419	258.4	256	163.7	63.7	243	113091001DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	418.9	255.1	256	163.6	63.6	247	113091001DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	418.6	266.7	256	163.5	63.5	392	NORWALKST2	22G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	418.3	252.9	256	163.4	63.4	243	113091001DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	417.8	266.7	256	163.2	63.2	156	1880LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	417.8	266.7	256	163.2	63.2	396	NORWLKHAR4T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	417.1	250.7	256	162.9	62.9	243	113091001DCT	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	416.4	249.1	256	162.7	62.7	243	113091001DCT	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	416.3	252.1	256	162.6	62.6	247	113091001DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	415.3	264.4	256	162.2	62.2	371	GLENBROOK3T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	414.3	264.4	256	161.8	61.8	392	NORWALKST2	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	413.9	264.4	256	161.7	61.7	156	1880LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	413.9	264.4	256	161.7	61.7	396	NORWLKHAR4T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	412.4	262.7	256	161.1	61.1	371	GLENBROOK3T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	412.2	262.2	256	161.0	61	367	GLENBROOK3T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	411.7	262.2	256	160.8	60.8	388	NORWALKST2	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	411.3	262.2	256	160.7	60.7	152	1880LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	411.3	262.2	256	160.7	60.7	392	NORWLKHAR4T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	411.1	262.7	256	160.6	60.6	156	1880LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	411.1	262.7	256	160.6	60.6	392	NORWALKST2	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	411.1	262.7	256	160.6	60.6	396	NORWLKHAR4T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	408.5	260.1	256	159.6	59.6	367	GLENBROOK3T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	407.5	260.1	256	159.2	59.2	152	1880LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	407.4	260.1	256	159.2	59.2	388	NORWALKST2	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	407.5	260.1	256	159.2	59.2	392	NORWLKHAR4T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	405.5	258.4	256	158.4	58.4	367	GLENBROOK3T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	404.5	258.4	256	158.0	58	152	1880LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	404.5	258.4	256	158.0	58	392	NORWLKHAR4T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	404.1	257.3	256	157.9	57.9	371	GLENBROOK3T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	404.1	258.4	256	157.8	57.8	388	NORWALKST2	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	403.4	257.3	256	157.6	57.6	156	1880LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	403.4	257.3	256	157.6	57.6	396	NORWLKHAR4T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	402.1	257.3	256	157.1	57.1	392	NORWALKST2	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	400.3	255.1	256	156.4	56.4	371	GLENBROOK3T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	399.6	255.1	256	156.1	56.1	156	1880LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	399.6	255.1	256	156.1	56.1	396	NORWLKHAR4T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	398.5	266.7	256	155.7	55.7	296	1880-1890DCT	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	397.8	255.1	256	155.4	55.4	392	NORWALKST2	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	396.9	252.9	256	155.1	55.1	367	GLENBROOK3T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	396.3	264.4	256	154.8	54.8	296	1880-1890DCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	396.3	252.9	256	154.8	54.8	152	1880LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	396.3	252.9	256	154.8	54.8	392	NORWLKHAR4T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	395.2	252.1	256	154.4	54.4	371	GLENBROOK3T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	394.6	262.7	256	154.1	54.1	296	1880-1890DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	394.4	252.1	256	154.1	54.1	156	1880LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	394.4	252.1	256	154.1	54.1	396	NORWLKHAR4T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	394.2	262.2	256	154.0	54	292	1880-1890DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	394.3	252.9	256	154.0	54	388	NORWALKST2	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	393.1	250.7	256	153.6	53.6	367	GLENBROOK3T	3G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	392.4	250.7	256	153.3	53.3	152	1880LINE	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	392.4	250.7	256	153.3	53.3	392	NORWLKHAR4T	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	392.3	252.1	256	153.2	53.2	392	NORWALKST2	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	392	260.1	256	153.1	53.1	292	1880-1890DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	390.4	258.4	256	152.5	52.5	292	1880-1890DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	390.3	249.1	256	152.5	52.5	367	GLENBROOK3T	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	390.1	250.7	256	152.4	52.4	388	NORWALKST2	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	389.6	266.7	256	152.2	52.2	246	1130-1430DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	389.6	249.1	256	152.2	52.2	152	1880LINE	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	389.6	249.1	256	152.2	52.2	392	NORWLKHAR4T	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	388.5	264.4	256	151.8	51.8	246	1130-1430DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	388.1	257.3	256	151.6	51.6	296	1880-1890DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	387.9	262.7	256	151.5	51.5	246	1130-1430DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	387.7	262.2	256	151.4	51.4	242	1130-1430DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	387.2	257.3	256	151.3	51.3	246	1130-1430DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	387	266.7	256	151.2	51.2	261	1416-1890DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	386.8	260.1	256	151.1	51.1	242	1130-1430DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	386.8	249.1	256	151.1	51.1	388	NORWALKST2	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	386.3	255.1	256	150.9	50.9	246	1130-1430DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	386.3	258.4	256	150.9	50.9	242	1130-1430DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	385.9	264.4	256	150.8	50.8	261	1416-1890DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	385.9	255.1	256	150.8	50.8	296	1880-1890DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	385.5	252.9	256	150.6	50.6	242	1130-1430DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	385.4	262.7	256	150.5	50.5	261	1416-1890DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	385	262.2	256	150.4	50.4	257	1416-1890DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	384.7	257.3	256	150.3	50.3	261	1416-1890DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	384.6	250.7	256	150.2	50.2	242	1130-1430DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	384.3	260.1	256	150.1	50.1	257	1416-1890DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	384.2	252.9	256	150.1	50.1	292	1880-1890DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	384.2	252.1	256	150.1	50.1	296	1880-1890DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	384.1	249.1	256	150.0	50	242	1130-1430DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	383.8	252.1	256	149.9	49.9	246	1130-1430DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	383.8	255.1	256	149.9	49.9	261	1416-1890DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	383.8	258.4	256	149.9	49.9	257	1416-1890DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	383	252.9	256	149.6	49.6	257	1416-1890DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	382.1	250.7	256	149.3	49.3	257	1416-1890DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	382	250.7	256	149.2	49.2	292	1880-1890DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	381.7	249.1	256	149.1	49.1	257	1416-1890DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	381.3	252.1	256	148.9	48.9	261	1416-1890DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	380.3	249.1	256	148.6	48.6	292	1880-1890DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	363.5	266.7	256	142.0	42	298	1890-1977DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	362.5	264.4	256	141.6	41.6	298	1890-1977DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	362	262.7	256	141.4	41.4	298	1890-1977DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	361.7	262.2	256	141.3	41.3	294	1890-1977DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	361.3	257.3	256	141.1	41.1	298	1890-1977DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	360.9	260.1	256	141.0	41	294	1890-1977DCT	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%
Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	360.4	255.1	256	140.8	40.8	298	1890-1977DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	360.3	258.4	256	140.8	40.8	294	1890-1977DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	359.6	252.9	256	140.5	40.5	294	1890-1977DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	358.7	250.7	256	140.1	40.1	294	1890-1977DCT	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	358.3	249.1	256	140.0	40	294	1890-1977DCT	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	358	252.1	256	139.8	39.8	298	1890-1977DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	339.9	266.7	256	132.8	32.8	199	91001LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	338	264.4	256	132.0	32	199	91001LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	336.6	262.2	256	131.5	31.5	195	91001LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	336.8	262.7	256	131.5	31.5	199	91001LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	334.9	260.1	256	130.8	30.8	195	91001LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	333.6	257.3	256	130.3	30.3	199	91001LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	333.6	258.4	256	130.3	30.3	195	91001LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	331.7	255.1	256	129.6	29.6	199	91001LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	330.3	252.9	256	129.0	29	195	91001LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	328.9	252.1	256	128.5	28.5	199	91001LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	328.5	250.7	256	128.3	28.3	195	91001LINE	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	327.3	249.1	256	127.8	27.8	195	91001LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	323.4	266.7	256	126.3	26.3	395	NORWLKHAR3T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	319.7	266.7	256	124.9	24.9	28	1130LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	319.5	264.4	256	124.8	24.8	395	NORWLKHAR3T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	266.7	266.7	214	124.6	24.6		** Base Case	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	318.9	266.7	256	124.6	24.6	328	ASHCREEKBKR	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	318.3	266.7	256	124.4	24.4	400	PEQUON12TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	317.8	264.4	256	124.1	24.1	28	1130LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	317.2	264.4	256	123.9	23.9	328	ASHCREEKBKR	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	316.5	262.7	256	123.6	23.6	28	1130LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	316.5	262.7	256	123.6	23.6	395	NORWLKHAR3T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	264.4	214	123.5	23.5		** Base Case	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	316.1	262.2	256	123.5	23.5	24	1130LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	316.1	262.7	256	123.5	23.5	328	ASHCREEKBKR	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	316.3	262.2	256	123.5	23.5	391	NORWLKHAR3T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	316.3	264.4	256	123.5	23.5	400	PEQUON12TSTK	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	315.7	262.2	256	123.3	23.3	324	ASHCREEKBKR	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	314.8	262.7	256	123.0	23	400	PEQUON12TSTK	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	262.7	262.7	214	122.8	22.8		** Base Case	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	314.3	260.1	256	122.8	22.8	24	1130LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	314.1	260.1	256	122.7	22.7	324	ASHCREEKBKR	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	314.1	262.2	256	122.7	22.7	396	PEQUON12TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	313.8	266.7	256	122.6	22.6	59	1430LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	262.2	262.2	214	122.5	22.5		** Base Case	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	313	258.4	256	122.3	22.3	24	1130LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	313	258.4	256	122.3	22.3	324	ASHCREEKBKR	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	312.8	257.3	256	122.2	22.2	328	ASHCREEKBKR	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	312.6	257.3	256	122.1	22.1	28	1130LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	312.4	260.1	256	122.0	22	391	NORWLKHAR3T	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	312.1	264.4	256	121.9	21.9	59	1430LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	311.8	260.1	256	121.8	21.8	396	PEQUON12TSTK	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	311.2	255.1	256	121.6	21.6	328	ASHCREEKBKR	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.1	260.1	214	121.5	21.5		** Base Case	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	310.9	262.7	256	121.5	21.5	59	1430LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	310.8	255.1	256	121.4	21.4	28	1130LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	310.6	262.2	256	121.3	21.3	55	1430LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	310.5	258.4	256	121.3	21.3	396	PEQUON12TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	310.3	266.7	256	121.2	21.2	29	1130+1416LNS	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	309.5	252.9	256	120.9	20.9	324	ASHCREEKBKR	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	309.5	258.4	256	120.9	20.9	391	NORWLKHAR3T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	309.6	257.3	256	120.9	20.9	400	PEQUON12TSTK	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	258.4	214	120.8	20.8		** Base Case	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	309.1	252.9	256	120.7	20.7	24	1130LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	309	260.1	256	120.7	20.7	55	1430LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.8	266.7	256	120.6	20.6	410	SASCOCR1T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.5	264.4	256	120.5	20.5	29	1130+1416LNS	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.5	252.1	256	120.5	20.5	328	ASHCREEKBKR	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.5	266.7	256	120.5	20.5	372	GLENBROOK8T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.1	266.7	256	120.4	20.4	58	1416LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.2	266.7	256	120.4	20.4	158	1890LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308.2	266.7	256	120.4	20.4	393	NORWLKHAR1T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	257.3	214	120.3	20.3		** Base Case	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308	252.1	256	120.3	20.3	28	1130LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	307.9	258.4	256	120.3	20.3	55	1430LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	308	250.7	256	120.3	20.3	324	ASHCREEKBKR	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	307.8	257.3	256	120.2	20.2	59	1430LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	307.6	255.1	256	120.2	20.2	400	PEQUON12TSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	307.2	262.7	256	120.0	20	29	1130+1416LNS	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	307.3	250.7	256	120.0	20	24	1130LINE	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	307.2	264.4	256	120.0	20	410	SASCOCR1T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.9	249.1	256	119.9	19.9	324	ASHCREEKBKR	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.8	264.4	256	119.9	19.9	372	GLENBROOK8T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.7	262.2	256	119.8	19.8	25	1130+1416LNS	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.5	264.4	256	119.7	19.7	158	1890LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.5	264.4	256	119.7	19.7	393	NORWLKHAR1T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.3	264.4	256	119.6	19.6	58	1416LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306.2	255.1	256	119.6	19.6	59	1430LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306	249.1	256	119.5	19.5	24	1130LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.8	257.3	256	119.5	19.5	395	NORWLKHAR3T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	306	262.7	256	119.5	19.5	410	SASCOCR1T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.7	262.7	256	119.4	19.4	372	GLENBROOK8T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.7	262.2	256	119.4	19.4	406	SASCOCR1T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.3	262.7	256	119.3	19.3	158	1890LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.3	262.2	256	119.3	19.3	368	GLENBROOK8T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.3	262.7	256	119.3	19.3	393	NORWLKHAR1T	14G

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Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	255.1	255.1	214	119.2	19.2		** Base Case	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305	260.1	256	119.2	19.2	25	1130+1416LNS	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305.2	252.9	256	119.2	19.2	396	PEQUON12TSTK	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305	262.7	256	119.1	19.1	58	1416LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305	262.2	256	119.1	19.1	154	1890LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	305	262.2	256	119.1	19.1	389	NORWLKHAR1T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	304.6	262.2	256	119.0	19	54	1416LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	304.6	252.9	256	119.0	19	55	1430LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	304.7	252.1	256	119.0	19	400	PEQUON12TSTK	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	304.1	260.1	256	118.8	18.8	406	SASCOCR1T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.8	258.4	256	118.7	18.7	25	1130+1416LNS	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.8	260.1	256	118.7	18.7	368	GLENBROOK8T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.3	257.3	256	118.5	18.5	29	1130+1416LNS	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.4	252.1	256	118.5	18.5	59	1430LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.4	260.1	256	118.5	18.5	154	1890LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.4	260.1	256	118.5	18.5	389	NORWLKHAR1T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303.3	250.7	256	118.5	18.5	396	PEQUON12TSTK	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303	250.7	256	118.4	18.4	55	1430LINE	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	303	258.4	256	118.4	18.4	406	SASCOCR1T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.9	260.1	256	118.3	18.3	54	1416LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.9	257.3	256	118.3	18.3	410	SASCOCR1T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	252.9	252.9	214	118.2	18.2		** Base Case	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.5	257.3	256	118.2	18.2	372	GLENBROOK8T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.6	258.4	256	118.2	18.2	368	GLENBROOK8T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.2	257.3	256	118.1	18.1	158	1890LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.3	258.4	256	118.1	18.1	154	1890LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.2	257.3	256	118.1	18.1	393	NORWLKHAR1T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302.3	258.4	256	118.1	18.1	389	NORWLKHAR1T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	302	255.1	256	118.0	18	395	NORWLKHAR3T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	301.9	249.1	256	117.9	17.9	55	1430LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	301.9	249.1	256	117.9	17.9	396	PEQUON12TSTK	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	252.1	252.1	214	117.8	17.8		** Base Case	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	301.5	255.1	256	117.8	17.8	29	1130+1416LNS	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	301.6	258.4	256	117.8	17.8	54	1416LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	301.2	257.3	256	117.7	17.7	58	1416LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	301.3	255.1	256	117.7	17.7	410	SASCOCR1T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	300.9	255.1	256	117.5	17.5	372	GLENBROOK8T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	300.6	255.1	256	117.4	17.4	158	1890LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	300.6	255.1	256	117.4	17.4	393	NORWLKHAR1T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	250.7	250.7	214	117.2	17.2		** Base Case	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299.8	252.9	256	117.1	17.1	25	1130+1416LNS	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299.7	252.9	256	117.1	17.1	406	SASCOCR1T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299.4	255.1	256	117.0	17	58	1416LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299.3	252.9	256	116.9	16.9	368	GLENBROOK8T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299	252.9	256	116.8	16.8	154	1890LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299	252.9	256	116.8	16.8	389	NORWLKHAR1T	19G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

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Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	299	252.9	256	116.8	16.8	391	NORWLKHAR3T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298.9	252.1	256	116.8	16.8	395	NORWLKHAR3T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298.7	252.1	256	116.7	16.7	29	1130+1416LNS	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298.6	252.1	256	116.6	16.6	410	SASCOCR1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298.3	266.7	256	116.5	16.5	345	DARIEN1T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298.1	252.1	256	116.5	16.5	372	GLENBROOK8T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298.1	250.7	256	116.5	16.5	406	SASCOCR1T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	249.1	249.1	214	116.4	16.4		** Base Case	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	298	250.7	256	116.4	16.4	25	1130+1416LNS	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297.7	252.9	256	116.3	16.3	54	1416LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297.8	252.1	256	116.3	16.3	158	1890LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297.7	250.7	256	116.3	16.3	368	GLENBROOK8T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297.8	252.1	256	116.3	16.3	393	NORWLKHAR1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297.4	250.7	256	116.2	16.2	154	1890LINE	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297.4	250.7	256	116.2	16.2	389	NORWLKHAR1T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	297	249.1	256	116.0	16	406	SASCOCR1T	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	296.8	249.1	256	115.9	15.9	25	1130+1416LNS	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	296.6	252.1	256	115.9	15.9	58	1416LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	296.6	249.1	256	115.9	15.9	368	GLENBROOK8T	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	296.5	264.4	256	115.8	15.8	345	DARIEN1T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	296.3	249.1	256	115.7	15.7	154	1890LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	296.3	249.1	256	115.7	15.7	389	NORWLKHAR1T	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	295.9	250.7	256	115.6	15.6	54	1416LINE	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	295.2	262.7	256	115.3	15.3	345	DARIEN1T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	295.2	250.7	256	115.3	15.3	391	NORWLKHAR3T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	295.3	266.7	256	115.3	15.3	413	SOUTHEND6T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	294.7	249.1	256	115.1	15.1	54	1416LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	294.6	266.7	256	115.1	15.1	164	1977LINENEW	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	294.7	262.2	256	115.1	15.1	341	DARIEN1T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	293.4	264.4	256	114.6	14.6	413	SOUTHEND6T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	293.1	260.1	256	114.5	14.5	341	DARIEN1T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	292.8	264.4	256	114.4	14.4	164	1977LINENEW	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	292.1	249.1	256	114.1	14.1	391	NORWLKHAR3T	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	292.1	262.7	256	114.1	14.1	413	SOUTHEND6T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	291.8	258.4	256	114.0	14	341	DARIEN1T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	291.5	262.7	256	113.9	13.9	164	1977LINENEW	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	291.7	262.2	256	113.9	13.9	409	SOUTHEND6T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	291.3	257.3	256	113.8	13.8	345	DARIEN1T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	291	262.2	256	113.7	13.7	160	1977LINENEW	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	290	260.1	256	113.3	13.3	409	SOUTHEND6T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	289.6	255.1	256	113.1	13.1	345	DARIEN1T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	289.3	260.1	256	113.0	13	160	1977LINENEW	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	288.7	258.4	256	112.8	12.8	409	SOUTHEND6T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	288.3	257.3	256	112.6	12.6	413	SOUTHEND6T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	288.1	258.4	256	112.5	12.5	160	1977LINENEW	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	287.6	257.3	256	112.4	12.4	164	1977LINENEW	23G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	287.8	252.9	256	112.4	12.4	341	DARIEN1T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	286.9	252.1	256	112.1	12.1	345	DARIEN1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	286.5	255.1	256	111.9	11.9	413	SOUTHEND6T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	286.1	250.7	256	111.8	11.8	341	DARIEN1T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	285.8	255.1	256	111.7	11.7	164	1977LINENEW	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	285.7	266.7	256	111.6	11.6	412	SOUTHEND5T	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	285	249.1	256	111.3	11.3	341	DARIEN1T	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	284.8	252.9	256	111.2	11.2	409	SOUTHEND6T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	284.1	252.9	256	111.0	11	160	1977LINENEW	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.9	262.7	256	110.9	10.9	203	312+393LNS	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.9	262.7	256	110.9	10.9	204	312+393REAC	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.9	262.7	256	110.9	10.9	202	312LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	284	264.4	256	110.9	10.9	412	SOUTHEND5T	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.6	262.7	256	110.8	10.8	458	NMSTBKREAC	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.6	262.7	256	110.8	10.8	457	NOMNTSTBKR	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.7	252.1	256	110.8	10.8	413	SOUTHEND6T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283.1	252.1	256	110.6	10.6	164	1977LINENEW	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	283	250.7	256	110.5	10.5	409	SOUTHEND6T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	282.7	262.7	256	110.4	10.4	412	SOUTHEND5T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	282.3	250.7	256	110.3	10.3	160	1977LINENEW	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	282.2	266.7	256	110.2	10.2	475	SNGPEQ-XFR	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	282.2	262.2	256	110.2	10.2	408	SOUTHEND5T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	281.8	249.1	256	110.1	10.1	409	SOUTHEND6T	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	281.6	262.7	256	110.0	10	230	393LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	281.5	266.7	256	110.0	10	299	8100-8200DCT	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	281.1	249.1	256	109.8	9.8	160	1977LINENEW	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	280.5	260.1	256	109.6	9.6	408	SOUTHEND5T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	280.4	262.2	256	109.5	9.5	295	8100-8200DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	279.6	264.4	256	109.2	9.2	475	SNGPEQ-XFR	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	279.3	258.4	256	109.1	9.1	408	SOUTHEND5T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	279.1	264.4	256	109.0	9	299	8100-8200DCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.9	257.3	256	108.9	8.9	412	SOUTHEND5T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.5	258.4	256	108.8	8.8	199	312+393LNS	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.5	258.4	256	108.8	8.8	200	312+393REAC	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.5	258.4	256	108.8	8.8	198	312LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.3	252.9	256	108.7	8.7	225	387SLINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.3	258.4	256	108.7	8.7	454	NMSTBKREAC	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.3	258.4	256	108.7	8.7	453	NOMNTSTBKR	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.1	252.9	256	108.6	8.6	296	1460-387S-DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	278.1	260.1	256	108.6	8.6	295	8100-8200DCT	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	277.8	262.7	256	108.5	8.5	475	SNGPEQ-XFR	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	277.4	262.7	256	108.4	8.4	299	8100-8200DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	277.1	255.1	256	108.3	8.3	412	SOUTHEND5T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	276.6	262.2	256	108.1	8.1	471	SNGPEQ-XFR	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	276.5	249.1	256	108.0	8	229	398LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	276.5	249.1	256	108.0	8	230	398LREAC	11G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

Sorted by branch, then loading

100% < Loading < 105%

** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	276.4	258.4	256	108.0	8	295	8100-8200DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	276.1	266.7	256	107.9	7.9	255	1310-1763DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	276.3	258.4	256	107.9	7.9	226	393LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	276	266.7	256	107.8	7.8	357	DEVON24TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	275.3	252.9	256	107.6	7.6	408	SOUTHEND5T	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	275.1	252.1	256	107.5	7.5	233	398LINE	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	275.1	252.1	256	107.5	7.5	234	398LREAC	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	274.9	264.4	256	107.4	7.4	203	312+393LNS	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	274.9	264.4	256	107.4	7.4	204	312+393REAC	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	274.9	264.4	256	107.4	7.4	202	312LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	275	264.4	256	107.4	7.4	458	NMSTBKREAC	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	275	264.4	256	107.4	7.4	457	NOMNTSTBKR	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	274.4	252.1	256	107.2	7.2	412	SOUTHEND5T	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	274.2	260.1	256	107.1	7.1	471	SNGPEQ-XFR	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.8	264.4	256	107.0	7	255	1310-1763DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.8	257.3	256	106.9	6.9	229	387SLINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.8	264.4	256	106.9	6.9	357	DEVON24TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.6	250.7	256	106.9	6.9	408	SOUTHEND5T	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.6	266.7	256	106.9	6.9	427	STEVENSNSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.1	266.7	256	106.7	6.7	248	1163-1550D-2	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273.1	266.7	256	106.7	6.7	426	SOTHNGTN28T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.9	257.3	256	106.6	6.6	300	1460-387S-DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.8	266.7	256	106.6	6.6	268	1560-1570DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.9	266.7	256	106.6	6.6	288	1770-1887DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273	266.7	256	106.6	6.6	290	1800-1810DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.9	264.4	256	106.6	6.6	230	393LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	273	266.7	256	106.6	6.6	423	SOTHNGTN24T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.9	266.7	256	106.6	6.6	428	STONYHILL1T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.6	266.7	256	106.5	6.5	387	MIXAVE1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.3	266.7	256	106.4	6.4	266	1505-1607DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.4	258.4	256	106.4	6.4	471	SNGPEQ-XFR	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.5	249.1	256	106.4	6.4	408	SOUTHEND5T	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.5	266.7	256	106.4	6.4	432	TRIANGLE4T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.1	262.7	256	106.3	6.3	255	1310-1763DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272	250.7	256	106.3	6.3	225	387SLINE	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	272.2	262.7	256	106.3	6.3	357	DEVON24TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	271.7	262.2	256	106.1	6.1	251	1310-1763DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	271.6	250.7	256	106.1	6.1	296	1460-387S-DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	271.2	262.2	256	106.0	6	225	387SLINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	271.3	266.7	256	106.0	6	463	SGTN4TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	271	264.4	256	105.9	5.9	427	STEVENSNSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	271.2	266.7	256	105.9	5.9	429	TRPFALLST1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.8	264.4	256	105.8	5.8	248	1163-1550D-2	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.7	264.4	256	105.8	5.8	290	1800-1810DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.9	266.7	256	105.8	5.8	331	BATESROCK1T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.9	266.7	256	105.8	5.8	344	COLONY1T	22G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.9	266.7	256	105.8	5.8	476	DEV-XFR	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.9	266.7	256	105.8	5.8	407	QUINIPACST1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.7	264.4	256	105.8	5.8	423	SOTHNGTN24T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.8	264.4	256	105.8	5.8	426	SOTHNGTN28T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.5	262.2	256	105.7	5.7	296	1460-387S-DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.5	264.4	256	105.7	5.7	268	1560-1570DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.6	266.7	256	105.7	5.7	269	1570-1575DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.5	264.4	256	105.7	5.7	288	1770-1887DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.7	266.7	256	105.7	5.7	291	1800-1825DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.6	262.2	256	105.7	5.7	353	DEVON24TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.5	266.7	256	105.7	5.7	477	ESHR-XFR	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.6	266.7	256	105.7	5.7	380	GREENHLL2T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.5	264.4	256	105.7	5.7	428	STONYHILL1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.3	266.7	256	105.6	5.6	254	1280-1870DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.4	264.4	256	105.6	5.6	387	MIXAVE1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.3	266.7	256	105.6	5.6	479	NEWDEV2	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.3	257.3	256	105.6	5.6	475	SNGPEQ-XFR	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.2	264.4	256	105.6	5.6	432	TRIANGLE4T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.2	266.7	256	105.5	5.5	253	1272-1721DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.1	266.7	256	105.5	5.5	256	1355-1610DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270	266.7	256	105.5	5.5	69	1500LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270	264.4	256	105.5	5.5	266	1505-1607DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270	266.7	256	105.5	5.5	88	1605LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270	266.7	256	105.5	5.5	123	1760+1876LNS	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.2	266.7	256	105.5	5.5	409	SACKETST1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270	264.4	256	105.5	5.5	463	SGTN4TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	270.1	266.7	256	105.5	5.5	416	SOTHNGTN13T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.9	266.7	256	105.4	5.4	244	1100-1200DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.9	266.7	256	105.4	5.4	70	1505LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.8	266.7	256	105.4	5.4	205	318LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.9	266.7	256	105.4	5.4	342	BUNKERH2T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.8	266.7	256	105.4	5.4	386	MLLRVR2TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.8	260.1	256	105.4	5.4	454	NMSTBKREAC	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.7	252.1	256	105.4	5.4	458	NMSTBKREAC	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.8	260.1	256	105.4	5.4	453	NOMNTSTBKR	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.7	252.1	256	105.4	5.4	457	NOMNTSTBKR	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.9	266.7	256	105.4	5.4	405	PLUMTREE28T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.7	266.7	256	105.4	5.4	462	SGTN3TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.9	266.7	256	105.4	5.4	464	SGTN5TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.8	266.7	256	105.4	5.4	420	SOTHNGTN20T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.9	266.7	256	105.4	5.4	431	TRIANGLE3T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.6	260.1	256	105.3	5.3	251	1310-1763DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.5	266.7	256	105.3	5.3	258	1394-1515DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.6	260.1	256	105.3	5.3	199	312+393LNS	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.6	260.1	256	105.3	5.3	200	312+393REAC	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.6	260.1	256	105.3	5.3	198	312LINE	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.5	266.7	256	105.3	5.3	207	329LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.5	257.3	256	105.3	5.3	299	8100-8200DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.6	266.7	256	105.3	5.3	332	BECONFLSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.6	266.7	256	105.3	5.3	383	HAWTHORNST	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.7	266.7	256	105.3	5.3	445	WOODMNT1TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.3	266.7	256	105.2	5.2	52	1355LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.3	266.7	256	105.2	5.2	281	1670-1830DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.3	266.7	256	105.2	5.2	104	1690LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.2	266.7	256	105.2	5.2	210	347LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.2	266.7	256	105.2	5.2	211	347LREAC	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.2	266.7	256	105.2	5.2	365	EMERIDEN1T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.2	266.7	256	105.2	5.2	384	JUNEST1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.4	266.7	256	105.2	5.2	385	MLLRVR1TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.3	266.7	256	105.2	5.2	419	SOTHNGTN16T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.4	266.7	256	105.2	5.2	441	WBROOKFLD1T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.7	256	105.1	5.1	248	1163-1550D-2	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.2	266.7	256	105.1	5.1	271	1575-1585DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.2	266.7	256	105.1	5.1	272	1575-1990DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269	266.7	256	105.1	5.1	129	1770LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.7	256	105.1	5.1	290	1800-1810DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	266.7	256	105.1	5.1	340	BROADWYST1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269	266.7	256	105.1	5.1	343	BUNKERH3T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269	266.7	256	105.1	5.1	404	PLUMTREE25T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.7	256	105.1	5.1	463	SGTN4TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.7	256	105.1	5.1	423	SOTHNGTN24T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.7	256	105.1	5.1	426	SOTHNGTN28T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.2	256	105.1	5.1	423	STEVENSNSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	269.1	262.7	256	105.1	5.1	427	STEVENSNSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.7	262.2	256	105.0	5	244	1163-1550D-2	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	46	1272+1445LNS	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	62	1443+1759LNS	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	262.7	256	105.0	5	268	1560-1570DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.7	266.7	256	105.0	5	286	1732-1788DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	262.7	256	105.0	5	288	1770-1887DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	292	1810-1825DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	147	1820LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	257.3	256	105.0	5	357	DEVON24TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	377	GRNDAV5TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	378	GRNDAV6TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	262.7	256	105.0	5	387	MIXAVE1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.9	266.7	256	105.0	5	421	SOTHNGTN22T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	266.7	256	105.0	5	422	SOTHNGTN23T	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.7	262.2	256	105.0	5	422	SOTHNGTN28T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.8	262.7	256	105.0	5	428	STONYHILL1T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.9	264.4	256	105.0	5	429	TRPFALLST1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	262.2	256	104.9	4.9	284	1770-1887DCT	18G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	262.2	256	104.9	4.9	286	1800-1810DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.5	252.1	256	104.9	4.9	203	312+393LNS	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.5	252.1	256	104.9	4.9	202	312LINE	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.5	264.4	256	104.9	4.9	331	BATESROCK1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.7	264.4	256	104.9	4.9	344	COLONY1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.5	260.1	256	104.9	4.9	353	DEVON24TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	264.4	256	104.9	4.9	476	DEV-XFR	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	264.4	256	104.9	4.9	407	QUINIPACST1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.5	264.4	256	104.9	4.9	464	SGTN5TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	262.2	256	104.9	4.9	419	SOTHNGTN24T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	262.2	256	104.9	4.9	424	STONYHILL1T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.6	262.7	256	104.9	4.9	432	TRIANGLE4T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.3	262.7	256	104.8	4.8	266	1505-1607DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.4	264.4	256	104.8	4.8	269	1570-1575DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.4	264.4	256	104.8	4.8	291	1800-1825DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.3	252.1	256	104.8	4.8	204	312+393REAC	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.3	252.9	256	104.8	4.8	295	8100-8200DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.4	264.4	256	104.8	4.8	380	GREENHLL2T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.3	249.1	256	104.8	4.8	449	LONGMT5TSTK	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.9	262.2	256	104.7	4.7	264	1560-1570DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.1	264.4	256	104.7	4.7	207	329LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.1	264.4	256	104.7	4.7	477	ESHR-XFR	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.1	262.2	256	104.7	4.7	383	MIXAVE1	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.9	264.4	256	104.7	4.7	479	NEWDEV2	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	268.1	262.2	256	104.7	4.7	428	TRIANGLE4T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.8	264.4	256	104.6	4.6	253	1272-1721DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.9	264.4	256	104.6	4.6	254	1280-1870DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.9	258.4	256	104.6	4.6	251	1310-1763DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.8	264.4	256	104.6	4.6	256	1355-1610DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.7	264.4	256	104.6	4.6	69	1500LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.9	262.2	256	104.6	4.6	262	1505-1607DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.7	264.4	256	104.6	4.6	88	1605LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.8	264.4	256	104.6	4.6	205	318LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.7	260.1	256	104.6	4.6	226	393LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.9	264.4	256	104.6	4.6	409	SACKETST1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.7	264.4	256	104.6	4.6	462	SGTN3TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.8	255.1	256	104.6	4.6	475	SNGPEQ-XFR	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.8	264.4	256	104.6	4.6	416	SOTHNGTN13T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.8	264.4	256	104.6	4.6	431	TRIANGLE3T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.6	264.4	256	104.5	4.5	244	1100-1200DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.6	264.4	256	104.5	4.5	70	1505LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.4	264.4	256	104.5	4.5	123	1760+1876LNS	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.5	264.4	256	104.5	4.5	342	BUNKERH2T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.5	264.4	256	104.5	4.5	386	MLLRVR2TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.6	262.7	256	104.5	4.5	464	SGTN5TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.5	264.4	256	104.5	4.5	420	SOTHNGTN20T	6G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.2	264.4	256	104.4	4.4	258	1394-1515DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.2	262.7	256	104.4	4.4	207	329LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.3	255.1	256	104.4	4.4	229	387SLINE	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.1	255.1	256	104.4	4.4	299	8100-8200DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.4	264.4	256	104.4	4.4	332	BECONFLSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.3	264.4	256	104.4	4.4	405	PLUMTREE28T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.2	262.7	256	104.4	4.4	429	TRPFALLST1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	264.4	256	104.3	4.3	52	1355LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	264.4	256	104.3	4.3	281	1670-1830DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.1	264.4	256	104.3	4.3	104	1690LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	262.7	256	104.3	4.3	216	352LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	262.7	256	104.3	4.3	344	COLONY1T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.9	258.4	256	104.3	4.3	353	DEVON24TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.9	262.7	256	104.3	4.3	476	DEV-XFR	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.9	264.4	256	104.3	4.3	365	EMERIDEN1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.1	264.4	256	104.3	4.3	383	HAWTHORNST	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	264.4	256	104.3	4.3	384	JUNEST1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267.1	264.4	256	104.3	4.3	385	MLLRVR1TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	262.7	256	104.3	4.3	407	QUINIPACST1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	264.4	256	104.3	4.3	419	SOTHNGTN16T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	267	264.4	256	104.3	4.3	441	WBROOKFLD1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.9	257.3	256	104.2	4.2	255	1310-1763DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.7	262.7	256	104.2	4.2	269	1570-1575DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.9	264.4	256	104.2	4.2	271	1575-1585DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.8	264.4	256	104.2	4.2	272	1575-1990DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	264.4	256	104.2	4.2	129	1770LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.8	262.7	256	104.2	4.2	291	1800-1825DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.9	264.4	256	104.2	4.2	216	352LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.8	249.1	256	104.2	4.2	225	387SLINE	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.8	262.7	256	104.2	4.2	331	BATESROCK1T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.8	264.4	256	104.2	4.2	340	BROADWYST1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.7	264.4	256	104.2	4.2	343	BUNKERH3T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.7	262.7	256	104.2	4.2	380	GREENHLL2T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	264.4	256	104.2	4.2	404	PLUMTREE25T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	262.2	256	104.2	4.2	459	SGTN4TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	260.1	256	104.2	4.2	423	STEVENSNSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.7	264.4	256	104.2	4.2	445	WOODMNT1TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	260.1	256	104.1	4.1	244	1163-1550D-2	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	264.4	256	104.1	4.1	46	1272+1445LNS	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.4	264.4	256	104.1	4.1	62	1443+1759LNS	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	264.4	256	104.1	4.1	263	1470-1565DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.4	264.4	256	104.1	4.1	273	1580-1585DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.4	260.1	256	104.1	4.1	284	1770-1887DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	260.1	256	104.1	4.1	286	1800-1810DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	264.4	256	104.1	4.1	292	1810-1825DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	264.4	256	104.1	4.1	147	1820LINE	6G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	262.2	256	104.1	4.1	327	BATESROCK1T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	262.2	256	104.1	4.1	340	COLONY1T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	255.1	256	104.1	4.1	357	DEVON24TSTK	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.4	262.7	256	104.1	4.1	477	ESHR-XFR	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	264.4	256	104.1	4.1	377	GRNDAV5TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	264.4	256	104.1	4.1	378	GRNDAV6TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	264.4	256	104.1	4.1	399	PEACEABLE1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	262.2	256	104.1	4.1	403	QUINIPACST1	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.4	264.4	256	104.1	4.1	414	SNAUGA1T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.6	264.4	256	104.1	4.1	421	SOTHNGTN22T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	264.4	256	104.1	4.1	422	SOTHNGTN23T	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	260.1	256	104.1	4.1	419	SOTHNGTN24T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	260.1	256	104.1	4.1	422	SOTHNGTN28T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.4	260.1	256	104.1	4.1	424	STONYHILL1T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.5	262.2	256	104.1	4.1	425	TRPFALLST1	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	262.7	256	104.0	4	256	1355-1610DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	255.1	256	104.0	4	300	1460-387S-DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	249.1	256	104.0	4	296	1460-387S-DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.3	262.2	256	104.0	4	287	1800-1825DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.3	262.7	256	104.0	4	205	318LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	262.2	256	104.0	4	376	GREENHLL2T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	262.7	256	104.0	4	479	NEWDEV2	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	262.7	256	104.0	4	409	SACKETST1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.3	262.7	256	104.0	4	462	SGTN3TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.2	262.7	256	104.0	4	416	SOTHNGTN13T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.3	262.7	256	104.0	4	431	TRIANGLE3T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.9	262.7	256	103.9	3.9	244	1100-1200DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.1	262.7	256	103.9	3.9	253	1272-1721DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.9	262.2	256	103.9	3.9	250	1280-1870DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.1	262.7	256	103.9	3.9	254	1280-1870DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.1	262.7	256	103.9	3.9	69	1500LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266	262.7	256	103.9	3.9	70	1505LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.1	262.2	256	103.9	3.9	265	1570-1575DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266	262.7	256	103.9	3.9	88	1605LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.9	252.1	256	103.9	3.9	230	393LINE	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266	250.7	256	103.9	3.9	295	8100-8200DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.9	262.2	256	103.9	3.9	472	DEV-XFR	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266.1	260.1	256	103.9	3.9	383	MIXAVE1	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.9	249.1	256	103.9	3.9	454	NMSTBKREAC	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.9	249.1	256	103.9	3.9	453	NOMNTSTBKR	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266	262.2	256	103.9	3.9	405	SACKETST1	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266	262.2	256	103.9	3.9	427	TRIANGLE3T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	266	260.1	256	103.9	3.9	428	TRIANGLE4T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.7	262.2	256	103.8	3.8	252	1355-1610DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.7	260.1	256	103.8	3.8	262	1505-1607DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.7	260.1	256	103.8	3.8	264	1560-1570DCT	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.7	262.2	256	103.8	3.8	119	1760+1876LNS	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.8	262.7	256	103.8	3.8	310	329-352DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.8	262.7	256	103.8	3.8	217	352+AUTO	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.8	262.7	256	103.8	3.8	332	BECONFLSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.8	262.7	256	103.8	3.8	342	BUNKERH2T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.8	262.7	256	103.8	3.8	386	MLLRVR2TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.7	262.2	256	103.8	3.8	412	SOTHNGTN13T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.8	262.7	256	103.8	3.8	420	SOTHNGTN20T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.5	262.2	256	103.7	3.7	240	1100-1200DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.5	262.2	256	103.7	3.7	249	1272-1721DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	52	1355LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.6	262.7	256	103.7	3.7	258	1394-1515DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.6	262.2	256	103.7	3.7	65	1500LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.2	256	103.7	3.7	66	1505LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.6	262.2	256	103.7	3.7	84	1605LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	281	1670-1830DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	104	1690LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.6	262.7	256	103.7	3.7	123	1760+1876LNS	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.2	256	103.7	3.7	338	BUNKERH2T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.5	262.2	256	103.7	3.7	373	GRNDAV5TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.5	262.2	256	103.7	3.7	374	GRNDAV6TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	384	JUNEST1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	385	MLLRVR1TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.2	256	103.7	3.7	382	MLLRVR2TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.6	262.2	256	103.7	3.7	401	PLUMTREE28T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	405	PLUMTREE28T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	260.1	256	103.7	3.7	459	SGTN4TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.7	256	103.7	3.7	419	SOTHNGTN16T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.4	262.2	256	103.7	3.7	441	WOODMNT1TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.3	262.7	256	103.6	3.6	263	1470-1565DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.7	256	103.6	3.6	271	1575-1585DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.3	262.2	256	103.6	3.6	201	318LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.2	256	103.6	3.6	328	BECONFLSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.7	256	103.6	3.6	340	BROADWYST1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.3	262.7	256	103.6	3.6	365	EMERIDEN1T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.7	256	103.6	3.6	383	HAWTHORNST	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.3	262.7	256	103.6	3.6	399	PEACEABLE1T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.2	256	103.6	3.6	458	SGTN3TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.1	262.2	256	103.6	3.6	460	SGTN5TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.3	262.2	256	103.6	3.6	416	SOTHNGTN20T	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.7	256	103.6	3.6	441	WBROOKFLD1T	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.2	262.7	256	103.6	3.6	445	WOODMNT1TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264.9	262.2	256	103.5	3.5	48	1355LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.1	262.2	256	103.5	3.5	254	1394-1515DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264.9	262.2	256	103.5	3.5	268	1575-1990DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	265.1	262.7	256	103.5	3.5	272	1575-1990DCT	14G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.2	256	103.5	3.5	277	1670-1830DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.2	256	103.5	3.5	100	1690LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	129	1770LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	292	1810-1825DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	147	1820LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	265	262.2	256	103.5	3.5	182	88005ALINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	265	262.7	256	103.5	3.5	343	BUNKERH3T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	265	262.2	256	103.5	3.5	360	DEVSWST4TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	377	GRNDAV5TSTK	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	378	GRNDAV6TSTK	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.2	256	103.5	3.5	379	HAWTHORNST	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	252.1	256	103.5	3.5	453	LONGMT5TSTK	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	265	262.2	256	103.5	3.5	381	MLLRVR1TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	265.1	262.2	256	103.5	3.5	475	NEWDEV2	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	404	PLUMTREE25T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.2	256	103.5	3.5	415	SOTHNGTN16T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.9	262.7	256	103.5	3.5	421	SOTHNGTN22T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.7	256	103.5	3.5	422	SOTHNGTN23T	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	265.1	262.2	256	103.5	3.5	437	WBROOKFLD1T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	258.4	256	103.4	3.4	244	1163-1550D-2	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.7	256	103.4	3.4	46	1272+1445LNS	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	255.1	256	103.4	3.4	255	1310-1763DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.7	256	103.4	3.4	62	1443+1759LNS	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.2	256	103.4	3.4	259	1470-1565DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	262.2	256	103.4	3.4	267	1575-1585DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.7	256	103.4	3.4	273	1580-1585DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	258.4	256	103.4	3.4	284	1770-1887DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.2	256	103.4	3.4	125	1770LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	258.4	256	103.4	3.4	286	1800-1810DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	249.1	256	103.4	3.4	199	312+393LNS	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	249.1	256	103.4	3.4	200	312+393REAC	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	249.1	256	103.4	3.4	198	312LINE	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.2	256	103.4	3.4	203	329LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.2	256	103.4	3.4	206	347LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.2	256	103.4	3.4	207	347LREAC	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	260.1	256	103.4	3.4	225	387SLINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.7	256	103.4	3.4	186	88005ALINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.2	256	103.4	3.4	336	BROADWYST1	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.7	256	103.4	3.4	364	DEVSWST4TSTK	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.2	256	103.4	3.4	361	EMERIDEN1T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	262.2	256	103.4	3.4	372	GRNDAV4TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	262.2	256	103.4	3.4	375	GRNDAV7TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.2	256	103.4	3.4	380	JUNEST1	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.2	256	103.4	3.4	395	PEACEABLE1T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	262.2	256	103.4	3.4	400	PLUMTREE25T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	262.7	256	103.4	3.4	414	SNAUGA1T	14G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	252.9	256	103.4	3.4	471	SNGPEQ-XFR	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	252.1	256	103.4	3.4	475	SNGPEQ-XFR	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	258.4	256	103.4	3.4	419	SOTHNGTN24T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.8	258.4	256	103.4	3.4	422	SOTHNGTN28T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	258.4	256	103.4	3.4	423	STEVENSNSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.7	258.4	256	103.4	3.4	424	STONYHILL1T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	40	1238LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	262.2	256	103.3	3.3	58	1443+1759LNS	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	97	1637LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	113	1730CLINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.6	266.7	256	103.3	3.3	7	1759-353NDCT	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	262.2	256	103.3	3.3	288	1810-1825DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	262.2	256	103.3	3.3	143	1820LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	222	371+AUTO	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.5	266.7	256	103.3	3.3	221	371LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	249.1	256	103.3	3.3	295	8100-8200DCT	11G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	260.1	256	103.3	3.3	327	BATESROCK1T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.5	262.2	256	103.3	3.3	339	BUNKERH3T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	260.1	256	103.3	3.3	340	COLONY1T	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	356	DEVON23TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	358	DEVON25TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.5	262.2	256	103.3	3.3	357	DEVSWST1TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.5	262.2	256	103.3	3.3	359	DEVSWST3TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.5	258.4	256	103.3	3.3	383	MIXAVE1	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.5	262.2	256	103.3	3.3	384	NOHAVN1TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	266.7	256	103.3	3.3	402	PEQUON32TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	260.1	256	103.3	3.3	403	QUINIPACST1	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	258.4	256	103.3	3.3	459	SGTN4TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	262.2	256	103.3	3.3	417	SOTHNGTN22T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	262.2	256	103.3	3.3	418	SOTHNGTN23T	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.4	258.4	256	103.3	3.3	428	TRIANGLE4T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	262.2	256	103.2	3.2	42	1272+1445LNS	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	266.7	256	103.2	3.2	94	1622LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	266.7	256	103.2	3.2	109	1722LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	262.2	256	103.2	3.2	282	1732-1788DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.1	260.1	256	103.2	3.2	287	1800-1825DCT	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	262.2	256	103.2	3.2	305	310-383DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	257.3	256	103.2	3.2	210	347LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	257.3	256	103.2	3.2	211	347LREAC	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	262.2	256	103.2	3.2	180	88003ALINE-2	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.2	262.2	256	103.2	3.2	185	88006ALINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	262.2	256	103.2	3.2	188	89003BLINE-2	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.2	262.2	256	103.2	3.2	194	89006BLINE-1	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.3	266.7	256	103.2	3.2	472	devon-eshr2	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.2	262.2	256	103.2	3.2	473	ESHR-XFR	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	264.1	260.1	256	103.2	3.2	376	GREENHLL2T	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264.3	266.7	256	103.2	3.2	469	SINGERSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264.3	260.1	256	103.2	3.2	425	TRPFALLST1	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.9	260.1	256	103.1	3.1	296	1460-387S-DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264	258.4	256	103.1	3.1	262	1505-1607DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264.1	258.4	256	103.1	3.1	264	1560-1570DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264	260.1	256	103.1	3.1	265	1570-1575DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.9	257.3	256	103.1	3.1	288	1770-1887DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264	266.7	256	103.1	3.1	228	387NLINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264.1	252.1	256	103.1	3.1	299	8100-8200DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.9	260.1	256	103.1	3.1	460	SGTN5TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.9	257.3	256	103.1	3.1	428	STONYHILL1T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	264	260.1	256	103.1	3.1	427	TRIANGLE3T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.8	257.3	256	103.0	3	248	1163-1550D-2	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.6	260.1	256	103.0	3	250	1280-1870DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.6	260.1	256	103.0	3	252	1355-1610DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.7	257.3	256	103.0	3	290	1800-1810DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.6	252.1	256	103.0	3	357	DEVON24TSTK	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.7	260.1	256	103.0	3	472	DEV-XFR	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.8	260.1	256	103.0	3	405	SACKETST1	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.6	260.1	256	103.0	3	412	SOTHNGTN13T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.7	257.3	256	103.0	3	423	SOTHNGTN24T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.8	257.3	256	103.0	3	426	SOTHNGTN28T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.7	257.3	256	103.0	3	427	STEVENSNSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.9	2.9	240	1100-1200DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.9	2.9	249	1272-1721DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.4	260.1	256	102.9	2.9	65	1500LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.9	2.9	66	1505LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.4	260.1	256	102.9	2.9	84	1605LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.4	260.1	256	102.9	2.9	201	318LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.5	260.1	256	102.9	2.9	203	329LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.5	252.9	256	102.9	2.9	353	DEVON24TSTK	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.9	2.9	373	GRNDAV5TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.9	2.9	374	GRNDAV6TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.4	260.1	256	102.9	2.9	441	WOODMNT1TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.2	260.1	256	102.8	2.8	259	1470-1565DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.2	260.1	256	102.8	2.8	119	1760+1876LNS	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.1	266.7	256	102.8	2.8	219	364+AUTO	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.1	260.1	256	102.8	2.8	328	BECONFLSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.1	260.1	256	102.8	2.8	338	BUNKERH2T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.8	2.8	382	MLLRVR2TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.2	266.7	256	102.8	2.8	456	MONTVSTBKR	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.2	260.1	256	102.8	2.8	395	PEACEABLE1T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.1	260.1	256	102.8	2.8	401	PLUMTREE28T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.3	260.1	256	102.8	2.8	458	SGTN3TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.1	260.1	256	102.8	2.8	416	SOTHNGTN20T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263.2	257.3	256	102.8	2.8	432	TRIANGLE4T	23G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.9	260.1	256	102.7	2.7	254	1394-1515DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263	257.3	256	102.7	2.7	266	1505-1607DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	260.1	256	102.7	2.7	100	1690LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263	260.1	256	102.7	2.7	182	88005ALINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	266.7	256	102.7	2.7	359	DEVON26TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263	260.1	256	102.7	2.7	360	DEVSWST4TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.9	266.7	256	102.7	2.7	317	LOSSDEV7	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.9	257.3	256	102.7	2.7	387	MIXAVE1	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.9	260.1	256	102.7	2.7	381	MLLRVR1TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263	257.3	256	102.7	2.7	479	NEWDEV2	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	260.1	256	102.7	2.7	475	NEWDEV2	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	263	266.7	256	102.7	2.7	403	PEQUON42TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	258.4	256	102.7	2.7	403	QUINIPACST1	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.9	258.4	256	102.7	2.7	460	SGTN5TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	260.1	256	102.7	2.7	437	WBROOKFLD1T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	260.1	256	102.6	2.6	48	1355LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.7	266.7	256	102.6	2.6	267	1545-1570DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	260.1	256	102.6	2.6	268	1575-1990DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	260.1	256	102.6	2.6	277	1670-1830DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	258.4	256	102.6	2.6	203	329LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	266.7	256	102.6	2.6	1	353NLINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	258.4	256	102.6	2.6	327	BATESROCK1T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.6	2.6	336	BROADWYST1	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	266.7	256	102.6	2.6	450	CARD2TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.7	258.4	256	102.6	2.6	340	COLONY1T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.7	266.7	256	102.6	2.6	350	DEVON6TSTK	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	260.1	256	102.6	2.6	361	EMERIDEN1T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.6	2.6	379	HAWTHORNST	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.7	260.1	256	102.6	2.6	380	JUNEST1	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	266.7	256	102.6	2.6	313	PLUMAUT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.8	260.1	256	102.6	2.6	415	SOTHNGTN16T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	258.4	256	102.6	2.6	427	TRIANGLE3T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.6	258.4	256	102.6	2.6	425	TRPFALLST1	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	252.9	256	102.5	2.5	251	1310-1763DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	266.7	256	102.5	2.5	265	1470-1720DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.4	258.4	256	102.5	2.5	265	1570-1575DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.4	260.1	256	102.5	2.5	267	1575-1585DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	264.4	256	102.5	2.5	277	1622-1887DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	266.7	256	102.5	2.5	8	1767-353NDCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.5	2.5	125	1770LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	258.4	256	102.5	2.5	287	1800-1825DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	260.1	256	102.5	2.5	288	1810-1825DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.4	266.7	256	102.5	2.5	6	353N+AUTO	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.4	266.7	256	102.5	2.5	485	362W-376DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	260.1	256	102.5	2.5	339	BUNKERH3T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.5	2.5	357	DEVSWST1TSTK	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.5	2.5	359	DEVSWST3TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	258.4	256	102.5	2.5	376	GREENHLL2T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.5	2.5	372	GRNDAV4TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.5	260.1	256	102.5	2.5	375	GRNDAV7TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.4	260.1	256	102.5	2.5	384	NOHAVN1TSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.4	260.1	256	102.5	2.5	400	PLUMTREE25T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	264.4	256	102.5	2.5	411	SHEPAUG13A	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	250.7	256	102.5	2.5	471	SNGPEQ-XFR	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	260.1	256	102.5	2.5	417	SOTHNGTN22T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	260.1	256	102.4	2.4	42	1272+1445LNS	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	58	1443+1759LNS	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	258.4	256	102.4	2.4	259	1470-1565DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	257.3	256	102.4	2.4	268	1560-1570DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	264.4	256	102.4	2.4	113	1730CLINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	260.1	256	102.4	2.4	282	1732-1788DCT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	143	1820LINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	258.4	256	102.4	2.4	212	352LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	264.4	256	102.4	2.4	221	371LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	249.1	256	102.4	2.4	226	393LINE	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	180	88003ALINE-2	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	185	88006ALINE	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	188	89003BLINE-2	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	194	89006BLINE-1	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	264.4	256	102.4	2.4	356	DEVON23TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	264.4	256	102.4	2.4	358	DEVON25TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	264.4	256	102.4	2.4	470	devonstuck	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	258.4	256	102.4	2.4	472	DEV-XFR	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	264.4	256	102.4	2.4	467	NORSING1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.3	266.7	256	102.4	2.4	391	NORWALKST1	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	258.4	256	102.4	2.4	395	PEACEABLE1T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	264.4	256	102.4	2.4	402	PEQUON32TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.1	258.4	256	102.4	2.4	405	SACKETST1	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262.2	260.1	256	102.4	2.4	418	SOTHNGTN23T	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	264.4	256	102.3	2.3	40	1238LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.8	258.4	256	102.3	2.3	250	1280-1870DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	258.4	256	102.3	2.3	252	1355-1610DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.8	258.4	256	102.3	2.3	65	1500LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	264.4	256	102.3	2.3	94	1622LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.8	264.4	256	102.3	2.3	97	1637LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	264.4	256	102.3	2.3	109	1722LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.9	258.4	256	102.3	2.3	201	318LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.9	264.4	256	102.3	2.3	222	371+AUTO	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.8	257.3	256	102.3	2.3	331	BATESROCK1T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	255.1	256	102.3	2.3	458	NMSTBKREAC	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	255.1	256	102.3	2.3	457	NOMNTSTBKR	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.8	249.1	256	102.3	2.3	231	PLUMNOR	11G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.9	258.4	256	102.3	2.3	458	SGTN3TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.9	257.3	256	102.3	2.3	463	SGTN4TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	262	258.4	256	102.3	2.3	412	SOTHNGTN13T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.9	258.4	256	102.3	2.3	441	WOODMNT1TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.7	258.4	256	102.2	2.2	240	1100-1200DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	255.1	256	102.2	2.2	248	1163-1550D-2	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	258.4	256	102.2	2.2	249	1272-1721DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	252.1	256	102.2	2.2	255	1310-1763DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	266.7	256	102.2	2.2	67	1470LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.7	258.4	256	102.2	2.2	66	1505LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.8	258.4	256	102.2	2.2	84	1605LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	255.1	256	102.2	2.2	288	1770-1887DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	257.3	256	102.2	2.2	291	1800-1825DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	266.7	256	102.2	2.2	307	310-348DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	257.3	256	102.2	2.2	344	COLONY1T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.7	258.4	256	102.2	2.2	373	GRNDAV5TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.7	258.4	256	102.2	2.2	374	GRNDAV6TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	258.4	256	102.2	2.2	382	MLLRVR2TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	255.1	256	102.2	2.2	426	SOTHNGTN28T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.6	255.1	256	102.2	2.2	428	STONYHILL1T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	257.3	256	102.1	2.1	254	1280-1870DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	258.4	256	102.1	2.1	254	1394-1515DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	257.3	256	102.1	2.1	263	1470-1565DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.4	258.4	256	102.1	2.1	119	1760+1876LNS	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	255.1	256	102.1	2.1	290	1800-1810DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.4	264.4	256	102.1	2.1	228	387NLINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	258.4	256	102.1	2.1	182	88005ALINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.4	258.4	256	102.1	2.1	328	BECONFLSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.4	258.4	256	102.1	2.1	338	BUNKERH2T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	250.7	256	102.1	2.1	353	DEVON24TSTK	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	264.4	256	102.1	2.1	472	devon-eshr2	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	258.4	256	102.1	2.1	360	DEVSWST4TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	257.3	256	102.1	2.1	380	GREENHLL2T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	257.3	256	102.1	2.1	399	PEACEABLE1T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.4	252.1	256	102.1	2.1	235	PLUMNOR	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.3	257.3	256	102.1	2.1	407	QUINIPACST1	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	258.4	256	102.1	2.1	416	SOTHNGTN20T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.5	255.1	256	102.1	2.1	423	SOTHNGTN24T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.1	258.4	256	102.0	2	48	1355LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261	257.3	256	102.0	2	269	1570-1575DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.1	258.4	256	102.0	2	277	1670-1830DCT	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.1	258.4	256	102.0	2	100	1690LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.1	266.7	256	102.0	2	276	1975-348DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.2	266.7	256	102.0	2	213	348LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261	258.4	256	102.0	2	361	EMERIDEN1T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	261.1	258.4	256	102.0	2	380	JUNEST1	10G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.2	258.4	256	102.0	2	381	MLLRVR1TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.1	258.4	256	102.0	2	475	NEWDEV2	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.2	258.4	256	102.0	2	401	PLUMTREE28T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.1	258.4	256	102.0	2	415	SOTHNGTN16T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.2	255.1	256	102.0	2	427	STEVENSNSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.1	257.3	256	102.0	2	431	TRIANGLE3T	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261	255.1	256	102.0	2	432	TRIANGLE4T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261.1	258.4	256	102.0	2	437	WBROOKFLD1T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.8	255.1	256	101.9	1.9	266	1505-1607DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.8	258.4	256	101.9	1.9	267	1575-1585DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.9	258.4	256	101.9	1.9	268	1575-1990DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.9	257.3	256	101.9	1.9	309	310-383DCT	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261	258.4	256	101.9	1.9	306	329-352DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.8	258.4	256	101.9	1.9	213	352+AUTO	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.9	258.4	256	101.9	1.9	336	BROADWYST1	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261	258.4	256	101.9	1.9	357	DEVSWST1TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261	258.4	256	101.9	1.9	359	DEVSWST3TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.9	258.4	256	101.9	1.9	372	GRNDAV4TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.9	258.4	256	101.9	1.9	375	GRNDAV7TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.8	255.1	256	101.9	1.9	387	MIXAVE1	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	261	257.3	256	101.9	1.9	409	SACKETST1	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.9	264.4	256	101.9	1.9	469	SINGERSTK	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.8	257.3	256	101.9	1.9	429	TRPFALLST1	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	257.3	256	101.8	1.8	244	1100-1200DCT	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	258.4	256	101.8	1.8	42	1272+1445LNS	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	258.4	256	101.8	1.8	58	1443+1759LNS	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.7	257.3	256	101.8	1.8	69	1500LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	257.3	256	101.8	1.8	70	1505LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.7	257.3	256	101.8	1.8	88	1605LINE	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	262.7	256	101.8	1.8	277	1622-1887DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.7	264.4	256	101.8	1.8	7	1759-353NDCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	257.3	256	101.8	1.8	123	1760+1876LNS	23G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.7	258.4	256	101.8	1.8	125	1770LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	288	1810-1825DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	262.7	256	101.8	1.8	146	1813LINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	143	1820LINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	262.7	256	101.8	1.8	311	371-383DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	252.1	256	101.8	1.8	229	387SLINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	180	88003ALINE-2	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	185	88006ALINE	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	188	89003BLINE-2	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	194	89006BLINE-1	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	258.4	256	101.8	1.8	339	BUNKERH3T	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.6	264.4	256	101.8	1.8	359	DEVON26TSTK	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	258.4	256	101.8	1.8	358	DEVSWST2TSTK	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	260.5	257.3	256	101.8	1.8	477	ESHR-XFR	23G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.7	258.4	256	101.8	1.8	379	HAWTHORNST	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.7	266.7	256	101.8	1.8	316	LOSSBPT3	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.6	264.4	256	101.8	1.8	317	LOSSDEV7	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.6	255.1	256	101.8	1.8	479	NEWDEV2	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.7	258.4	256	101.8	1.8	384	NOHAVN1TSTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.7	264.4	256	101.8	1.8	403	PEQUON42TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.7	258.4	256	101.8	1.8	400	PLUMTREE25T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	255.1	256	101.8	1.8	463	SGTN4TSTK	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	262.7	256	101.8	1.8	411	SHEPAUG13A	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	249.1	256	101.8	1.8	471	SNGPEQ-XFR	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.6	258.4	256	101.8	1.8	417	SOTHNGTN22T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	258.4	256	101.8	1.8	418	SOTHNGTN23T	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	257.3	256	101.7	1.7	253	1272-1721DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	250.7	256	101.7	1.7	251	1310-1763DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	257.3	256	101.7	1.7	256	1355-1610DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.2	257.3	256	101.7	1.7	258	1394-1515DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	264.4	256	101.7	1.7	265	1470-1720DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	264.4	256	101.7	1.7	267	1545-1570DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	262.7	256	101.7	1.7	94	1622LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	262.7	256	101.7	1.7	278	1637-1720DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	262.7	256	101.7	1.7	109	1722LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	262.7	256	101.7	1.7	113	1730CLINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	255.1	256	101.7	1.7	203	312+393LNS	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	255.1	256	101.7	1.7	204	312+393REAC	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	255.1	256	101.7	1.7	202	312LINE	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	257.3	256	101.7	1.7	205	318LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	264.4	256	101.7	1.7	219	364+AUTO	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	258.4	256	101.7	1.7	325	BAIRDASTK	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.2	257.3	256	101.7	1.7	332	BECONFLSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.2	257.3	256	101.7	1.7	342	BUNKERH2T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	262.7	256	101.7	1.7	356	DEVON23TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	262.7	256	101.7	1.7	358	DEVON25TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	264.4	256	101.7	1.7	350	DEVON6TSTK	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	262.7	256	101.7	1.7	470	devonstuck	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	257.3	256	101.7	1.7	386	MLLRVR2TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	264.4	256	101.7	1.7	456	MONTVSTBKR	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	264.4	256	101.7	1.7	391	NORWALKST1	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	262.7	256	101.7	1.7	402	PEQUON32TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	264.4	256	101.7	1.7	313	PLUMAUT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.5	257.3	256	101.7	1.7	405	PLUMTREE28T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	257.3	256	101.7	1.7	462	SGTN3TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	257.3	256	101.7	1.7	464	SGTN5TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	257.3	256	101.7	1.7	416	SOTHNGTN13T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.4	257.3	256	101.7	1.7	420	SOTHNGTN20T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.3	257.3	256	101.7	1.7	441	WBROOKFLD1T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	262.2	256	101.6	1.6	36	1238LINE	18G

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						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.2	262.7	256	101.6	1.6	40	1238LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	257.3	256	101.6	1.6	52	1355LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	264.4	256	101.6	1.6	67	1470LINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	262.2	256	101.6	1.6	71	1545+SPS	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	257.3	256	101.6	1.6	272	1575-1990DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.2	262.2	256	101.6	1.6	274	1637-1720DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	262.7	256	101.6	1.6	97	1637LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	257.3	256	101.6	1.6	281	1670-1830DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	257.3	256	101.6	1.6	104	1690LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	257.3	256	101.6	1.6	207	329LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	262.7	256	101.6	1.6	222	371+AUTO	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	262.2	256	101.6	1.6	217	371LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.2	262.7	256	101.6	1.6	221	371LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260.1	257.3	256	101.6	1.6	419	SOTHNGTN16T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	255.1	256	101.5	1.5	263	1470-1565DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	255.1	256	101.5	1.5	268	1560-1570DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	262.2	256	101.5	1.5	90	1622LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	262.2	256	101.5	1.5	105	1722LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	266.7	256	101.5	1.5	116	1750LINE	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	257.3	256	101.5	1.5	129	1770LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.9	252.9	256	101.5	1.5	206	347LINE	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.9	252.9	256	101.5	1.5	207	347LREAC	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	260	262.2	256	101.5	1.5	218	371+AUTO	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.9	262.2	256	101.5	1.5	226	393LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	257.3	256	101.5	1.5	340	BROADWYST1	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	262.2	256	101.5	1.5	352	DEVON23TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	249.1	256	101.5	1.5	353	DEVON24TSTK	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	262.2	256	101.5	1.5	354	DEVON25TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.9	257.3	256	101.5	1.5	365	EMERIDEN1T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.9	257.3	256	101.5	1.5	385	MLLRVR1TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	262.7	256	101.5	1.5	467	NORSING1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.8	255.1	256	101.5	1.5	399	PEACEABLE1T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.9	257.3	256	101.5	1.5	404	PLUMTREE25T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	62	1443+1759LNS	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	271	1575-1585DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	262.2	256	101.4	1.4	93	1637LINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	262.2	256	101.4	1.4	109	1730CLINE	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	257.3	256	101.4	1.4	286	1732-1788DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	262.2	256	101.4	1.4	3	1759-353DCT	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	1.4	284	1770-1887DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	257.3	256	101.4	1.4	136	1780LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	257.3	256	101.4	1.4	142	1790LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	292	1810-1825DCT	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	147	1820LINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	255.1	256	101.4	1.4	210	347LINE	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	255.1	256	101.4	1.4	211	347LREAC	7G

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						Loading >= 130%			
						110% < Loading < 130%			
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Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	264.4	256	101.4	1.4	485	362W-376DCT	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	262.7	256	101.4	1.4	228	387NLINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	264.4	256	101.4	1.4	229	387SLINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	189	88006ALINE	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	198	89006BLINE-1	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	255.1	256	101.4	1.4	331	BATESROCK1T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	262.2	256	101.4	1.4	468	devon-eshr2	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	384	JUNEST1	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	266.7	256	101.4	1.4	398	OLDTOWNST	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	262.2	256	101.4	1.4	398	PEQUON32TSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	421	SOTHNGTN22T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.5	257.3	256	101.4	1.4	422	SOTHNGTN23T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	1.4	424	STONYHILL1T	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.7	257.3	256	101.4	1.4	445	WOODMNT1TSTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	252.9	256	101.3	1.3	244	1163-1550D-2	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	257.3	256	101.3	1.3	46	1272+1445LNS	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.2	252.1	256	101.3	1.3	300	1460-387S-DCT	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.3	252.9	256	101.3	1.3	286	1800-1810DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.3	255.1	256	101.3	1.3	291	1800-1825DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	262.7	256	101.3	1.3	210	347LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	262.7	256	101.3	1.3	211	347LREAC	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	257.3	256	101.3	1.3	329	BAIRDASTK	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	257.3	256	101.3	1.3	343	BUNKERH3T	23G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	255.1	256	101.3	1.3	344	COLONY1T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	262.7	256	101.3	1.3	472	devon-eshr2	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.3	252.9	256	101.3	1.3	419	SOTHNGTN24T	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.4	252.9	256	101.3	1.3	422	SOTHNGTN28T	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.2	262.7	256	101.2	1.2	265	1470-1720DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.1	264.4	256	101.2	1.2	1	353NLINE	6G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259	262.7	256	101.2	1.2	359	DEVON26TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.1	255.1	256	101.2	1.2	380	GREENHLL2T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.2	262.7	256	101.2	1.2	391	NORWALKST1	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.1	262.7	256	101.2	1.2	403	PEQUON42TSTK	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259	255.1	256	101.2	1.2	407	QUINIPACST1	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259	255.1	256	101.2	1.2	464	SGTN5TSTK	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.2	262.2	256	101.2	1.2	465	SINGERSTK	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.1	252.9	256	101.2	1.2	423	STEVENSNSTK	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	259.1	255.1	256	101.2	1.2	431	TRIANGLE3T	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.9	255.1	256	101.1	1.1	254	1280-1870DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.7	249.1	256	101.1	1.1	251	1310-1763DCT	11G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.9	266.7	256	101.1	1.1	264	1470-1637DCT	22G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.9	262.7	256	101.1	1.1	67	1470LINE	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.8	262.7	256	101.1	1.1	267	1545-1570DCT	14G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.9	255.1	256	101.1	1.1	269	1570-1575DCT	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.7	255.1	256	101.1	1.1	207	329LINE	7G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	258.8	262.7	256	101.1	1.1	350	DEVON6TSTK	14G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.9	262.7	256	101.1	1.1	317	LOSSDEV7	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.7	262.2	256	101.1	1.1	452	MONTVSTBKR	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.8	262.2	256	101.1	1.1	399	PEQUON42TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.9	262.7	256	101.1	1.1	313	PLUMAUT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.7	255.1	256	101.1	1.1	409	SACKETST1	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.8	252.9	256	101.1	1.1	428	TRIANGLE4T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.1	256	101.0	1	248	1163-1550D-2	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	255.1	256	101.0	1	69	1500LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.6	252.9	256	101.0	1	262	1505-1607DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	255.1	256	101.0	1	88	1605LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	264.4	256	101.0	1	8	1767-353NDCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.1	256	101.0	1	288	1770-1887DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.1	256	101.0	1	290	1800-1810DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.6	264.4	256	101.0	1	307	310-348DCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.6	264.4	256	101.0	1	6	353N+AUTO	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.6	262.2	256	101.0	1	215	364+AUTO	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	262.2	256	101.0	1	313	LOSSDEV7	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.9	256	101.0	1	383	MIXAVE1	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.6	255.1	256	101.0	1	235	PLUMNOR	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.1	256	101.0	1	423	SOTHNGTN24T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.1	256	101.0	1	426	SOTHNGTN28T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.5	252.1	256	101.0	1	428	STONYHILL1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.6	255.1	256	101.0	1	429	TRPFALLST1	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	255.1	256	100.9	0.9	244	1100-1200DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	255.1	256	100.9	0.9	256	1355-1610DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	262.2	256	100.9	0.9	261	1470-1720DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	255.1	256	100.9	0.9	70	1505LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	255.1	256	100.9	0.9	205	318LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	264.4	256	100.9	0.9	213	348LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.3	266.7	256	100.9	0.9	2	353SLINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	262.7	256	100.9	0.9	219	364+AUTO	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.3	255.1	256	100.9	0.9	230	393LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	262.2	256	100.9	0.9	355	DEVON26TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	255.1	256	100.9	0.9	477	ESHR-XFR	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	264.4	256	100.9	0.9	316	LOSSBPT3	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	262.7	256	100.9	0.9	456	MONTVSTBKR	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	262.2	256	100.9	0.9	387	NORWALKST1	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	262.7	256	100.9	0.9	235	PLUMNOR	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.3	255.1	256	100.9	0.9	462	SGTN3TSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	252.1	256	100.9	0.9	463	SGTN4TSTK	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.4	262.7	256	100.9	0.9	469	SINGERSTK	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	255.1	256	100.9	0.9	416	SOTHNGTN13T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	255.1	256	100.8	0.8	253	1272-1721DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	255.1	256	100.8	0.8	258	1394-1515DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	264.4	256	100.8	0.8	300	1460-387S-DCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	262.2	256	100.8	0.8	63	1470LINE	18G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%

110% < Loading < 130%

105% < Loading < 110%

100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	255.1	256	100.8	0.8	123	1760+1876LNS	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.1	264.4	256	100.8	0.8	276	1975-348DCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.1	262.2	256	100.8	0.8	481	362W-376DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	255.1	256	100.8	0.8	332	BECONFLSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	255.1	256	100.8	0.8	342	BUNKERH2T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.2	262.2	256	100.8	0.8	446	CARD2TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	255.1	256	100.8	0.8	386	MLLRVR2TSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	262.2	256	100.8	0.8	309	PLUMAUT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	255.1	256	100.8	0.8	405	PLUMTREE28T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258.1	255.1	256	100.8	0.8	420	SOTHNGTN20T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	252.1	256	100.8	0.8	432	TRIANGLE4T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	258	255.1	256	100.8	0.8	441	WBROOKFLD1T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	266.7	256	100.7	0.7	38	1222LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	260.1	256	100.7	0.7	36	1238LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	255.1	256	100.7	0.7	52	1355LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	252.1	256	100.7	0.7	266	1505-1607DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	260.1	256	100.7	0.7	71	1545+SPS	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	262.2	256	100.7	0.7	263	1545-1570DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	255.1	256	100.7	0.7	272	1575-1990DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	255.1	256	100.7	0.7	281	1670-1830DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	255.1	256	100.7	0.7	104	1690LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	262.7	256	100.7	0.7	7	1759-353NDCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	255.1	256	100.7	0.7	309	310-383DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	255.1	256	100.7	0.7	216	352LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.7	260.1	256	100.7	0.7	217	371LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	260.1	256	100.7	0.7	224	387NLINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	264.4	256	100.7	0.7	450	CARD2TSTK	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	262.2	256	100.7	0.7	346	DEVON6TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	260.1	256	100.7	0.7	466	devonstuck	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.7	255.1	256	100.7	0.7	365	EMERIDEN1T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	252.1	256	100.7	0.7	387	MIXAVE1	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.8	252.9	256	100.7	0.7	475	NEWDEV2	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	255.1	256	100.7	0.7	419	SOTHNGTN16T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.9	252.1	256	100.7	0.7	427	STEVENSNSTK	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	252.9	256	100.6	0.6	259	1470-1565DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	252.1	256	100.6	0.6	263	1470-1565DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	260.1	256	100.6	0.6	90	1622LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.5	260.1	256	100.6	0.6	274	1637-1720DCT	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	260.1	256	100.6	0.6	105	1722LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	260.1	256	100.6	0.6	109	1730CLINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.5	264.4	256	100.6	0.6	116	1750LINE	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	255.1	256	100.6	0.6	129	1770LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	255.1	256	100.6	0.6	136	1780LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	255.1	256	100.6	0.6	142	1790LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.7	262.2	256	100.6	0.6	1	353LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	262.7	256	100.6	0.6	485	362W-376DCT	14G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.5	260.1	256	100.6	0.6	218	371+AUTO	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	255.1	256	100.6	0.6	198	89006BLINE-1	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.5	252.9	256	100.6	0.6	327	BATESROCK1T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	255.1	256	100.6	0.6	340	BROADWYST1	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	260.1	256	100.6	0.6	352	DEVON23TSTK	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	260.1	256	100.6	0.6	354	DEVON25TSTK	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.7	255.1	256	100.6	0.6	385	MLLRVR1TSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.5	252.1	256	100.6	0.6	479	NEWDEV2	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	252.9	256	100.6	0.6	395	PEACEABLE1T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	252.1	256	100.6	0.6	399	PEACEABLE1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	260.1	256	100.6	0.6	398	PEQUON32TSTK	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	250.7	256	100.6	0.6	231	PLUMNOR	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	255.1	256	100.6	0.6	404	PLUMTREE25T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.6	255.1	256	100.6	0.6	445	WOODMNT1TSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	250.7	256	100.5	0.5	244	1163-1550D-2	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	255.1	256	100.5	0.5	62	1443+1759LNS	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	252.9	256	100.5	0.5	264	1560-1570DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	255.1	256	100.5	0.5	271	1575-1585DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	260.1	256	100.5	0.5	93	1637LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	255.1	256	100.5	0.5	286	1732-1788DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	262.2	256	100.5	0.5	4	1767-353DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	250.7	256	100.5	0.5	284	1770-1887DCT	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	255.1	256	100.5	0.5	292	1810-1825DCT	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	255.1	256	100.5	0.5	147	1820LINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	262.2	256	100.5	0.5	303	310-348DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	262.2	256	100.5	0.5	2	353+AUTO	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	255.1	256	100.5	0.5	186	88005ALINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	255.1	256	100.5	0.5	189	88006ALINE	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	255.1	256	100.5	0.5	329	BAIRDASTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	255.1	256	100.5	0.5	343	BUNKERH3T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	252.9	256	100.5	0.5	340	COLONY1T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	255.1	256	100.5	0.5	364	DEVSWST4TSTK	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.4	255.1	256	100.5	0.5	384	JUNEST1	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	260.1	256	100.5	0.5	463	NORSING1	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	264.4	256	100.5	0.5	398	OLDTOWNST	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	252.9	256	100.5	0.5	459	SGTN4TSTK	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	255.1	256	100.5	0.5	421	SOTHNGTN22T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	255.1	256	100.5	0.5	422	SOTHNGTN23T	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.2	250.7	256	100.5	0.5	422	SOTHNGTN28T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.3	250.7	256	100.5	0.5	424	STONYHILL1T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.1	255.1	256	100.4	0.4	46	1272+1445LNS	7G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.1	264.4	256	100.4	0.4	264	1470-1637DCT	6G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.1	250.7	256	100.4	0.4	286	1800-1810DCT	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.1	252.9	256	100.4	0.4	287	1800-1825DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257	260.1	256	100.4	0.4	468	devon-eshr2	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.9	252.9	256	100.4	0.4	403	QUINIPACST1	19G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

Loading >= 130%
110% < Loading < 130%
105% < Loading < 110%
100% < Loading < 105%

Sorted by branch, then loading

From bus	To bus	CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.1	266.7	256	100.4	0.4	10	SCOVRK7TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257.1	250.7	256	100.4	0.4	419	SOTHNGTN24T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	257	252.9	256	100.4	0.4	427	TRIANGLE3T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.9	252.9	256	100.3	0.3	250	1280-1870DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	260.1	256	100.3	0.3	261	1470-1720DCT	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.8	252.1	256	100.3	0.3	268	1560-1570DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.8	262.2	256	100.3	0.3	272	1975-348DCT	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.9	262.2	256	100.3	0.3	209	348LINE	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.9	252.9	256	100.3	0.3	376	GREENHLL2T	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	250.7	256	100.3	0.3	454	NMSTBKREAC	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	250.7	256	100.3	0.3	453	NOMNTSTBKR	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	260.1	256	100.3	0.3	387	NORWALKST1	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	260.1	256	100.3	0.3	399	PEQUON42TSTK	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.8	252.9	256	100.3	0.3	405	SACKETST1	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	252.1	256	100.3	0.3	464	SGTN5TSTK	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.7	250.7	256	100.3	0.3	423	STEVENSNSTK	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.5	260.1	256	100.2	0.2	63	1470LINE	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.4	250.7	256	100.2	0.2	262	1505-1607DCT	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.5	252.9	256	100.2	0.2	265	1570-1575DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.6	252.9	256	100.2	0.2	305	310-383DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.6	252.1	256	100.2	0.2	216	352LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.4	252.1	256	100.2	0.2	331	BATESROCK1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.4	266.7	256	100.2	0.2	448	CARD1TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.4	266.7	256	100.2	0.2	451	CARD3TSTK	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.4	252.1	256	100.2	0.2	344	COLONY1T	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.5	262.7	256	100.2	0.2	316	LOSSBPT3	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.4	250.7	256	100.2	0.2	383	MIXAVE1	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.6	262.2	256	100.2	0.2	6	SCOVRK7TSTK	18G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.6	250.7	256	100.2	0.2	428	TRIANGLE4T	3G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	252.9	256	100.1	0.1	240	1100-1200DCT	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	252.9	256	100.1	0.1	65	1500LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	252.9	256	100.1	0.1	66	1505LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	252.9	256	100.1	0.1	84	1605LINE	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	258.4	256	100.1	0.1	273	1622-1887DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	252.9	256	100.1	0.1	119	1760+1876LNS	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	252.1	256	100.1	0.1	291	1800-1825DCT	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	262.7	256	100.1	0.1	307	310-348DCT	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	252.1	256	100.1	0.1	207	329LINE	15G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	266.7	256	100.1	0.1	208	330LINE	22G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	262.7	256	100.1	0.1	1	353NLINE	14G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	258.4	256	100.1	0.1	307	371-383DCT	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	260.1	256	100.1	0.1	355	DEVON26TSTK	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.2	260.1	256	100.1	0.1	313	LOSSDEV7	2G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	258.4	256	100.1	0.1	407	SHEPAUG13A	10G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256.3	252.9	256	100.1	0.1	441	WOODMNT1TSTK	19G
73172 NORWALK 115	73207 FLAX HIL 115	1	LN	256	258.4	256	100.0	0	36	1238LINE	10G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	252.9	256	100.0	0	252	1355-1610DCT	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	250.7	256	100.0	0	259	1470-1565DCT	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	258.4	256	100.0	0	71	1545+SPS	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	258.4	256	100.0	0	105	1722LINE	10G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	252.9	256	100.0	0	201	318LINE	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	252.1	256	100.0	0	380	GREENHLL2T	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	262.2	256	100.0	0	312	LOSSBPT3	18G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	260.1	256	100.0	0	452	MONTVSTBKR	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	250.7	256	100.0	0	395	PEACEABLE1T	3G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	260.1	256	100.0	0	309	PLUMAUT	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	252.9	256	100.0	0	401	PLUMTREE28T	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	252.1	256	100.0	0	407	QUINIPACST1	15G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	260.1	256	100.0	0	465	SINGERSTK	2G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	252.9	256	100.0	0	412	SOTHNGTN13T	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256.1	252.9	256	100.0	0	425	TRPFALLST1	19G
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	256	252.9	256	100.0	0	437	WBROOKFLD1T	19G
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	255.8	152.4	253	101.1	1.1	370	FROSTBR27T	17G
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	254.4	152	253	100.6	0.6	370	FROSTBR27T	9G
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	253.6	150.2	253	100.2	0.2	370	FROSTBR27T	14G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	147.7	7.4	112	131.9	31.9	249	1272-1721DCT	21G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	147.7	12.6	112	131.9	31.9	253	1272-1721DCT	25G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	147.7	13.4	112	131.9	31.9	253	1272-1721DCT	9G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	147.7	14.1	112	131.8	31.8	253	1272-1721DCT	17G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	147	8.2	112	131.2	31.2	249	1272-1721DCT	5G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	146.9	8.9	112	131.2	31.2	249	1272-1721DCT	13G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	145.7	14.3	112	130.1	30.1	253	1272-1721DCT	22G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	145.6	14	112	130.0	30	253	1272-1721DCT	6G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	145.6	14.6	112	130.0	30	253	1272-1721DCT	14G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	145	10.8	112	129.5	29.5	249	1272-1721DCT	2G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	145	10.9	112	129.5	29.5	249	1272-1721DCT	10G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	144.5	9.7	112	129.0	29	249	1272-1721DCT	18G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.9	13.8	112	127.6	27.6	253	1272-1721DCT	23G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.9	13.5	112	127.6	27.6	253	1272-1721DCT	7G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.8	13.3	112	127.5	27.5	253	1272-1721DCT	15G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.4	19.2	112	127.2	27.2	249	1272-1721DCT	3G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.3	18.9	112	127.1	27.1	249	1272-1721DCT	11G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.1	19.8	112	126.9	26.9	249	1272-1721DCT	19G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.9	29.1	112	126.7	26.7	253	1272-1721DCT	24G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.9	28.5	112	126.7	26.7	253	1272-1721DCT	8G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.8	28.1	112	126.6	26.6	253	1272-1721DCT	16G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.4	35.8	112	126.3	26.3	249	1272-1721DCT	20G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.4	35.2	112	126.2	26.2	249	1272-1721DCT	4G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.3	34.8	112	126.2	26.2	249	1272-1721DCT	12G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	121.4	12.6	112	108.4	8.4	342	BUNKERH2T	25G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	121.3	14.1	112	108.3	8.3	342	BUNKERH2T	17G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	121.3	13.4	112	108.3	8.3	342	BUNKERH2T	9G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.7	8.2	112	107.8	7.8	338	BUNKERH2T	5G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.7	8.9	112	107.7	7.7	338	BUNKERH2T	13G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.2	7.4	112	107.3	7.3	338	BUNKERH2T	21G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	118.4	9.7	112	105.7	5.7	338	BUNKERH2T	18G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.4	14.3	112	104.8	4.8	342	BUNKERH2T	22G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.3	14	112	104.8	4.8	342	BUNKERH2T	6G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.2	14.6	112	104.7	4.7	342	BUNKERH2T	14G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.9	19.8	112	104.4	4.4	338	BUNKERH2T	19G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.8	13.8	112	104.3	4.3	342	BUNKERH2T	23G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.9	10.8	112	104.3	4.3	338	BUNKERH2T	2G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.8	10.9	112	104.3	4.3	338	BUNKERH2T	10G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.7	13.5	112	104.2	4.2	342	BUNKERH2T	7G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.6	13.3	112	104.1	4.1	342	BUNKERH2T	15G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.3	29.1	112	103.9	3.9	342	BUNKERH2T	24G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.2	19.2	112	103.8	3.8	338	BUNKERH2T	3G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.2	18.9	112	103.7	3.7	338	BUNKERH2T	11G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.8	35.2	112	103.4	3.4	338	BUNKERH2T	4G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.6	28.5	112	103.3	3.3	342	BUNKERH2T	8G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.6	28.1	112	103.2	3.2	342	BUNKERH2T	16G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.2	35.8	112	102.9	2.9	338	BUNKERH2T	20G
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.1	34.8	112	102.8	2.8	338	BUNKERH2T	12G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	289.9	124.3	228	127.2	27.2	482	ESHrstuck_new	17G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	287.9	120.2	228	126.3	26.3	482	ESHrstuck_new	14G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	284.3	120.2	228	124.7	24.7	300	1460-387S-DCT	14G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	283.3	124.3	228	124.2	24.2	300	1460-387S-DCT	17G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	274.9	124.3	228	120.6	20.6	229	387SLINE	17G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	274.9	120.2	228	120.6	20.6	229	387SLINE	14G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	272.1	114.9	228	119.3	19.3	482	ESHrstuck_new	6G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	271.3	118.9	228	119.0	19	482	ESHrstuck_new	9G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	267.7	114.9	228	117.4	17.4	300	1460-387S-DCT	6G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	266.3	118.9	228	116.8	16.8	300	1460-387S-DCT	9G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	259.9	114.9	228	114.0	14	229	387SLINE	6G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	259.1	118.9	228	113.6	13.6	229	387SLINE	9G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	252.6	108.3	228	110.8	10.8	482	ESHrstuck_new	22G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	251.9	112.4	228	110.5	10.5	482	ESHrstuck_new	25G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	247.5	108.3	228	108.5	8.5	300	1460-387S-DCT	22G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	246.3	112.4	228	108.0	8	300	1460-387S-DCT	25G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	241	108.3	228	105.7	5.7	229	387SLINE	22G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	240.2	112.4	228	105.4	5.4	229	387SLINE	25G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	237	95.9	228	103.9	3.9	478	ESHrstuck_new	10G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	236.8	100.1	228	103.8	3.8	478	ESHrstuck_new	13G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	231.6	95.9	228	101.6	1.6	296	1460-387S-DCT	10G
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	231.1	100.1	228	101.3	1.3	296	1460-387S-DCT	13G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	364.6	154.8	330	110.5	10.5	482	ESHrstuck_new	14G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	364.1	157	330	110.3	10.3	482	ESHrstuck_new	17G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	348.4	154.8	330	105.6	5.6	229	387SLINE	14G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	345.6	148.7	330	104.7	4.7	482	ESHrstuck_new	6G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	345	157	330	104.5	4.5	229	387SLINE	17G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	341.9	151	330	103.6	3.6	482	ESHrstuck_new	9G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	333.9	154.8	330	101.2	1.2	300	1460-387S-DCT	14G
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	331.4	157	330	100.4	0.4	300	1460-387S-DCT	17G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	466.2	222.1	256	182.1	82.1	260	1416-1880DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	462.7	219.8	256	180.7	80.7	260	1416-1880DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	460.2	217.4	256	179.8	79.8	256	1416-1880DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	460.2	218.1	256	179.8	79.8	260	1416-1880DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	456.9	215.3	256	178.5	78.5	256	1416-1880DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	454.4	213.6	256	177.5	77.5	256	1416-1880DCT	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	454	212.4	256	177.4	77.4	260	1416-1880DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	450.7	210.2	256	176.0	76	260	1416-1880DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	448.1	208	256	175.0	75	256	1416-1880DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	445.7	207.2	256	174.1	74.1	260	1416-1880DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	444.8	205.8	256	173.7	73.7	256	1416-1880DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	442.4	204.2	256	172.8	72.8	256	1416-1880DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	439.1	222.1	256	171.5	71.5	297	1880-1977DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	435.6	219.8	256	170.2	70.2	297	1880-1977DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	433.1	217.4	256	169.2	69.2	293	1880-1977DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	433.2	218.1	256	169.2	69.2	297	1880-1977DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	429.9	215.3	256	167.9	67.9	293	1880-1977DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	427.4	213.6	256	167.0	67	293	1880-1977DCT	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	427.1	212.4	256	166.8	66.8	297	1880-1977DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	423.7	210.2	256	165.5	65.5	297	1880-1977DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	421.1	208	256	164.5	64.5	293	1880-1977DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	418.8	207.2	256	163.6	63.6	297	1880-1977DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	417.8	205.8	256	163.2	63.2	293	1880-1977DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	415.5	204.2	256	162.3	62.3	293	1880-1977DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	378.3	222.1	256	147.8	47.8	247	113091001DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	377	219.8	256	147.3	47.3	247	113091001DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	376.2	217.4	256	147.0	47	243	113091001DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	376.4	218.1	256	147.0	47	247	113091001DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	375.4	212.4	256	146.6	46.6	247	113091001DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	375.2	215.3	256	146.6	46.6	243	113091001DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.5	213.6	256	146.3	46.3	243	113091001DCT	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.5	222.1	256	146.3	46.3	371	GLENBROOK3T	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.3	210.2	256	146.2	46.2	247	113091001DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	373.6	208	256	145.9	45.9	243	113091001DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	373	222.1	256	145.7	45.7	156	1880LINE	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	372.9	222.1	256	145.7	45.7	392	NORWALKST2	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	373	222.1	256	145.7	45.7	396	NORWLKHAR4T	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	372.5	205.8	256	145.5	45.5	243	113091001DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	371.8	204.2	256	145.2	45.2	243	113091001DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	371.8	207.2	256	145.2	45.2	247	113091001DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	370.6	219.8	256	144.7	44.7	371	GLENBROOK3T	6G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	369.1	219.8	256	144.2	44.2	156	1880LINE	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	369.1	219.8	256	144.2	44.2	396	NORWLKHAR4T	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	368.5	219.8	256	144.0	44	392	NORWALKST2	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	367.7	218.1	256	143.6	43.6	371	GLENBROOK3T	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	367.3	217.4	256	143.5	43.5	367	GLENBROOK3T	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.2	218.1	256	143.1	43.1	156	1880LINE	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.2	218.1	256	143.1	43.1	396	NORWLKHAR4T	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366	217.4	256	143.0	43	152	1880LINE	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366	217.4	256	143.0	43	392	NORWLKHAR4T	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	365.4	217.4	256	142.7	42.7	388	NORWALKST2	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	365.3	218.1	256	142.7	42.7	392	NORWALKST2	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	363.5	215.3	256	142.0	42	367	GLENBROOK3T	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	362.2	215.3	256	141.5	41.5	152	1880LINE	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	362.2	215.3	256	141.5	41.5	392	NORWLKHAR4T	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	361.2	215.3	256	141.1	41.1	388	NORWALKST2	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	360.6	213.6	256	140.9	40.9	367	GLENBROOK3T	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	359.4	213.6	256	140.4	40.4	152	1880LINE	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	359.4	213.6	256	140.4	40.4	392	NORWLKHAR4T	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	359.1	212.4	256	140.3	40.3	371	GLENBROOK3T	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	358	212.4	256	139.8	39.8	156	1880LINE	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	358	213.6	256	139.8	39.8	388	NORWALKST2	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	358	212.4	256	139.8	39.8	396	NORWLKHAR4T	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	355.7	212.4	256	139.0	39	392	NORWALKST2	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	355.2	210.2	256	138.8	38.8	371	GLENBROOK3T	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.1	210.2	256	138.3	38.3	156	1880LINE	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.1	210.2	256	138.3	38.3	396	NORWLKHAR4T	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	353	222.1	256	137.9	37.9	296	1880-1890DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	351.9	208	256	137.5	37.5	367	GLENBROOK3T	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	351.4	210.2	256	137.3	37.3	392	NORWALKST2	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.8	219.8	256	137.0	37	296	1880-1890DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.8	208	256	137.0	37	152	1880LINE	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.8	208	256	137.0	37	392	NORWLKHAR4T	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.1	207.2	256	136.8	36.8	371	GLENBROOK3T	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.1	218.1	256	136.4	36.4	296	1880-1890DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.1	207.2	256	136.4	36.4	156	1880LINE	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.1	207.2	256	136.4	36.4	396	NORWLKHAR4T	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.6	217.4	256	136.2	36.2	292	1880-1890DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.1	205.8	256	136.0	36	367	GLENBROOK3T	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348	208	256	135.9	35.9	388	NORWALKST2	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347	205.8	256	135.6	35.6	152	1880LINE	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347	205.8	256	135.6	35.6	392	NORWLKHAR4T	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.4	215.3	256	135.3	35.3	292	1880-1890DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346	207.2	256	135.2	35.2	392	NORWALKST2	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.4	222.1	256	134.9	34.9	246	1130-1430DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.2	204.2	256	134.9	34.9	367	GLENBROOK3T	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.8	213.6	256	134.7	34.7	292	1880-1890DCT	10G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.3	219.8	256	134.5	34.5	246	1130-1430DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.2	204.2	256	134.5	34.5	152	1880LINE	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.2	204.2	256	134.5	34.5	392	NORWLKHAR4T	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.7	218.1	256	134.3	34.3	246	1130-1430DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.7	205.8	256	134.3	34.3	388	NORWALKST2	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.3	217.4	256	134.1	34.1	242	1130-1430DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.8	212.4	256	133.9	33.9	246	1130-1430DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.5	215.3	256	133.8	33.8	242	1130-1430DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.6	222.1	256	133.8	33.8	261	1416-1890DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.4	212.4	256	133.8	33.8	296	1880-1890DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342	213.6	256	133.6	33.6	242	1130-1430DCT	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.8	210.2	256	133.5	33.5	246	1130-1430DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.6	219.8	256	133.4	33.4	261	1416-1890DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.1	208	256	133.2	33.2	242	1130-1430DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.1	218.1	256	133.2	33.2	261	1416-1890DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.6	217.4	256	133.0	33	257	1416-1890DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.5	204.2	256	133.0	33	388	NORWALKST2	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.1	205.8	256	132.9	32.9	242	1130-1430DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.1	212.4	256	132.9	32.9	261	1416-1890DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.3	210.2	256	132.9	32.9	296	1880-1890DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.7	204.2	256	132.7	32.7	242	1130-1430DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.8	215.3	256	132.7	32.7	257	1416-1890DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.4	207.2	256	132.6	32.6	246	1130-1430DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.4	213.6	256	132.6	32.6	257	1416-1890DCT	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.2	210.2	256	132.5	32.5	261	1416-1890DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.7	207.2	256	132.3	32.3	296	1880-1890DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.4	208	256	132.2	32.2	257	1416-1890DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.5	208	256	132.2	32.2	292	1880-1890DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337.6	205.8	256	131.9	31.9	257	1416-1890DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337.1	204.2	256	131.7	31.7	257	1416-1890DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	336.8	207.2	256	131.6	31.6	261	1416-1890DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	336.4	205.8	256	131.4	31.4	292	1880-1890DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	334.7	204.2	256	130.8	30.8	292	1880-1890DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	319	222.1	256	124.6	24.6	298	1890-1977DCT	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	318	219.8	256	124.2	24.2	298	1890-1977DCT	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	317.5	218.1	256	124.0	24	298	1890-1977DCT	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	317.1	217.4	256	123.9	23.9	294	1890-1977DCT	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	316.7	212.4	256	123.7	23.7	298	1890-1977DCT	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	316.3	215.3	256	123.6	23.6	294	1890-1977DCT	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	315.8	210.2	256	123.4	23.4	298	1890-1977DCT	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	315.9	213.6	256	123.4	23.4	294	1890-1977DCT	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	315	208	256	123.0	23	294	1890-1977DCT	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	314.1	205.8	256	122.7	22.7	294	1890-1977DCT	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	313.7	204.2	256	122.5	22.5	294	1890-1977DCT	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	313.4	207.2	256	122.4	22.4	298	1890-1977DCT	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	295.4	222.1	256	115.4	15.4	199	91001LINE	22G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	293.5	219.8	256	114.7	14.7	199	91001LINE	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	292.3	218.1	256	114.2	14.2	199	91001LINE	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	291.9	217.4	256	114.0	14	195	91001LINE	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	290.2	215.3	256	113.4	13.4	195	91001LINE	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	289	213.6	256	112.9	12.9	195	91001LINE	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	288.8	212.4	256	112.8	12.8	199	91001LINE	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	287	210.2	256	112.1	12.1	199	91001LINE	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	285.5	208	256	111.5	11.5	195	91001LINE	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	284.1	207.2	256	111.0	11	199	91001LINE	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	283.7	205.8	256	110.8	10.8	195	91001LINE	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	282.5	204.2	256	110.4	10.4	195	91001LINE	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	277.9	222.1	256	108.6	8.6	395	NORWLKHAR3T	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	275.2	222.1	256	107.5	7.5	28	1130LINE	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	274.5	222.1	256	107.2	7.2	328	ASHCREEKBKR	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	274.1	219.8	256	107.1	7.1	395	NORWLKHAR3T	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273.6	222.1	256	106.9	6.9	400	PEQUON12TSTK	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273.2	219.8	256	106.7	6.7	28	1130LINE	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.8	219.8	256	106.6	6.6	328	ASHCREEKBKR	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.9	218.1	256	106.2	6.2	28	1130LINE	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.7	218.1	256	106.1	6.1	328	ASHCREEKBKR	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.5	219.8	256	106.1	6.1	400	PEQUON12TSTK	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.4	217.4	256	106.0	6	24	1130LINE	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.1	217.4	256	105.9	5.9	324	ASHCREEKBKR	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.1	218.1	256	105.9	5.9	395	NORWLKHAR3T	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.7	217.4	256	105.8	5.8	391	NORWLKHAR3T	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.1	218.1	256	105.5	5.5	400	PEQUON12TSTK	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.6	215.3	256	105.3	5.3	24	1130LINE	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.7	222.1	256	105.3	5.3	59	1430LINE	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.5	215.3	256	105.3	5.3	324	ASHCREEKBKR	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.2	217.4	256	105.2	5.2	396	PEQUON12TSTK	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.5	213.6	256	104.9	4.9	324	ASHCREEKBKR	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.3	213.6	256	104.8	4.8	24	1130LINE	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268	219.8	256	104.7	4.7	59	1430LINE	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.1	212.4	256	104.7	4.7	328	ASHCREEKBKR	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.8	212.4	256	104.6	4.6	28	1130LINE	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.9	215.3	256	104.3	4.3	391	NORWLKHAR3T	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.1	215.3	256	104.3	4.3	396	PEQUON12TSTK	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.8	218.1	256	104.2	4.2	59	1430LINE	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.6	210.2	256	104.1	4.1	328	ASHCREEKBKR	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.2	217.4	256	104.0	4	55	1430LINE	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.9	210.2	256	103.9	3.9	28	1130LINE	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	222.1	222.1	214	103.8	3.8		** Base Case	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.8	222.1	256	103.8	3.8	29	1130+1416LNS	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.7	213.6	256	103.8	3.8	396	PEQUON12TSTK	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.9	208	256	103.5	3.5	324	ASHCREEKBKR	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.7	215.3	256	103.4	3.4	55	1430LINE	2G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.6	212.4	256	103.4	3.4	400	PEQUON12TSTK	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.6	222.1	256	103.4	3.4	410	SASCOCR1T	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.2	208	256	103.2	3.2	24	1130LINE	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.1	222.1	256	103.2	3.2	372	GLENBROOK8T	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.9	219.8	256	103.1	3.1	29	1130+1416LNS	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.9	222.1	256	103.1	3.1	158	1890LINE	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.9	207.2	256	103.1	3.1	328	ASHCREEKBKR	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.9	222.1	256	103.1	3.1	393	NORWLKHAR1T	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264	213.6	256	103.1	3.1	391	NORWLKHAR3T	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.7	222.1	256	103.0	3	58	1416LINE	22G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.6	213.6	256	103.0	3	55	1430LINE	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.4	212.4	256	102.9	2.9	59	1430LINE	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.4	205.8	256	102.9	2.9	324	ASHCREEKBKR	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.1	207.2	256	102.8	2.8	28	1130LINE	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	219.8	219.8	214	102.7	2.7		** Base Case	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.9	219.8	256	102.7	2.7	410	SASCOCR1T	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.6	218.1	256	102.6	2.6	29	1130+1416LNS	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.7	210.2	256	102.6	2.6	400	PEQUON12TSTK	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.4	205.8	256	102.5	2.5	24	1130LINE	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.3	204.2	256	102.5	2.5	324	ASHCREEKBKR	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.4	219.8	256	102.5	2.5	372	GLENBROOK8T	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.2	219.8	256	102.4	2.4	158	1890LINE	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.2	219.8	256	102.4	2.4	393	NORWLKHAR1T	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.9	217.4	256	102.3	2.3	25	1130+1416LNS	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.8	219.8	256	102.3	2.3	58	1416LINE	6G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.8	218.1	256	102.3	2.3	410	SASCOCR1T	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.7	210.2	256	102.2	2.2	59	1430LINE	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	218.1	256	102.1	2.1	372	GLENBROOK8T	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.1	204.2	256	102.0	2	24	1130LINE	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.1	218.1	256	102.0	2	158	1890LINE	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.1	218.1	256	102.0	2	393	NORWLKHAR1T	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.2	217.4	256	102.0	2	406	SASCOCR1T	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	218.1	218.1	214	101.9	1.9		** Base Case	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.6	218.1	256	101.8	1.8	58	1416LINE	14G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.5	217.4	256	101.8	1.8	154	1890LINE	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.7	217.4	256	101.8	1.8	368	GLENBROOK8T	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.5	217.4	256	101.8	1.8	389	NORWLKHAR1T	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.3	215.3	256	101.7	1.7	25	1130+1416LNS	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.3	208	256	101.7	1.7	396	PEQUON12TSTK	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	217.4	217.4	214	101.6	1.6		** Base Case	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	208	256	101.6	1.6	55	1430LINE	19G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	212.4	256	101.6	1.6	395	NORWLKHAR3T	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.9	217.4	256	101.5	1.5	54	1416LINE	18G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.8	207.2	256	101.5	1.5	400	PEQUON12TSTK	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.7	215.3	256	101.4	1.4	406	SASCOCR1T	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259	213.6	256	101.2	1.2	25	1130+1416LNS	10G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259	207.2	256	101.2	1.2	59	1430LINE	15G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259	215.3	256	101.2	1.2	154	1890LINE	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.2	215.3	256	101.2	1.2	368	GLENBROOK8T	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259	215.3	256	101.2	1.2	389	NORWLKHAR1T	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.4	212.4	256	101.0	1	29	1130+1416LNS	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.6	205.8	256	101.0	1	55	1430LINE	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.6	213.6	256	101.0	1	406	SASCOCR1T	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.2	215.3	256	100.9	0.9	54	1416LINE	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.3	205.8	256	100.9	0.9	396	PEQUON12TSTK	3G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.4	212.4	256	100.9	0.9	410	SASCOCR1T	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.1	213.6	256	100.8	0.8	368	GLENBROOK8T	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.7	212.4	256	100.7	0.7	158	1890LINE	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.9	213.6	256	100.7	0.7	154	1890LINE	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.8	212.4	256	100.7	0.7	372	GLENBROOK8T	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.7	212.4	256	100.7	0.7	393	NORWLKHAR1T	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.9	213.6	256	100.7	0.7	389	NORWLKHAR1T	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	215.3	215.3	214	100.6	0.6		** Base Case	2G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.5	204.2	256	100.6	0.6	55	1430LINE	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257	213.6	256	100.4	0.4	54	1416LINE	10G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257	204.2	256	100.4	0.4	396	PEQUON12TSTK	11G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.6	210.2	256	100.3	0.3	29	1130+1416LNS	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.7	210.2	256	100.3	0.3	410	SASCOCR1T	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.5	212.4	256	100.2	0.2	58	1416LINE	23G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.4	210.2	256	100.2	0.2	395	NORWLKHAR3T	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.2	210.2	256	100.1	0.1	372	GLENBROOK8T	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256	210.2	256	100.0	0	158	1890LINE	7G
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256	210.2	256	100.0	0	393	NORWLKHAR1T	7G
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	244.1	61.9	231	105.7	5.7	343	DEVON2TSTK	12G
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	241.6	61.2	231	104.6	4.6	343	DEVON2TSTK	4G
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	238.7	60.3	231	103.3	3.3	343	DEVON2TSTK	20G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	140.1	58.4	112	125.1	25.1	466	SGTN7TSTK	17G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	138.4	54.4	112	123.5	23.5	466	SGTN7TSTK	9G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	138.4	56.7	112	123.5	23.5	466	SGTN7TSTK	14G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	136.9	50.5	112	122.2	22.2	466	SGTN7TSTK	25G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	136.7	53.2	112	122.0	22	466	SGTN7TSTK	6G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	135.2	49.2	112	120.7	20.7	466	SGTN7TSTK	22G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	131.8	56.6	112	117.7	17.7	462	SGTN7TSTK	13G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	130.3	53.2	112	116.4	16.4	462	SGTN7TSTK	5G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	130.1	55.3	112	116.2	16.2	462	SGTN7TSTK	10G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	128.8	49.2	112	115.0	15	462	SGTN7TSTK	21G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	128.5	51.9	112	114.7	14.7	462	SGTN7TSTK	2G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	126.9	47.8	112	113.3	13.3	462	SGTN7TSTK	18G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	116.5	46.7	112	104.0	4	466	SGTN7TSTK	15G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	115.1	43.4	112	102.8	2.8	466	SGTN7TSTK	7G
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	113.6	39.4	112	101.4	1.4	466	SGTN7TSTK	23G
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	167.9	98.1	165	101.8	1.8	482	ESHrstuck_new	17G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	166.8	96.9	165	101.1	1.1	482	ESHrstuck_new	14G
73230 HADDAM 115 73231 BOKUM 115 1	LN	191	108	165	115.8	15.8	92	1620SLINE	17G
73230 HADDAM 115 73231 BOKUM 115 1	LN	190	107.4	165	115.2	15.2	92	1620SLINE	14G
73230 HADDAM 115 73231 BOKUM 115 1	LN	185.5	104.9	165	112.4	12.4	92	1620SLINE	9G
73230 HADDAM 115 73231 BOKUM 115 1	LN	184.6	104.4	165	111.9	11.9	92	1620SLINE	6G
73230 HADDAM 115 73231 BOKUM 115 1	LN	179.4	108	165	108.8	8.8	482	ESHrstuck_new	17G
73230 HADDAM 115 73231 BOKUM 115 1	LN	179.2	101.3	165	108.6	8.6	92	1620SLINE	25G
73230 HADDAM 115 73231 BOKUM 115 1	LN	178.9	107.4	165	108.4	8.4	482	ESHrstuck_new	14G
73230 HADDAM 115 73231 BOKUM 115 1	LN	178.2	100.8	165	108.0	8	92	1620SLINE	22G
73230 HADDAM 115 73231 BOKUM 115 1	LN	172.8	107.4	165	104.7	4.7	229	387SLINE	14G
73230 HADDAM 115 73231 BOKUM 115 1	LN	171.8	108	165	104.1	4.1	229	387SLINE	17G
73230 HADDAM 115 73231 BOKUM 115 1	LN	170.9	104.4	165	103.6	3.6	482	ESHrstuck_new	6G
73230 HADDAM 115 73231 BOKUM 115 1	LN	170.9	96.6	165	103.5	3.5	88	1620SLINE	13G
73230 HADDAM 115 73231 BOKUM 115 1	LN	170	104.9	165	103.0	3	482	ESHrstuck_new	9G
73230 HADDAM 115 73231 BOKUM 115 1	LN	169.8	96	165	102.9	2.9	88	1620SLINE	10G
73230 HADDAM 115 73231 BOKUM 115 1	LN	165.4	93.5	165	100.3	0.3	88	1620SLINE	5G
73230 HADDAM 115 73231 BOKUM 115 1	LN	165.1	104.4	165	100.1	0.1	229	387SLINE	6G
73230 HADDAM 115 73231 BOKUM 115 2	LN	192.2	110.7	191	100.6	0.6	43	1261LINE	17G
73230 HADDAM 115 73231 BOKUM 115 2	LN	191.2	110.2	191	100.1	0.1	43	1261LINE	14G
73231 BOKUM 115 73265 GREEN HL 115 1	LN	284.6	144.3	284	100.2	0.2	482	ESHrstuck_new	14G
73231 BOKUM 115 73265 GREEN HL 115 1	LN	284.3	145.3	284	100.1	0.1	482	ESHrstuck_new	17G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	301.2	22.4	134	224.8	124.8	430	TRIANGLE2T	15G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	301	22.4	134	224.6	124.6	430	TRIANGLE2T	22G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	300.7	22.4	134	224.4	124.4	430	TRIANGLE2T	17G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	300.7	22.4	134	224.4	124.4	430	TRIANGLE2T	6G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	300.6	22.3	134	224.3	124.3	430	TRIANGLE2T	25G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	300.6	22.3	134	224.3	124.3	430	TRIANGLE2T	9G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	300.5	22.3	134	224.3	124.3	430	TRIANGLE2T	14G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297.4	22.4	134	221.9	121.9	426	TRIANGLE2T	18G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297.3	22.4	134	221.9	121.9	426	TRIANGLE2T	2G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297.3	22.4	134	221.8	121.8	430	TRIANGLE2T	7G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297.2	22.4	134	221.8	121.8	426	TRIANGLE2T	10G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297	22.4	134	221.7	121.7	426	TRIANGLE2T	12G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.9	22.4	134	221.6	121.6	426	TRIANGLE2T	21G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297	22.4	134	221.6	121.6	426	TRIANGLE2T	5G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	297	22.4	134	221.6	121.6	426	TRIANGLE2T	13G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.9	22.4	134	221.5	121.5	430	TRIANGLE2T	16G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.7	22.4	134	221.5	121.5	426	TRIANGLE2T	20G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.8	22.4	134	221.5	121.5	426	TRIANGLE2T	4G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.8	22.4	134	221.5	121.5	426	TRIANGLE2T	11G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.7	22.4	134	221.4	121.4	426	TRIANGLE2T	19G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.7	22.4	134	221.4	121.4	430	TRIANGLE2T	23G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.6	22.4	134	221.4	121.4	426	TRIANGLE2T	3G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.6	22.4	134	221.4	121.4	430	TRIANGLE2T	8G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	296.4	22.4	134	221.2	121.2	430	TRIANGLE2T	24G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.8	22.4	134	111.1	11.1	235	1060-1165DCT	12G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.8	22.4	134	111.0	11	239	1060-1165DCT	16G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.5	22.4	134	110.9	10.9	235	1060-1165DCT	19G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.6	22.4	134	110.9	10.9	239	1060-1165DCT	23G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.5	22.4	134	110.9	10.9	235	1060-1165DCT	3G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.6	22.4	134	110.9	10.9	235	1060-1165DCT	4G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.6	22.4	134	110.9	10.9	239	1060-1165DCT	7G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.6	22.4	134	110.9	10.9	239	1060-1165DCT	8G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.6	22.4	134	110.9	10.9	235	1060-1165DCT	11G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.7	22.4	134	110.9	10.9	239	1060-1165DCT	15G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.4	22.4	134	110.8	10.8	239	1060-1165DCT	24G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.3	22.4	134	110.7	10.7	235	1060-1165DCT	18G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.3	22.4	134	110.7	10.7	235	1060-1165DCT	20G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.3	22.4	134	110.7	10.7	235	1060-1165DCT	2G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.3	22.4	134	110.7	10.7	235	1060-1165DCT	10G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.3	22.4	134	110.7	10.7	235	1060-1165DCT	13G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.2	22.4	134	110.6	10.6	239	1060-1165DCT	22G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.1	22.4	134	110.6	10.6	235	1060-1165DCT	5G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148	22.4	134	110.5	10.5	239	1060-1165DCT	17G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	148.1	22.4	134	110.5	10.5	235	1060-1165DCT	21G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	147.9	22.4	134	110.4	10.4	239	1060-1165DCT	6G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	147.9	22.3	134	110.4	10.4	239	1060-1165DCT	9G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	147.9	22.3	134	110.3	10.3	239	1060-1165DCT	25G
73268 MIDDLRIV 115 73176 TRIANGLE 115 1	LN	147.9	22.3	134	110.3	10.3	239	1060-1165DCT	14G
73295 BESECK 345 73663 E.SHORE 345 1	LN	1869.3	1869.3	1655	112.9	12.9		** Base Case	14G
73295 BESECK 345 73663 E.SHORE 345 1	LN	1821.5	1821.5	1655	110.1	10.1		** Base Case	17G
73295 BESECK 345 73663 E.SHORE 345 1	LN	1761.4	1761.4	1655	106.4	6.4		** Base Case	6G
73295 BESECK 345 73663 E.SHORE 345 1	LN	1712	1712	1655	103.4	3.4		** Base Case	9G
73311 DEVSING2 345 73313 SINGDEV2 345 1	LN	852.9	451.5	794	107.4	7.4	464	SINGDEV1	10G
73311 DEVSING2 345 73313 SINGDEV2 345 1	LN	836.4	451.5	794	105.3	5.3	465	SINGERSTK	10G
73311 DEVSING2 345 73313 SINGDEV2 345 1	LN	833.3	451.5	794	104.9	4.9	466	devonstuck	10G
73311 DEVSING2 345 73313 SINGDEV2 345 1	LN	802	424.9	794	101.0	1	468	SINGDEV1	14G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	943.7	523.7	794	118.9	18.9	463	NORSING1	11G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	927.9	523.7	794	116.9	16.9	465	SINGERSTK	11G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	883.5	495.8	794	111.3	11.3	467	NORSING1	15G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	868.9	495.8	794	109.4	9.4	469	SINGERSTK	15G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	846.3	472.4	794	106.6	6.6	463	NORSING1	12G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	845.6	474.7	794	106.5	6.5	463	NORSING1	3G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	834.8	472.4	794	105.1	5.1	465	SINGERSTK	12G
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	831.5	474.7	794	104.7	4.7	465	SINGERSTK	3G
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	261.2	109.5	258	101.3	1.3	370	GRNDAV2TSTK	13G
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	260	107.9	258	100.8	0.8	370	GRNDAV2TSTK	5G
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	259.2	105.9	258	100.5	0.5	370	GRNDAV2TSTK	21G
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	261.2	109.5	258	101.3	1.3	370	GRNDAV2TSTK	13G
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	260	107.9	258	100.8	0.8	370	GRNDAV2TSTK	5G
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	259.2	105.9	258	100.5	0.5	370	GRNDAV2TSTK	21G
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	441.1	282.2	439	100.5	0.5	253	1389-1880DCT	11G

List of Overloads : ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck									
						Loading >= 130%			
						110% < Loading < 130%			
						105% < Loading < 110%			
Sorted by branch, then loading						100% < Loading < 105%			
** From bus ** ** To bus ** CKT	Tp	ContFlow	BaseFlow	Rating	Load	Ovld	Ncon	Contin.Description	Dispatch
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	440.9	277.3	439	100.4	0.4	253	1389-1880DCT	19G
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	440.9	279.9	439	100.4	0.4	253	1389-1880DCT	3G
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	439.8	272.9	439	100.2	0.2	257	1389-1880DCT	23G
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	439.7	275.6	439	100.2	0.2	257	1389-1880DCT	7G
75053 NRTHPT P 138 75051 NRTHPRT1 138 1	TR	458.3	201.6	450	101.8	1.8	453	LONGMT5TSTK	25G

Appendix F

Summary of Voltage Violations

- Keys to Tables
- Table: List of Voltage Violations

	Case or "Dispatch" Identifier, ESB Series Cases					
	NE – NY 0 MW		NE – NY 700 MW		NY – NE 700 MW	
SWCT Generation Dispatch ID	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	2G	6G	10G	14G	18G	22G
3	3G	7G	11G	15G	19G	23G
4	4G	8G	12G	16G	20G	24G
5	5G	9G	13G	17G	21G	25G

NHHS is the 447 MW New Haven Harbor StatioN

Several columns the **"List of Voltage Violations" table** warrant explanation:

Contingency Volt	The per-unit value of the bus voltage after the contingency.
Base Volt	The per-unit value of the bus voltage in the base case.
Low Limit	The per-unit value of the low voltage criteria.
Upp Limit	The per-unit value of the high voltage criteria.
Volt Drop	The per-unit criteria for a violation of voltage drop. Not used for this study.
Volt Rise	The per-unit criteria for a violation of voltage rise. Not used for this study.
Viol Type	L = **Contingency Volt** is < low voltage limit (value in "**Low Limit**") D = **Contingency Volt** is < voltage drop limit (value in "**Volt Drop**") H = **Contingency Volt** is > high voltage limit (value in "**Low Limit**") R = **Contingency Volt** is > voltage rise limit (value in "**Volt Rise**") Since voltage rise and voltage drop are not used as criteria in this study, the only possible values are "L" and "H".
Dispatch	The ID used to identify the generation dispatch, as explained in the report.

ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

List of Voltage Violation: 27.7 GW NE Load, Dispatches 2G-25G, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

Sorted by bus name, then contingency voltage

Bus#	BusName	KV	Area	Zone	ContVolt	BaseVolt	LowLimit	UppLimit	Volt Drop	Volt Rise	Viol	Ncon	Contin.Description	Dispatch
73160	BALDWINB	115	701	171	0.865	1.0045	0.9	1.05	-	-	L	253	1272-1721DCT	17G
73160	BALDWINB	115	701	171	0.8656	1.0058	0.9	1.05	-	-	L	253	1272-1721DCT	9G
73160	BALDWINB	115	701	171	0.8662	1.0068	0.9	1.05	-	-	L	253	1272-1721DCT	25G
73160	BALDWINB	115	701	171	0.8672	1.0056	0.9	1.05	-	-	L	249	1272-1721DCT	13G
73160	BALDWINB	115	701	171	0.8679	1.0071	0.9	1.05	-	-	L	249	1272-1721DCT	5G
73160	BALDWINB	115	701	171	0.8686	1.0082	0.9	1.05	-	-	L	249	1272-1721DCT	21G
73160	BALDWINB	115	701	171	0.8798	1.0088	0.9	1.05	-	-	L	253	1272-1721DCT	22G
73160	BALDWINB	115	701	171	0.8804	1.0109	0.9	1.05	-	-	L	253	1272-1721DCT	14G
73160	BALDWINB	115	701	171	0.8805	1.0114	0.9	1.05	-	-	L	253	1272-1721DCT	6G
73160	BALDWINB	115	701	171	0.8805	1.0085	0.9	1.05	-	-	L	249	1272-1721DCT	10G
73160	BALDWINB	115	701	171	0.8806	1.0081	0.9	1.05	-	-	L	249	1272-1721DCT	2G
73160	BALDWINB	115	701	171	0.8811	1.01	0.9	1.05	-	-	L	249	1272-1721DCT	18G
73160	BALDWINB	115	701	171	0.8843	1.0064	0.9	1.05	-	-	L	253	1272-1721DCT	16G
73160	BALDWINB	115	701	171	0.8844	1.0064	0.9	1.05	-	-	L	249	1272-1721DCT	12G
73160	BALDWINB	115	701	171	0.8847	1.0074	0.9	1.05	-	-	L	253	1272-1721DCT	8G
73160	BALDWINB	115	701	171	0.8849	1.0075	0.9	1.05	-	-	L	249	1272-1721DCT	4G
73160	BALDWINB	115	701	171	0.8851	1.0085	0.9	1.05	-	-	L	253	1272-1721DCT	24G
73160	BALDWINB	115	701	171	0.8851	1.0099	0.9	1.05	-	-	L	253	1272-1721DCT	15G
73160	BALDWINB	115	701	171	0.8854	1.0107	0.9	1.05	-	-	L	253	1272-1721DCT	7G
73160	BALDWINB	115	701	171	0.8855	1.0113	0.9	1.05	-	-	L	253	1272-1721DCT	23G
73160	BALDWINB	115	701	171	0.8856	1.0089	0.9	1.05	-	-	L	249	1272-1721DCT	20G
73160	BALDWINB	115	701	171	0.8856	1.0104	0.9	1.05	-	-	L	249	1272-1721DCT	11G
73160	BALDWINB	115	701	171	0.8858	1.0111	0.9	1.05	-	-	L	249	1272-1721DCT	3G
73160	BALDWINB	115	701	171	0.8868	1.0117	0.9	1.05	-	-	L	249	1272-1721DCT	19G
73160	BALDWINB	115	701	171	0.8962	1.0045	0.9	1.05	-	-	L	342	BUNKERH2T	17G
73160	BALDWINB	115	701	171	0.8968	1.0058	0.9	1.05	-	-	L	342	BUNKERH2T	9G
73160	BALDWINB	115	701	171	0.8974	1.0068	0.9	1.05	-	-	L	342	BUNKERH2T	25G
73160	BALDWINB	115	701	171	0.8983	1.0056	0.9	1.05	-	-	L	338	BUNKERH2T	13G
73160	BALDWINB	115	701	171	0.8989	1.0071	0.9	1.05	-	-	L	338	BUNKERH2T	5G
73188	BCNFL PF	115	701	171	0.8945	0.9954	0.9	1.05	-	-	L	253	1272-1721DCT	17G
73188	BCNFL PF	115	701	171	0.8951	0.9965	0.9	1.05	-	-	L	253	1272-1721DCT	9G
73188	BCNFL PF	115	701	171	0.8957	0.9973	0.9	1.05	-	-	L	253	1272-1721DCT	25G
73188	BCNFL PF	115	701	171	0.8967	0.9967	0.9	1.05	-	-	L	249	1272-1721DCT	13G
73188	BCNFL PF	115	701	171	0.8973	0.998	0.9	1.05	-	-	L	249	1272-1721DCT	5G
73188	BCNFL PF	115	701	171	0.898	0.9989	0.9	1.05	-	-	L	249	1272-1721DCT	21G
73153	BRANFORD	115	701	171	1.0502	1.0358	0.9	1.05	-	-	H	332	BRANFORD1T	20G
73153	BRANFORD	115	701	171	1.0531	1.0326	0.9	1.05	-	-	H	338	BRANFORD4T	15G
73153	BRANFORD	115	701	171	1.0533	1.0335	0.9	1.05	-	-	H	338	BRANFORD4T	16G
73153	BRANFORD	115	701	171	1.0534	1.0332	0.9	1.05	-	-	H	338	BRANFORD4T	7G
73153	BRANFORD	115	701	171	1.0534	1.0338	0.9	1.05	-	-	H	338	BRANFORD4T	8G
73153	BRANFORD	115	701	171	1.0536	1.0336	0.9	1.05	-	-	H	338	BRANFORD4T	23G

ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

List of Voltage Violation: 27.7 GW NE Load, Dispatches 2G-25G, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

Sorted by bus name, then contingency voltage

Bus#	BusName	KV	Area	Zone	ContVolt	BaseVolt	LowLimit	UppLimit	Volt Drop	Volt Rise	Viol	Ncon	Contin.Description	Dispatch
73153	BRANFORD	115	701	171	1.0537	1.0342	0.9	1.05	-	-	H	338	BRANFORD4T	24G
73153	BRANFORD	115	701	171	1.0539	1.0338	0.9	1.05	-	-	H	334	BRANFORD4T	11G
73153	BRANFORD	115	701	171	1.0539	1.0343	0.9	1.05	-	-	H	334	BRANFORD4T	12G
73153	BRANFORD	115	701	171	1.0541	1.0342	0.9	1.05	-	-	H	334	BRANFORD4T	3G
73153	BRANFORD	115	701	171	1.0542	1.0345	0.9	1.05	-	-	H	334	BRANFORD4T	19G
73153	BRANFORD	115	701	171	1.0543	1.035	0.9	1.05	-	-	H	334	BRANFORD4T	4G
73153	BRANFORD	115	701	171	1.0548	1.0358	0.9	1.05	-	-	H	334	BRANFORD4T	20G
73270	BROOKLYN	115	701	171	0.8999	0.9479	0.9	1.05	-	-	L	238	1080-1280DCT	18G
73185	BUNKER H	115	701	171	0.8653	1.0145	0.9	1.05	-	-	L	253	1272-1721DCT	17G
73185	BUNKER H	115	701	171	0.8658	1.0159	0.9	1.05	-	-	L	253	1272-1721DCT	9G
73185	BUNKER H	115	701	171	0.8665	1.0169	0.9	1.05	-	-	L	253	1272-1721DCT	25G
73185	BUNKER H	115	701	171	0.8674	1.0155	0.9	1.05	-	-	L	249	1272-1721DCT	13G
73185	BUNKER H	115	701	171	0.8681	1.017	0.9	1.05	-	-	L	249	1272-1721DCT	5G
73185	BUNKER H	115	701	171	0.8688	1.0182	0.9	1.05	-	-	L	249	1272-1721DCT	21G
73185	BUNKER H	115	701	171	0.8801	1.0183	0.9	1.05	-	-	L	253	1272-1721DCT	22G
73185	BUNKER H	115	701	171	0.8807	1.0206	0.9	1.05	-	-	L	253	1272-1721DCT	14G
73185	BUNKER H	115	701	171	0.8808	1.0211	0.9	1.05	-	-	L	253	1272-1721DCT	6G
73185	BUNKER H	115	701	171	0.8808	1.0179	0.9	1.05	-	-	L	249	1272-1721DCT	10G
73185	BUNKER H	115	701	171	0.8809	1.0175	0.9	1.05	-	-	L	249	1272-1721DCT	2G
73185	BUNKER H	115	701	171	0.8814	1.0195	0.9	1.05	-	-	L	249	1272-1721DCT	18G
73185	BUNKER H	115	701	171	0.8845	1.0155	0.9	1.05	-	-	L	249	1272-1721DCT	12G
73185	BUNKER H	115	701	171	0.8845	1.0155	0.9	1.05	-	-	L	253	1272-1721DCT	16G
73185	BUNKER H	115	701	171	0.8848	1.0166	0.9	1.05	-	-	L	253	1272-1721DCT	8G
73185	BUNKER H	115	701	171	0.885	1.0167	0.9	1.05	-	-	L	249	1272-1721DCT	4G
73185	BUNKER H	115	701	171	0.8853	1.0177	0.9	1.05	-	-	L	253	1272-1721DCT	24G
73185	BUNKER H	115	701	171	0.8854	1.0192	0.9	1.05	-	-	L	253	1272-1721DCT	15G
73185	BUNKER H	115	701	171	0.8856	1.0201	0.9	1.05	-	-	L	253	1272-1721DCT	7G
73185	BUNKER H	115	701	171	0.8857	1.0181	0.9	1.05	-	-	L	249	1272-1721DCT	20G
73185	BUNKER H	115	701	171	0.8857	1.0207	0.9	1.05	-	-	L	253	1272-1721DCT	23G
73185	BUNKER H	115	701	171	0.8857	1.0197	0.9	1.05	-	-	L	249	1272-1721DCT	11G
73185	BUNKER H	115	701	171	0.8859	1.0205	0.9	1.05	-	-	L	249	1272-1721DCT	3G
73185	BUNKER H	115	701	171	0.8869	1.0211	0.9	1.05	-	-	L	249	1272-1721DCT	19G
73185	BUNKER H	115	701	171	0.8983	1.0145	0.9	1.05	-	-	L	342	BUNKERH2T	17G
73185	BUNKER H	115	701	171	0.8988	1.0159	0.9	1.05	-	-	L	342	BUNKERH2T	9G
73185	BUNKER H	115	701	171	0.8994	1.0169	0.9	1.05	-	-	L	342	BUNKERH2T	25G
73668	E.SHORE	115	701	185	1.0502	1.0417	0.9	1.05	-	-	H	295	8100-8200DCT	20G
73668	E.SHORE	115	701	185	1.0502	1.0407	0.9	1.05	-	-	H	299	8100-8200DCT	16G
73668	E.SHORE	115	701	185	1.0512	1.0407	0.9	1.05	-	-	H	299	8100-8200DCT	8G
73668	E.SHORE	115	701	185	1.0523	1.0408	0.9	1.05	-	-	H	299	8100-8200DCT	24G
73682	ELMWST A	115	701	185	0.8898	1.0284	0.9	1.05	-	-	L	375	GRNDAV7TSTK	13G
73682	ELMWST A	115	701	185	0.8914	1.0284	0.9	1.05	-	-	L	438	WRIVER1TSTK	13G

ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

List of Voltage Violation: 27.7 GW NE Load, Dispatches 2G-25G, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

Sorted by bus name, then contingency voltage

Bus#	BusName	KV	Area	Zone	ContVolt	BaseVolt	LowLimit	UppLimit	Volt Drop	Volt Rise	Viol	Ncon	Contin.Description	Dispatch
73682	ELMWST A	115	701	185	0.8943	1.0279	0.9	1.05	-	-	L	379	GRNDAV7TSTK	25G
73682	ELMWST A	115	701	185	0.8953	1.0279	0.9	1.05	-	-	L	442	WRIVER1TSTK	25G
73682	ELMWST A	115	701	185	0.8958	1.0284	0.9	1.05	-	-	L	374	GRNDAV6TSTK	13G
73682	ELMWST A	115	701	185	0.8967	1.0267	0.9	1.05	-	-	L	379	GRNDAV7TSTK	17G
73682	ELMWST A	115	701	185	0.8975	1.027	0.9	1.05	-	-	L	379	GRNDAV7TSTK	9G
73682	ELMWST A	115	701	185	0.8976	1.0267	0.9	1.05	-	-	L	442	WRIVER1TSTK	17G
73682	ELMWST A	115	701	185	0.8979	1.0298	0.9	1.05	-	-	L	375	GRNDAV7TSTK	5G
73682	ELMWST A	115	701	185	0.8984	1.0298	0.9	1.05	-	-	L	374	GRNDAV6TSTK	5G
73682	ELMWST A	115	701	185	0.8986	1.027	0.9	1.05	-	-	L	442	WRIVER1TSTK	9G
73682	ELMWST A	115	701	185	0.8994	1.0298	0.9	1.05	-	-	L	438	WRIVER1TSTK	5G
73683	ELMWST B	115	701	185	0.8876	1.0284	0.9	1.05	-	-	L	372	GRNDAV4TSTK	13G
73683	ELMWST B	115	701	185	0.8892	1.0284	0.9	1.05	-	-	L	439	WRIVER2TSTK	13G
73683	ELMWST B	115	701	185	0.8923	1.0279	0.9	1.05	-	-	L	376	GRNDAV4TSTK	25G
73683	ELMWST B	115	701	185	0.8933	1.0279	0.9	1.05	-	-	L	443	WRIVER2TSTK	25G
73683	ELMWST B	115	701	185	0.8937	1.0284	0.9	1.05	-	-	L	373	GRNDAV5TSTK	13G
73683	ELMWST B	115	701	185	0.8947	1.0267	0.9	1.05	-	-	L	376	GRNDAV4TSTK	17G
73683	ELMWST B	115	701	185	0.8955	1.027	0.9	1.05	-	-	L	376	GRNDAV4TSTK	9G
73683	ELMWST B	115	701	185	0.8957	1.0267	0.9	1.05	-	-	L	443	WRIVER2TSTK	17G
73683	ELMWST B	115	701	185	0.896	1.0298	0.9	1.05	-	-	L	372	GRNDAV4TSTK	5G
73683	ELMWST B	115	701	185	0.8963	1.0298	0.9	1.05	-	-	L	373	GRNDAV5TSTK	5G
73683	ELMWST B	115	701	185	0.8966	1.027	0.9	1.05	-	-	L	443	WRIVER2TSTK	9G
73683	ELMWST B	115	701	185	0.8974	1.0298	0.9	1.05	-	-	L	439	WRIVER2TSTK	5G
73683	ELMWST B	115	701	185	0.8985	1.0279	0.9	1.05	-	-	L	377	GRNDAV5TSTK	25G
73683	ELMWST B	115	701	185	0.8998	1.0307	0.9	1.05	-	-	L	372	GRNDAV4TSTK	21G
73189	FREIGHT	115	701	171	0.8637	1.0162	0.9	1.05	-	-	L	253	1272-1721DCT	17G
73189	FREIGHT	115	701	171	0.8643	1.0176	0.9	1.05	-	-	L	253	1272-1721DCT	9G
73189	FREIGHT	115	701	171	0.8649	1.0186	0.9	1.05	-	-	L	253	1272-1721DCT	25G
73189	FREIGHT	115	701	171	0.8659	1.0172	0.9	1.05	-	-	L	249	1272-1721DCT	13G
73189	FREIGHT	115	701	171	0.8666	1.0188	0.9	1.05	-	-	L	249	1272-1721DCT	5G
73189	FREIGHT	115	701	171	0.8672	1.02	0.9	1.05	-	-	L	249	1272-1721DCT	21G
73189	FREIGHT	115	701	171	0.8786	1.0199	0.9	1.05	-	-	L	253	1272-1721DCT	22G
73189	FREIGHT	115	701	171	0.8792	1.0222	0.9	1.05	-	-	L	253	1272-1721DCT	14G
73189	FREIGHT	115	701	171	0.8793	1.0227	0.9	1.05	-	-	L	253	1272-1721DCT	6G
73189	FREIGHT	115	701	171	0.8793	1.0195	0.9	1.05	-	-	L	249	1272-1721DCT	10G
73189	FREIGHT	115	701	171	0.8794	1.0191	0.9	1.05	-	-	L	249	1272-1721DCT	2G
73189	FREIGHT	115	701	171	0.8799	1.0211	0.9	1.05	-	-	L	249	1272-1721DCT	18G
73189	FREIGHT	115	701	171	0.883	1.0173	0.9	1.05	-	-	L	249	1272-1721DCT	12G
73189	FREIGHT	115	701	171	0.883	1.0172	0.9	1.05	-	-	L	253	1272-1721DCT	16G
73189	FREIGHT	115	701	171	0.8833	1.0183	0.9	1.05	-	-	L	253	1272-1721DCT	8G
73189	FREIGHT	115	701	171	0.8835	1.0185	0.9	1.05	-	-	L	249	1272-1721DCT	4G
73189	FREIGHT	115	701	171	0.8838	1.0195	0.9	1.05	-	-	L	253	1272-1721DCT	24G

ESB Series Cases, Reconductored 387 Line (Genessee Conductor) Looped into Beseck

List of Voltage Violation: 27.7 GW NE Load, Dispatches 2G-25G, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

Sorted by bus name, then contingency voltage

Bus#	BusName	KV	Area	Zone	ContVolt	BaseVolt	LowLimit	UppLimit	Volt Drop	Volt Rise	Viol	Ncon	Contin.Description	Dispatch
73189	FREIGHT	115	701	171	0.8839	1.0209	0.9	1.05	-	-	L	253	1272-1721DCT	15G
73189	FREIGHT	115	701	171	0.8841	1.0218	0.9	1.05	-	-	L	253	1272-1721DCT	7G
73189	FREIGHT	115	701	171	0.8842	1.02	0.9	1.05	-	-	L	249	1272-1721DCT	20G
73189	FREIGHT	115	701	171	0.8842	1.0224	0.9	1.05	-	-	L	253	1272-1721DCT	23G
73189	FREIGHT	115	701	171	0.8842	1.0215	0.9	1.05	-	-	L	249	1272-1721DCT	11G
73189	FREIGHT	115	701	171	0.8844	1.0223	0.9	1.05	-	-	L	249	1272-1721DCT	3G
73189	FREIGHT	115	701	171	0.8854	1.0229	0.9	1.05	-	-	L	249	1272-1721DCT	19G
73671	NO.HAVEN	115	701	185	1.0504	1.0317	0.9	1.05	-	-	H	389	NOHAVN2TSTK	14G
73671	NO.HAVEN	115	701	185	1.0509	1.0323	0.9	1.05	-	-	H	389	NOHAVN2TSTK	6G
73671	NO.HAVEN	115	701	185	1.0515	1.0331	0.9	1.05	-	-	H	389	NOHAVN2TSTK	22G
73671	NO.HAVEN	115	701	185	1.0517	1.0336	0.9	1.05	-	-	H	385	NOHAVN2TSTK	5G
73671	NO.HAVEN	115	701	185	1.0523	1.0348	0.9	1.05	-	-	H	385	NOHAVN2TSTK	21G
73671	NO.HAVEN	115	701	185	1.0534	1.0346	0.9	1.05	-	-	H	385	NOHAVN2TSTK	10G
73671	NO.HAVEN	115	701	185	1.0539	1.0426	0.9	1.05	-	-	H	389	NOHAVN2TSTK	8G
73671	NO.HAVEN	115	701	185	1.0539	1.043	0.9	1.05	-	-	H	385	NOHAVN2TSTK	11G
73671	NO.HAVEN	115	701	185	1.054	1.0432	0.9	1.05	-	-	H	385	NOHAVN2TSTK	3G
73671	NO.HAVEN	115	701	185	1.054	1.0424	0.9	1.05	-	-	H	389	NOHAVN2TSTK	16G
73671	NO.HAVEN	115	701	185	1.0541	1.042	0.9	1.05	-	-	H	389	NOHAVN2TSTK	15G
73671	NO.HAVEN	115	701	185	1.0542	1.0354	0.9	1.05	-	-	H	385	NOHAVN2TSTK	2G
73671	NO.HAVEN	115	701	185	1.0543	1.043	0.9	1.05	-	-	H	385	NOHAVN2TSTK	12G
73671	NO.HAVEN	115	701	185	1.0545	1.0434	0.9	1.05	-	-	H	385	NOHAVN2TSTK	19G
73671	NO.HAVEN	115	701	185	1.0545	1.0428	0.9	1.05	-	-	H	389	NOHAVN2TSTK	24G
73671	NO.HAVEN	115	701	185	1.0546	1.0427	0.9	1.05	-	-	H	389	NOHAVN2TSTK	23G
73671	NO.HAVEN	115	701	185	1.0546	1.0424	0.9	1.05	-	-	H	389	NOHAVN2TSTK	7G
73671	NO.HAVEN	115	701	185	1.0549	1.0434	0.9	1.05	-	-	H	385	NOHAVN2TSTK	4G
73671	NO.HAVEN	115	701	185	1.055	1.0364	0.9	1.05	-	-	H	385	NOHAVN2TSTK	18G
73671	NO.HAVEN	115	701	185	1.0559	1.044	0.9	1.05	-	-	H	385	NOHAVN2TSTK	20G
73672	SACKETT	115	701	185	1.0501	1.0386	0.9	1.05	-	-	H	181	84004LINE	24G
73672	SACKETT	115	701	185	1.0501	1.0386	0.9	1.05	-	-	H	387	MIXAVE1	24G
73672	SACKETT	115	701	185	1.0505	1.0388	0.9	1.05	-	-	H	177	84004LINE	4G
73672	SACKETT	115	701	185	1.0505	1.0388	0.9	1.05	-	-	H	383	MIXAVE1	4G
73672	SACKETT	115	701	185	1.0513	1.0395	0.9	1.05	-	-	H	177	84004LINE	20G
73672	SACKETT	115	701	185	1.0514	1.0395	0.9	1.05	-	-	H	383	MIXAVE1	20G
73199	SO.NAUG	115	701	171	0.895	1.0057	0.9	1.05	-	-	L	253	1272-1721DCT	17G
73199	SO.NAUG	115	701	171	0.8955	1.0067	0.9	1.05	-	-	L	253	1272-1721DCT	9G
73199	SO.NAUG	115	701	171	0.8961	1.0075	0.9	1.05	-	-	L	253	1272-1721DCT	25G
73199	SO.NAUG	115	701	171	0.897	1.0067	0.9	1.05	-	-	L	249	1272-1721DCT	13G
73199	SO.NAUG	115	701	171	0.8976	1.0079	0.9	1.05	-	-	L	249	1272-1721DCT	5G
73199	SO.NAUG	115	701	171	0.8982	1.0088	0.9	1.05	-	-	L	249	1272-1721DCT	21G