



# PowerGEM

Power Grid Engineering & Markets

## Southwest Connecticut Transmission Expansion East Shore to Norwalk 345 KV OH/UG Alternative : Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY $\pm$ 700 MW

**Prepared for:**

**The United Illuminating Company**

**and**

**Northeast Utilities**

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<b>EXECUTIVE SUMMARY .....</b>	<b>2</b>
<b>1. INTRODUCTION .....</b>	<b>4</b>
<b>2. DATABASE .....</b>	<b>6</b>
2.1. POWER FLOW BASE CASES .....	6
2.2. CONTINGENCY FILE.....	7
<b>3. METHODOLOGY AND RESULTS FILES.....</b>	<b>8</b>
3.1. SOFTWARE .....	8
3.2. PERFORMANCE CRITERIA .....	8
3.3. SOLUTION OPTIONS .....	8
<b>4. TRANSMISSION LOADING RESULTS .....</b>	<b>9</b>
4.1. BASE CASE RESULTS.....	9
4.2. POST-CONTINGENCY RESULTS.....	9
4.2.1. <i>Table of Results</i> .....	9
4.2.2. <i>Discussion of Results</i> .....	10
<b>5. TRANSMISSION VOLTAGE RESULTS .....</b>	<b>12</b>
5.1. TABLES OF RESULTS.....	12
5.2. DISCUSSION OF RESULTS.....	12
<b>6. REFERENCES .....</b>	<b>15</b>

## Executive Summary

This report summarizes power flow analysis conducted for The United Illuminating Company (UI) and Northeast Utilities (NU) for one option for expanding the New England 345 kV transmission system into southwest Connecticut (SWCT). The transmission option examined, called “East Shore 27-OH/UG” in this report, is for a 345 kV transmission path from East Shore to Norwalk substations, with interconnecting substations between these stations.<sup>1</sup> The “East Shore 27-OH/UG” transmission option, which consists primarily of underground cables with one section of overhead line, is described as follows:

From	To	Distance	Transmission
East Shore	Orange (cable to overhead line transition station)	7 miles	345 kV underground, 2500 kcmil HPFF, three parallel cables
Orange (cable to overhead line transition station)	East Devon	9.4 miles	345 kV overhead bundled 1590 ACSR conductor, single circuit
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

The focus of this report is to examine the effect of ±700 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 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 (References 1 thru 4) summarize similar analyses with zero power transfer from New England to New York. Reference 5 is a study similar to this study except that the existing 387 line has been reconducted.

In addition to 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 sixteen dispatch conditions studied.

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<sup>1</sup> 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.

SWCT Transmission Expansion:  
 East Shore to Norwalk 345 kV OH/UG Alternative  
 Transmission Loading and Voltage Analysis, NE-NY ±700 MW

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The East Shore to Scovill Rock 345 kV line is also above normal rating in six of sixteen base cases, in the range of 5% to 25%. Several 115 kV lines were also 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:

SWCT Dispatch ID	Number of Overloaded Branches					
	NE-NY 0 MW (Note 1)		NE-NY 700 MW		NY-NE 700 MW	
	NHHS On	NHHS Off	NHHS On	NHHS Off	NHHS On	NHHS Off
	2B-5B	6B-9B	10B-13B	14B-17B	18B-21B	22B-25B
<b>345 kV Line</b>	1	3	3	4	0	1
<b>115 kV Line</b>	23	24	24	28	23	24
<b>345/115 AutoTrans</b>	1	1	1	1	1	1
<b>138 kV CT-LI Tie (2)</b>	0	0	0	0	2	2

(1) Based on the results of studies in References 3 and 4.

(2) Overloads are of transformers at each end of the cable (line 1385).

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

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

SWCT Dispatch ID	Number of Bus Voltage Violations					
	NE-NY 0 MW (Note1)		NE-NY 700 MW		NY-NE 700 MW	
	NHHS On	NHHS Off	NHHS On	NHHS Off	NHHS On	NHHS Off
	2B-5B	6B-9B	10B-13B	14B-17B	18B-21B	22B-25B
<b>345 kV Violations</b>						
<b>115 kV Violations</b>	9	10	9	7	9	10

(1) Based on the results of studies in References 1 and 2.

There are three contingencies that trip the East Shore to Scovill Rock 345 kV line (387 line), with the most severe being a stuck breaker contingency that trips the Scovill Rock to Haddam Neck and Scovill Rock to East Shore 345 kV lines including the Cross-Sound Cable (SCOVKR8TSTK). Though not converged to normal mismatch criteria, results indicate that for some dispatch and transfer conditions loss of the 387 line results in widespread 345 kV and 115 kV low voltage violations in the study area.

## 1. Introduction

This report summarizes power flow analysis conducted for The United Illuminating Company (UI) and Northeast Utilities (NU) for one option for expanding the New England 345 kV transmission system into southwest Connecticut (SWCT). The transmission option examined, called “East Shore 27-OH/UG” in this report, is for a 345 kV transmission path from East Shore to Norwalk substations, with interconnecting substations between these stations.<sup>2</sup> The “East Shore 27-OH/UG” transmission option, which consists primarily of underground cables with one section of overhead line, is described as follows:

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The focus of this report is to examine the effect of ±700 MW transfers from New England to New York, 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 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 (References 1 thru 4) summarize similar analyses with zero power transfer from New England to New York. Reference 5 is a study similar to this one except that the limiting portion of the existing 387 line has been reconducted.

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. Performance is examined for a 27.7 GW New England load level.

The following Appendices are included in this report:

**Appendix A**            “East Shore 27-OH/UG” Transmission Modeling Data  
**Appendix B**            Power Flow Base Case One-Line Diagrams

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<sup>2</sup> 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.

<b>Appendix C</b>	<b>Contingency File</b>
<b>Appendix D</b>	<b>Generation Dispatches</b>
<b>Appendix E</b>	<b>Summary of Overloads</b>
<b>Appendix F</b>	<b>Summary of Voltage Violations</b>

## 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 27-OH/UG” transmission project. Details regarding the modeling of these circuits are provided in Appendix A. In addition to this, the rating of the East Shore to Scovill Rock 345 kV line was increased to reflect the line rating by reconfiguring the East Shore Substation and removing the 345/115 kV autotransformers from the 387 line path. The line ratings used were 1240 MVA normal and 1604 MVA long-time emergency.

Each of the four base cases provided had different Connecticut generation dispatches (designated dispatches 2, 3, 4, and 5). 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 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 sixteen 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.

SWCT Generation Dispatch ID	Case or “Dispatch” Identifier			
	NE-NY 700 MW		NY-NE 700 MW	
	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	10B	14B	18B	22B
3	11B	15B	19B	23B
4	12B	16B	20B	24B
5	13B	17B	21B	25B

The “B” in the identifier signifies that the modeling of the 387 line assumes the existing conductor of the line is used.

A one-line diagram showing power flows and voltages on the “East Shore 27-OH/UG” (and Bethel to Norwalk) transmission for each of the sixteen 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 is 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 Kleen Energy project on the Scovill Rock to Manchester 345 kV line, and is contained in Appendix C.

- Loss of multiple 345 kV underground cables on the “East Shore 27-OH/UG” configuration between Orange and East Shore, or loss of parallel cables between Devon and Norwalk, is not considered. (Simultaneous loss of one cable from Devon to Singer and Singer to Norwalk is included as a contingency).
- For loss of the Orange to East Devon 345 kV overhead line, all three 345 kV underground cables from Orange to East Shore were opened.

### **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 387 line for base case conditions is an important consideration for this transmission alternative, and is summarized in the following table. One-lines showing the flows on this line for each case are in Appendix B.

SWCT Generation Dispatch ID	Base Case Loading of 387 Line (% of normal rating)			
	NE-NY 700 MW		NY-NE 700 MW	
	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	105%	125%	89%	109%
3	76%	95%	60%	79%
4	60%	79%	44%	63%
5	103%	123%	87%	106%

As indicated in the table, the 387 line is overloaded in the base case for six of the sixteen base case conditions studied.

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

From bus	To bus	CKT	NE-NY 700 MW						NY-NE 700 MW				
			NHHS On			NHHS Off			NHHS On		NHHS Off		
			10B	11B	13B	14B	15B	17B	18B	19B	22B	23B	25B
73107	SCOVL RK 345	73663 E. SHORE 345 1	105.4		103.1	124.8		122.5			108.5		106.2
73169	RYTN J A 115	73172 NORWALK 115 1	111.9	107.2		114.6	109.2		113.4	108.8	116.3	111.2	
73172	NORWALK 115	73207 FLAX HIL 115 1	120.2	115.7		122.8	117.6		121.7	117.2	124.5	119.6	
73207	FLAX HIL 115	73271 RYTN J B 115 1				102.5			101.1		104.1		

As the table indicates, in addition to the 387 line there are three 115 kV transmission lines that experience base case overloads.

### 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

There are four existing 345 kV lines that experience post-contingency overloads (the East Shore to Scovill Rock 345 kV line also experiences base case overloads, as discussed above) as well as one new circuit in the transmission alternative under study. These are summarized in the table below:

<b>Maximum Post-Contingency Overloads 345 kV Transmission</b>		
<b>Line Name</b>	<b>Contingency Rating</b>	<b>Max Overload</b>
Frost Bridge to Southington (existing O/H Line)	1446 MVA	20.5%
Southington to Meriden (existing O/H Line)	1912 MVA	15.1%
Scovill Rock to East Shore (existing O/H Line)	1604 MVA	34.3%
Haddam Auto to Millstone (existing O/H Line)	1524 MVA	5.5%
Norwalk to Singer (underground cable in transmission alternative in this study)	794 MVA	1.8%

One 345/115kV transformer at Southington experiences post-contingency overloads in almost all of the dispatches studied, with the maximum overload being 35.8 percent.

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

Finally, for dispatches 21B and 25B the transformers associated with the Connecticut to Long Island AC cables (1385 line) are overloaded by up to 24%, 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.

**Table 1**  
**Highest Overload: 27.7 GW NE Load, Dispatches 10B - 25B, Existing 387 Line**

345 kV Line		Max Ovid.]	NE-NY 700 MW								NY-NE 700 MW							
345/115 kV Autotransformer			NHHS On				NHHS Off				NHHS On				NHHS Off			
CT-LI cable (line 1385) transformer			10B	11B	12B	13B	14B	15B	16B	17B	18B	19B	20B	21B	22B	23B	24B	25B
115 kV Line																		
73104	FRSTBDGE 345 73106 SOUTHGTN 345 1	20.5	2.5			4.2	19.7			20.5								
73106	SOUTHGTN 345 73122 MERID362 345 1	15.1					15.1							14.4				
73106	SOUTHGTN 345 73154 SGTN B 115 2	35.8	27.8	19.1	14.9	29.9	33.6	24.1	20	35.8	9.3	0.6		11	14.7	5.7	1.6	16.5
73107	SCOVLRK 345 73663 E.SHORE 345 1	34.3	15.4			14.7	34.3	6		34.3					13.1			12.4
73121	HADAUTO 345 73110 MILLSTNE 345 1	5.5					3.5			5.5								
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
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
73164	BALDWNJA 115 73187 STEVENSN 115 1	4.5					4.5								2.2			
73164	BALDWNJA 115 73202 FROST BR 115 1	14.5					14.5			9.5					10.9			
73166	NORHR138 138 73171 NWLK HAR 115 1	24.1											17.8					24.1
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
73168	GLNBROOK 115 73169 RYTN J A 115 1	3.4				1.1				2.2				2.3				3.4
73168	GLNBROOK 115 73237 ELYAVE 115 1	54.7			50.6	53.2			51.1	53.7			51.6	54.2			51.9	54.7
73168	GLNBROOK 115 73271 RYTN J B 115 1	49.1	18.5	15.1	37.3	45.8	20.4	16.7	38.7	47.5	20.1	16.6	39	47.4	21.9	18.2	40.4	49.1
73169	RYTN J A 115 73171 NWLK HAR 115 1	45.2			44	42.8			44.1	42.7			45.2	43.8			44.5	43.9
73169	RYTN J A 115 73172 NORWALK 115 1	85.5	80.7	75.5			83.6	77.5			82.3	77.1			85.5	79.8		
73170	PLUMTREE 115 73176 TRIANGLE 115 1	89.2	77	75	73.4	75.8	88.5	86.3	74.6	87.7	78.2	75.1	71.8	75.4	89.2	76.8	72.8	85.4
73170	PLUMTREE 115 73176 TRIANGLE 115 2	35.4	35.1	35	34.8	35	35.3	35.3	35	35.2	35.3	34.9	34.5	34.8	35.4	35.2	34.7	35
73170	PLUMTREE 115 73268 MDDLRLV 115 1	188.0	184.1	183.6	183.2	183.7	187.8	187.2	183.6	187.5	184.5	183.5	182.5	183.5	188	184.1	182.9	187.2
73171	NWLK HAR 115 73237 ELYAVE 115 1	60.7			49.1	56.4			50.5	57.8			51.9	59.1			52.7	60.7
73171	NWLK HAR 115 73271 RYTN J B 115 1	4.5			4.3	4.2			4.2	4.5			4.3	4.2			4.2	4.4
73172	NORWALK 115 73207 FLAX HIL 115 1	100.0	95.1	89.9			98	92			96.8	91.6			100	94.3		
73183	SHAWSHIL 115 73185 BUNKER H 115 1	13.4	5.5			5.7	13.2			13.4	2.7			2.9	10.2			10.4
73188	BCNFL PF 115 73192 DRBY J B 115 1	33.4	29.9	27.6	26.5	32.1	31.4	28.1	27	33.3	29.9	27.6	26.5	32.1	31.3	28.1	27	33.4
73196	GLEN JCT 115 73198 SOUTHGTN 115 1	31.3	2.5			2	31.3			29.8					11			10.3
73196	GLEN JCT 115 73675 MIX AVE 115 1	2.2					2.2											
73198	SOUTHGTN 115 73631 WLNGF PF 115 1	11.5					11.5			10								
73207	FLAX HIL 115 73271 RYTN J B 115 1	82.7	77.7	72.4			80.7	74.6			79.3	74.1			82.7	76.8		
73224	TRMB J A 115 73700 PEQUONIC 115 1	2.3			2.3								0.8					
73228	BALDWNJB 115 73185 BUNKER H 115 1	6.0					6			3.7								
73230	HADDAM 115 73231 BOKUM 115 1	27.4	13.1			12.9	27.3	3.3		27.4	4.9			4.8	19			19
73230	HADDAM 115 73231 BOKUM 115 2	10.7					10.7			10.7					3.4			3.4
73231	BOKUM 115 73265 GREEN HL 115 1	2.8					2.1			2.8								
73268	MDDLRLV 115 73176 TRIANGLE 115 1	126.5	123	122.6	122.3	122.8	126.3	125.8	122.6	126.1	123.4	122.6	121.9	122.6	126.5	123	122.1	125.9
73317	NORSING2 345 73315 SINGNOR2 345 1	1.8		1.8														
73669	GRAND AV 115 73681 WEST RIV 115 1	2.8				2.8								0.6				
73669	GRAND AV 115 73681 WEST RIV 115 2	2.8				2.8								0.6				
73701	CRRA JCT 115 73703 ASHCREEK 115 1	0.9	0.4	0.9			0	0.5				0.4				0.2		
75053	NRTHPT P 138 75051 NRTHPT1 138 1	12.9											7.1					12.9

## 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 (shown later in this report) for all contingencies except SCOVK8TSTK.

Low voltage violations in the 345 kV system for the SCOVK8TSTK contingency are provided in the table below:

345 kV Bus Voltage Violations Contingency SCOVK8TSTK		
	Dispatch	
Bus Name	14B	17B
DEVON	0.063	0.056
E. SHORE	0.073	0.067
FRSTBDGE	0.047	0.047
HADAUTO	0.009	0.011
LONG MTN	0.040	0.036
MERID362	0.019	0.022
NORWALK	0.061	0.050
PLUMTREE	0.062	0.052
SINGER	0.062	0.053
SOUTHGTN	0.032	0.034
Values are violation below the 0.95 low voltage limit for 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 Tables 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, *including explanations on interpreting values in the tables.*

### 5.2. Discussion of Results

Focusing on the results in Table 2, all low voltages for contingencies not involving loss of the 387 line (East Shore to Scovill Rock 345 kV) are for 115 kV buses. The worst voltages are for conditions when NHHS is off-line (shaded area in Table 2). However, most buses that experience post-contingency under-voltages with NHHS off-line also experience under-voltages for other dispatch conditions.

In addition to the SCOVK8TSTK contingency, there are two other contingencies involving loss of the 387 line that result in low voltages:

- 387LINE: This contingency trips the East Shore to Scovill Rock 345 kV line including the Cross Sound Cable.

- 1460-387DCT: This is a contingency tripping the East Shore to Branford Railroad 115 kV line as well as the 387 line including the Cross Sound Cable.

The SCOVK8TSTK contingency, which trips the Scovill Rock to Haddam Neck 345 kV line, and the Scovill Rock to East Shore 345 kV line, including the Cross Sound Cable to Long Island, is the most severe of these in terms of voltage performance. This contingency results in widespread low voltages in the 345 kV system for two SWCT dispatches when (1) NHHS is off-line and (2) there is a NE-NY transfer of 700 MW. It is notable that the pre-contingency loading on the 387 line for these two conditions is the highest of all the conditions studied in the report, making loss of it a more severe condition. There were many low 115 kV voltages as well, which are not shown above, but are contained in Appendix F. In addition to the 345 kV and 115 kV low voltages, the power flow program was not able to converge to its normal tolerance, which can be an indication of voltage instability.

**TABLE 2**  
**Worst 115 kV Bus Low Voltage Violations, Dispatches 10B - 25B, Existing 387 Line**  
**(excludes contingency SCOVK8TSTK)**

	NE-NY 700 MW									NY-NE 700 MW							
	Worst Viol	NHHS On				NHHS Off				NHHS On				NHHS Off			
		10B	11B	12B	13B	14B	15B	16B	17B	18B	19B	20B	21B	22B	23B	24B	25B
BALDWINB	0.047	0.024	0.016	0.016	0.036		0.017	0.017	0.047	0.023	0.015	0.015	0.035	0.029	0.016	0.015	0.042
BCNFL PF	0.012				0.007								0.005				0.012
BUNKER H	0.047	0.023	0.016	0.016	0.036	0.03	0.016	0.016	0.047	0.023	0.015	0.015	0.034	0.028	0.016	0.015	0.042
CONGRESS	0.023								0.023								0.013
ELMWST A	0.027				0.005		0.001						0.003	0.019			0.027
ELMWST B	0.030		0.001		0.007		0.003	0					0.005	0.021			0.03
FREIGHT	0.048	0.025	0.017	0.017	0.037	0.031	0.018	0.018	0.048	0.024	0.016	0.016	0.036	0.03	0.017	0.017	0.043
SO. NAUG	0.011				0.006								0.005				0.011

Note: No 345 kV voltage violations were found for contingencies not involving loss of the 387 line.



## 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-conducted, 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-conducted, 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, 387 Line Re-conducted, NE-NY ± 700 MW, PowerGEM Report 10021.001-6 dated February 16, 2004.

## **Appendix A**

### East Shore 27-OH/G Transmission Modeling Data

Phase 2 Circuit Parameters: East Shore to Norwalk 345 kV														
From	To	No. of Ckts	Miles	Type	Each Circuit						Ratings (MVA)	Comments	Each Cable	
					R (total)	X (total)	B (total)	R/mile	X/mile	B/mile			From Bus Reactor	To Bus Reactor
Norwalk	Singer	2	15	2500 kcmil HPFF U/G	0.00062	0.00307	3.28943	0.00004133	0.00020467	0.21929533	632 / 794 / 794	Already in base case	85	85
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	Already in base case	80	80
E. Devon	Orange	1	9.4	1590 bund. ACSR O/H	0.00027	0.00442	0.08272	0.000029	0.00047	0.0088	2038 / 2634 / 3090	Add to base case	none	none
Orange	E.Shore	3	7	2500 kcmil HPFF U/G	0.00029	0.00143	1.53507	0.000041	0.000205	0.219295	632 / 794 / 794	Add to base case	75	75

## Appendix B

### Power Flow Base Case One-Line Diagrams

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

NHHS = 447 MW New Haven Harbor Station

### **Dispatch Changes to Create 700 MW NE to NY Cases**

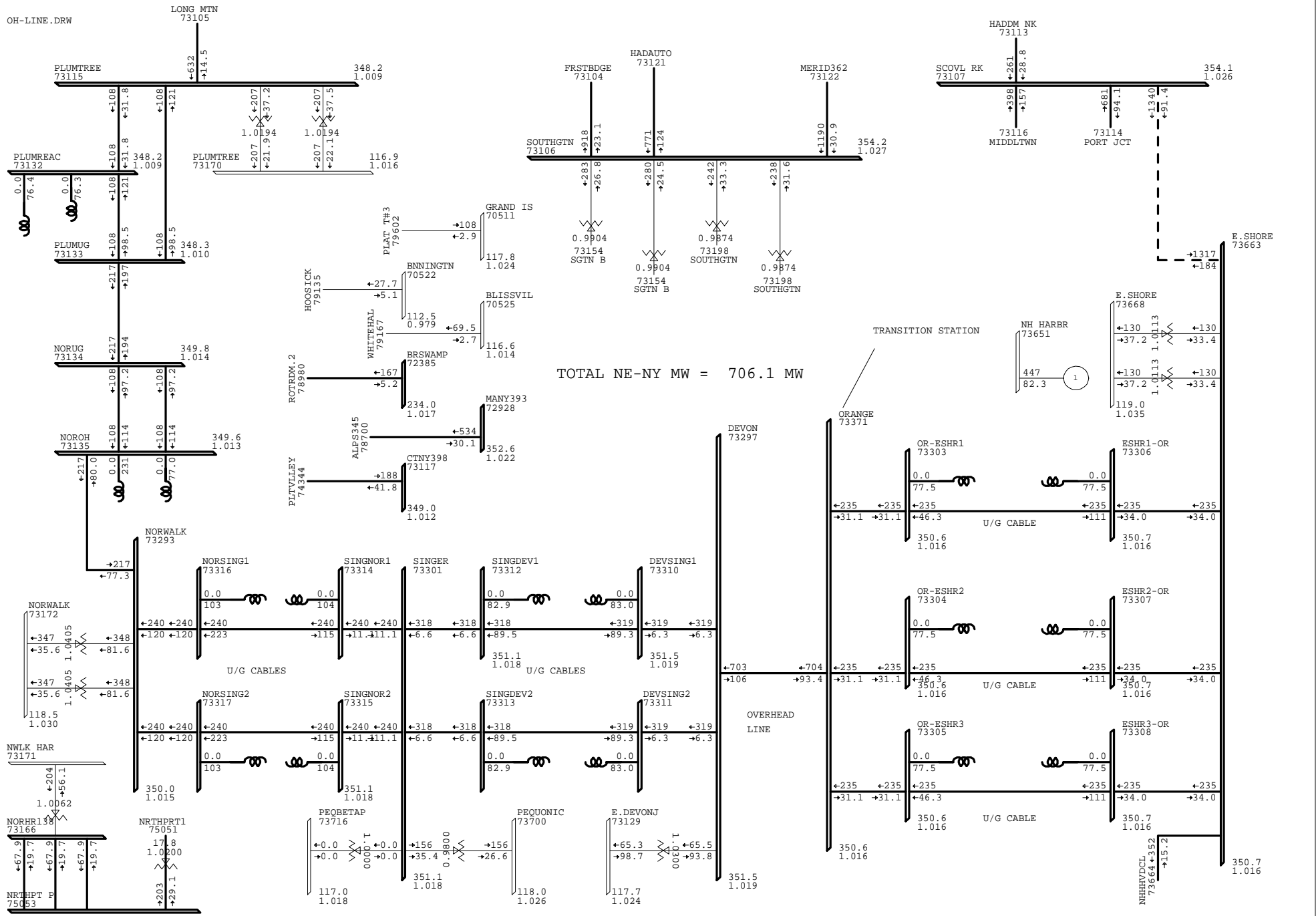
Bring on MIS GT2 (70061) at reduced output	+150.0 MW
Bring on Edgar GT1 (70909)	+276.2 MW
Bring on Edgar ST1 (70911) at reduced output	<u>+273.8 MW</u> *adjust as needed
	+700.0 MW

Take off Oswego 6 (77953)	-850.0 MW
Increase Roseton Gen1 (74190)	<u>+150.0 MW</u> *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)	<u>-290.0 MW</u>
	-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)	<u>+230.0 MW</u> *adjust as needed
	+700.0 MW



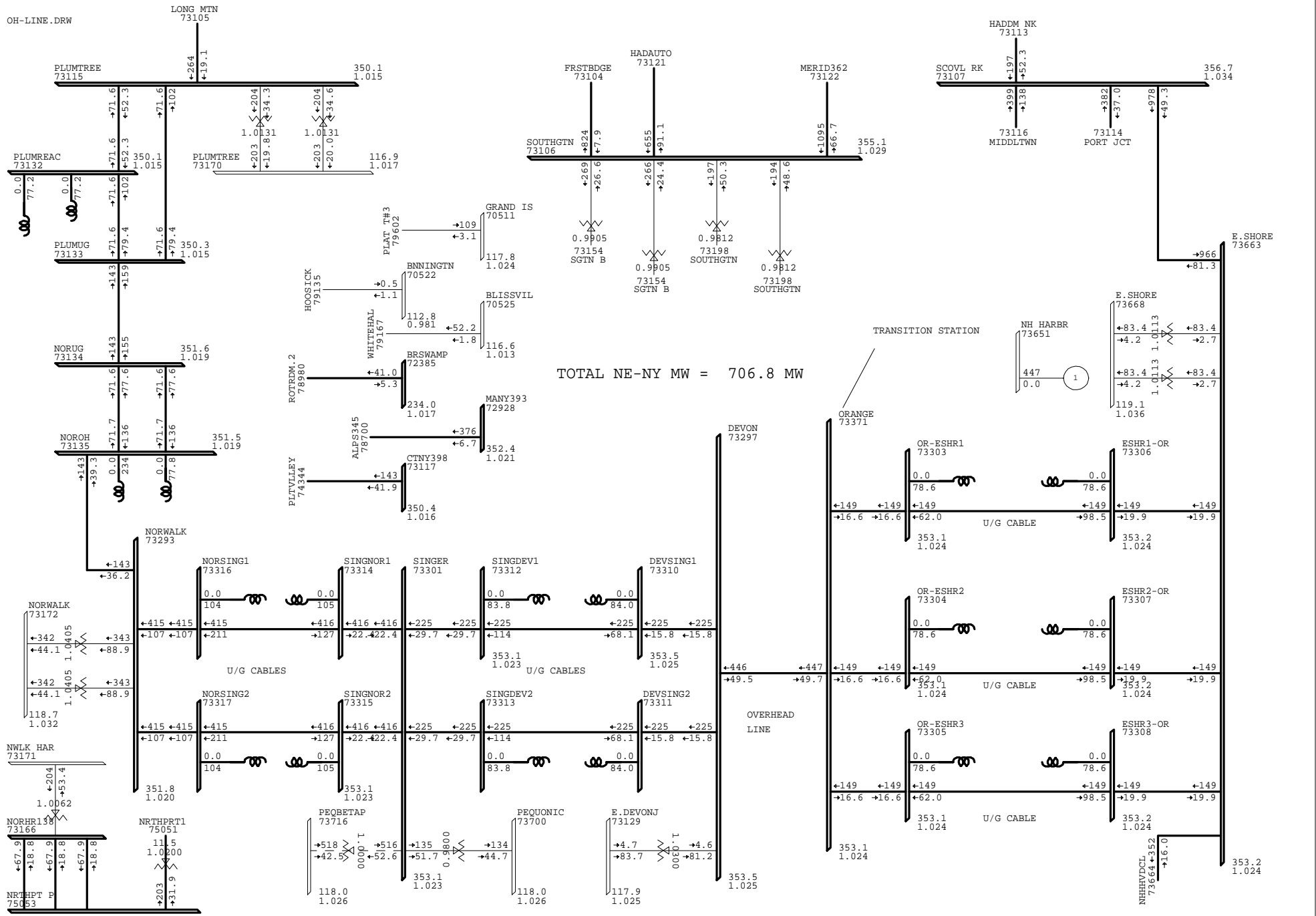
TOTAL NE-NY MW = 706.1 MW

EN277-10B, 27.7 GW, DISP 10, E.SHR-NRWK U/G+O/H, NE-NY 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:27

100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR





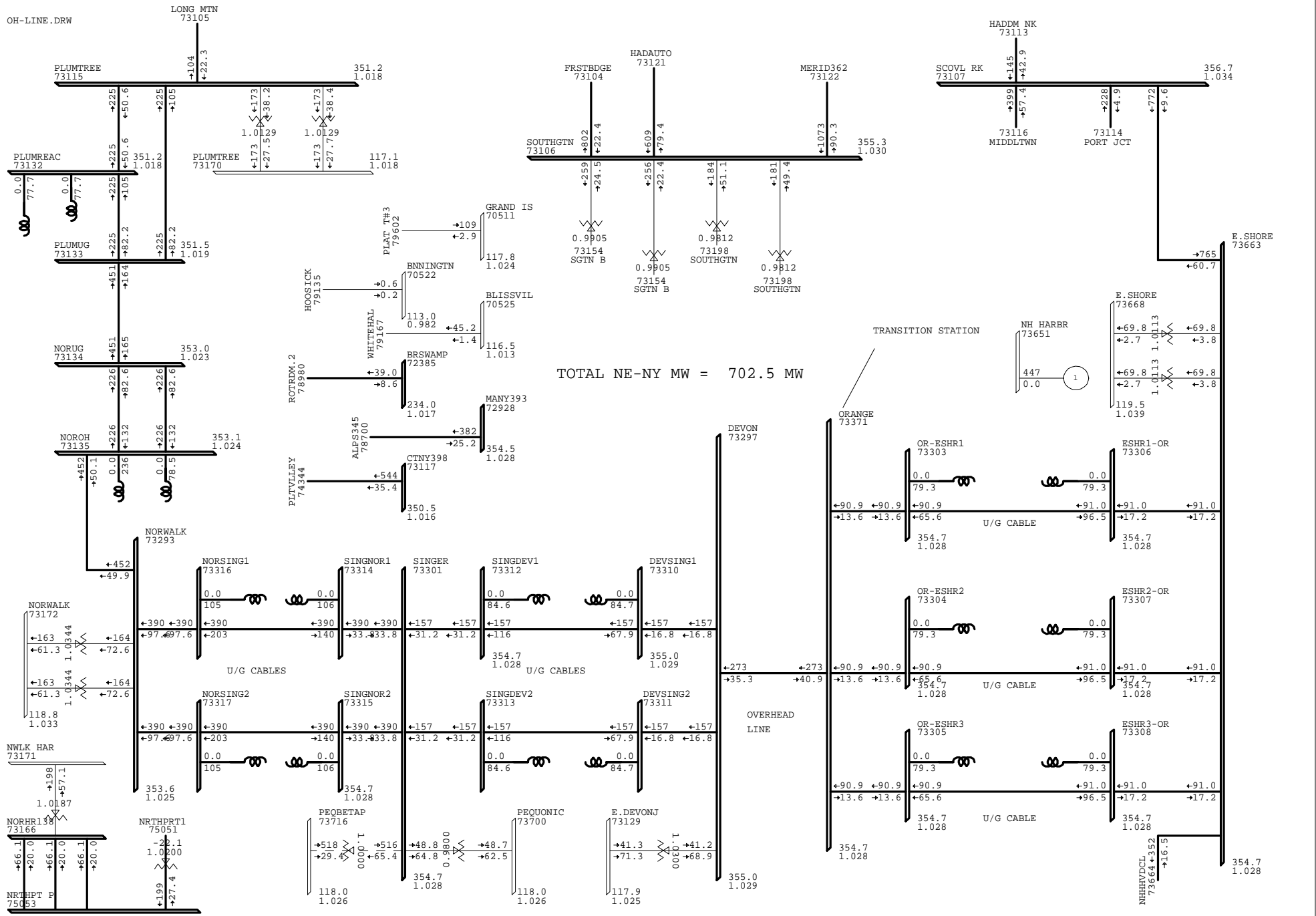
TOTAL NE-NY MW = 706.8 MW

EN277-11B, 27.7 GW, DISP 11, E.SHR-NRWK U/G+O/H, NE-NY 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:27

100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR





TOTAL NE-NY MW = 702.5 MW

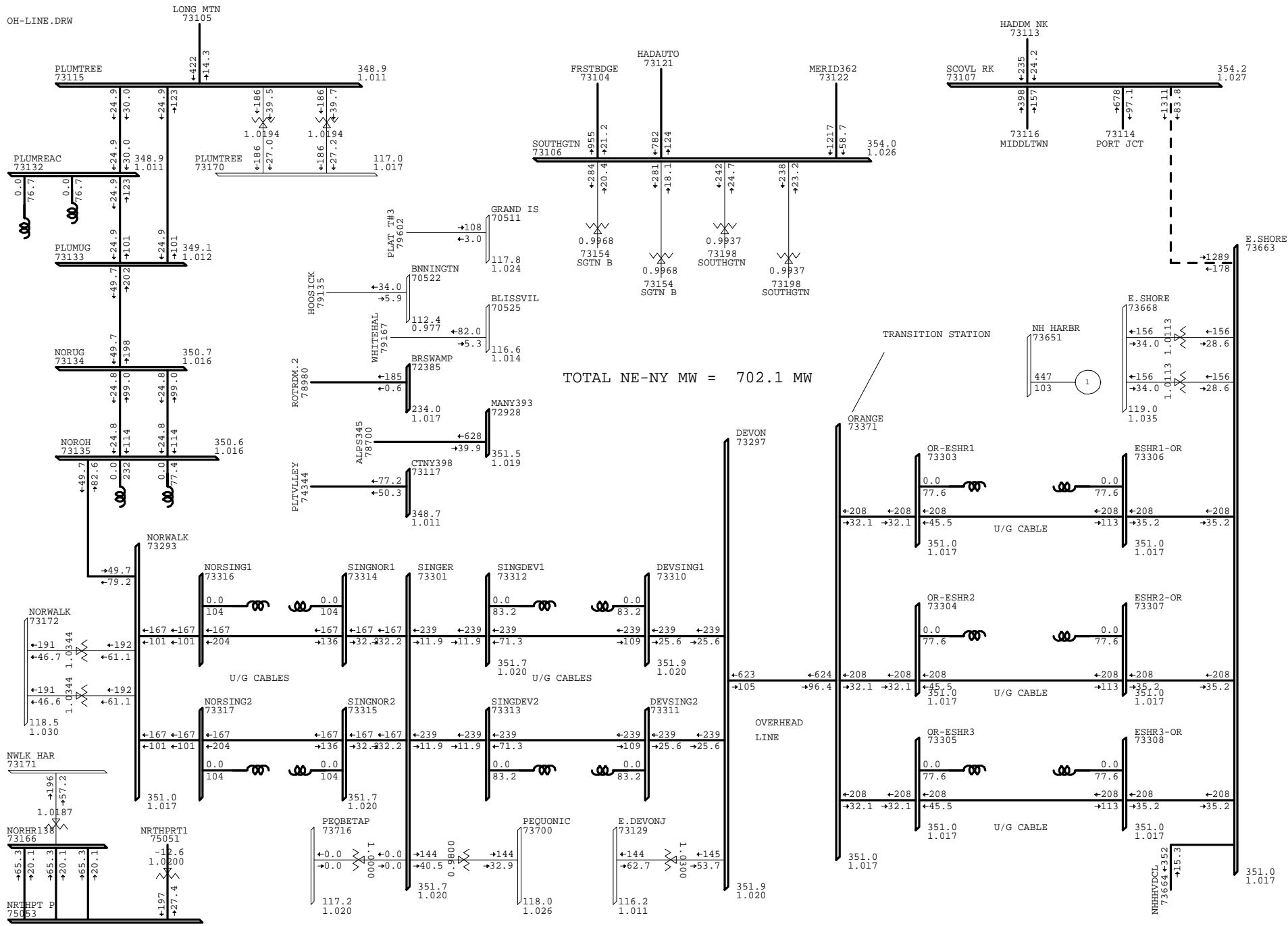


EN277-12B, 27.7 GW, DISP 12, E.SHR-NRWK U/G+O/H, NE-NY 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:27

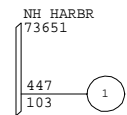
100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR





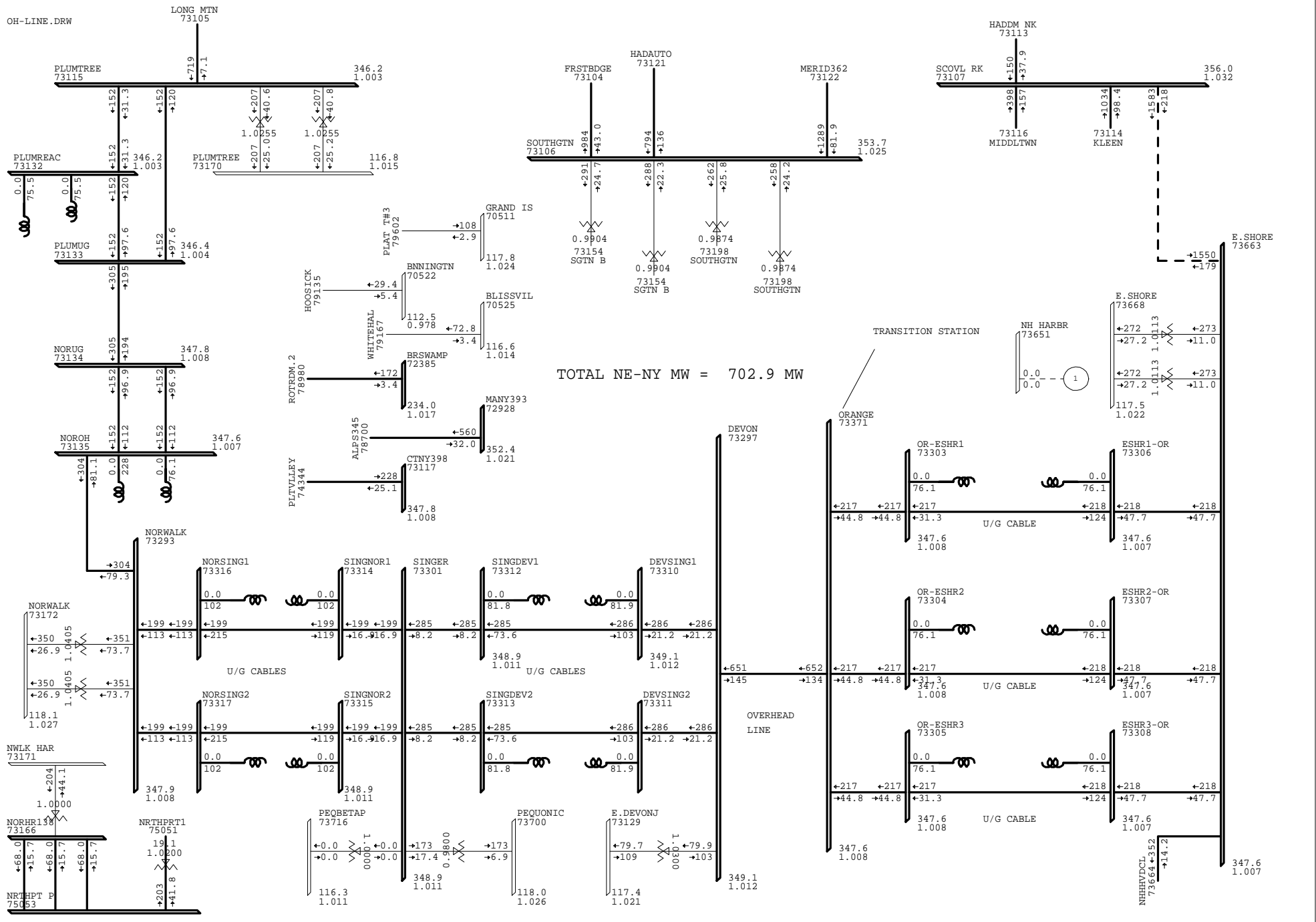
TOTAL NE-NY MW = 702.1 MW



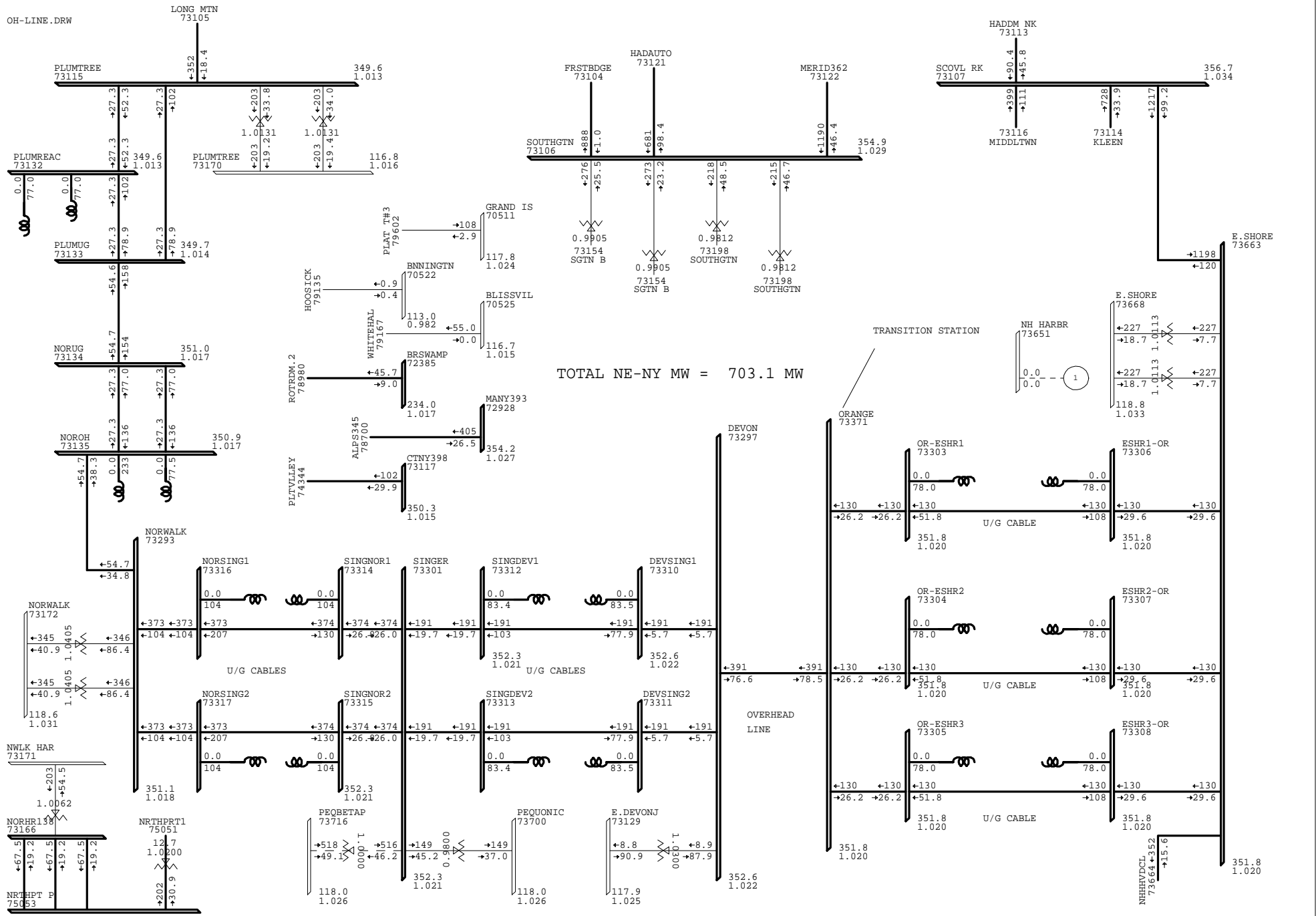
EN277-13B, 27.7 GW, DISP 13, E.SHR-NRWK U/G+O/H, NE-NY 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:27

100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR



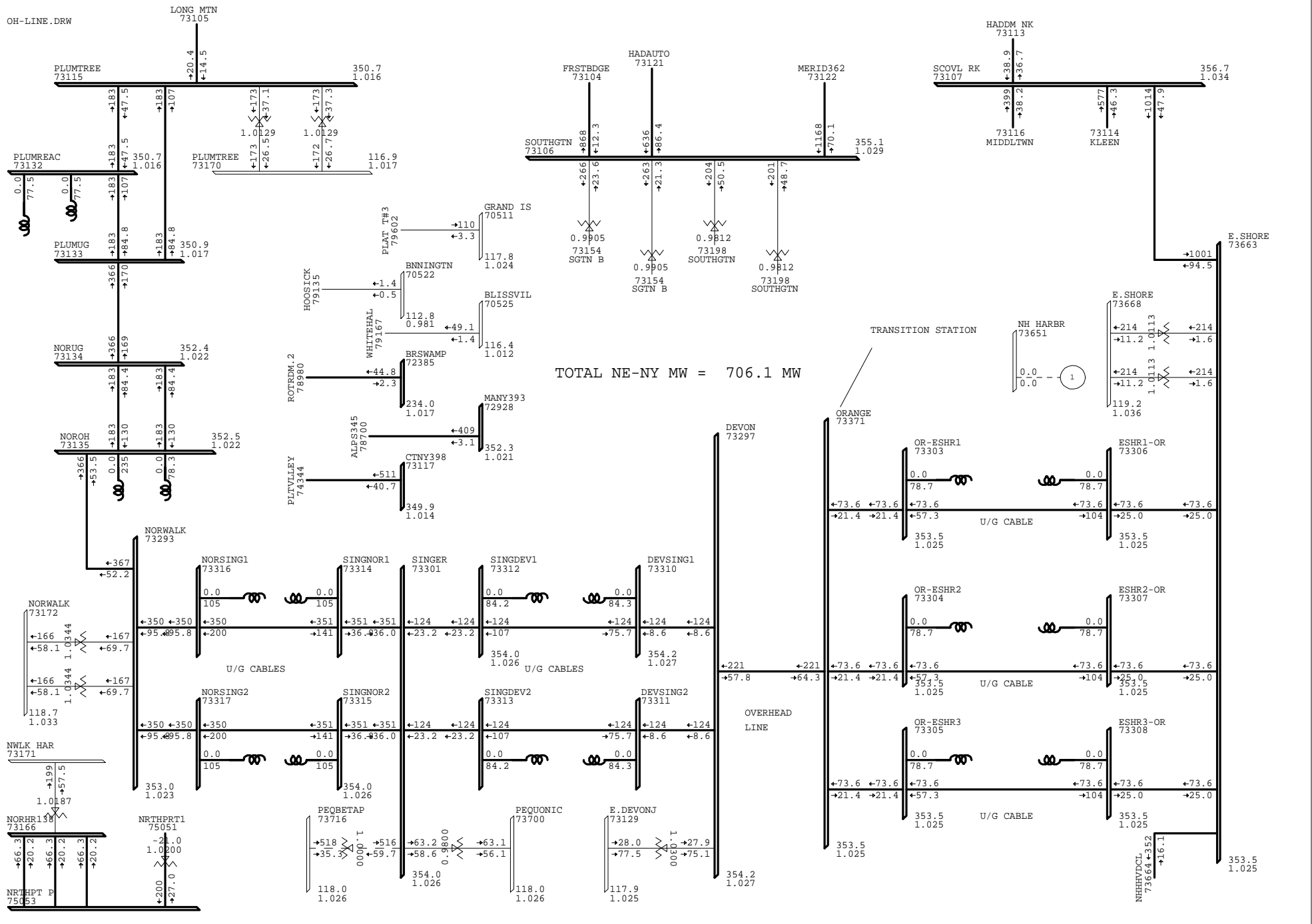
TOTAL NE-NY MW = 702.9 MW



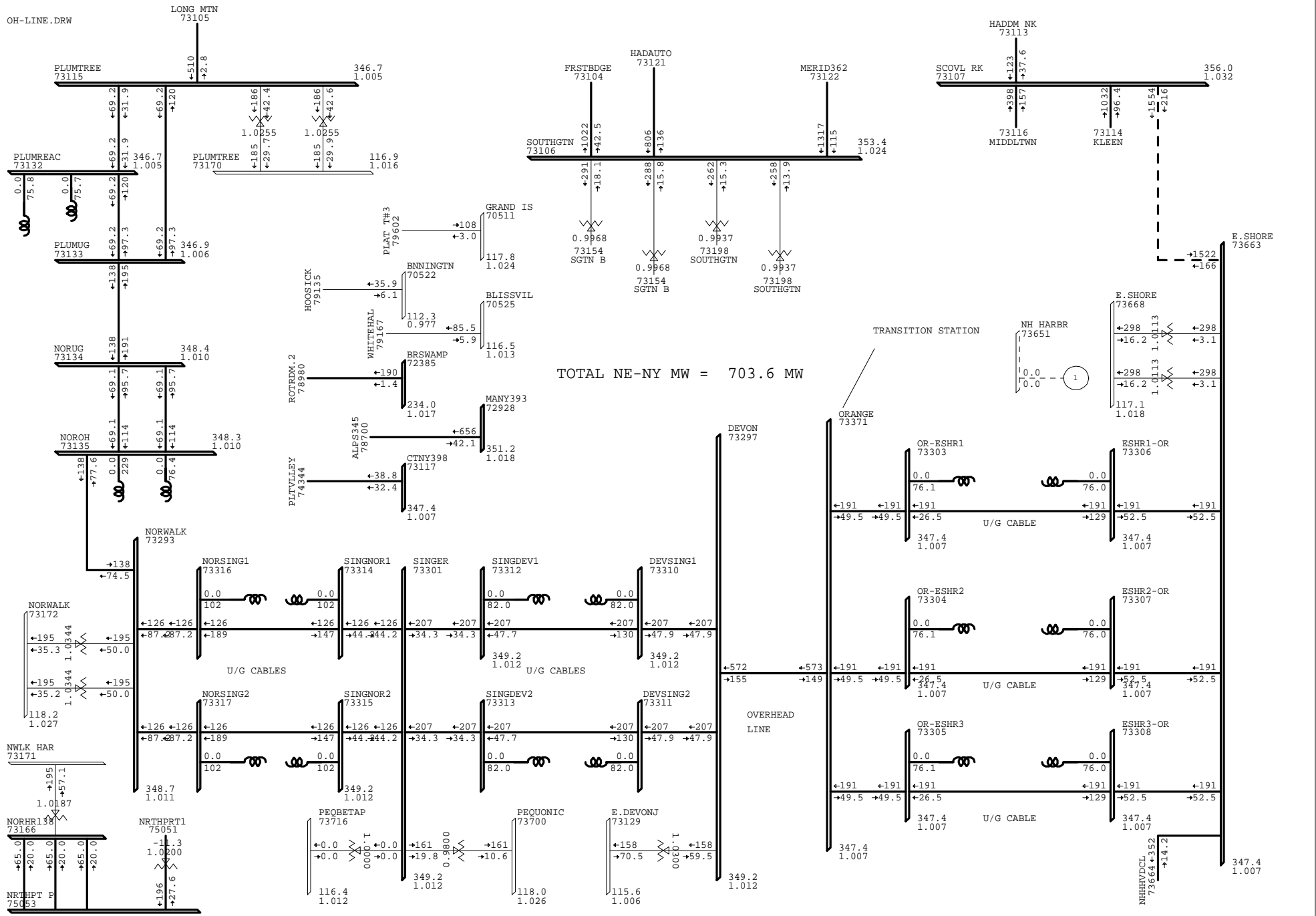
TOTAL NE-NY MW = 703.1 MW

TRANSITION STATION





TOTAL NE-NY MW = 706.1 MW



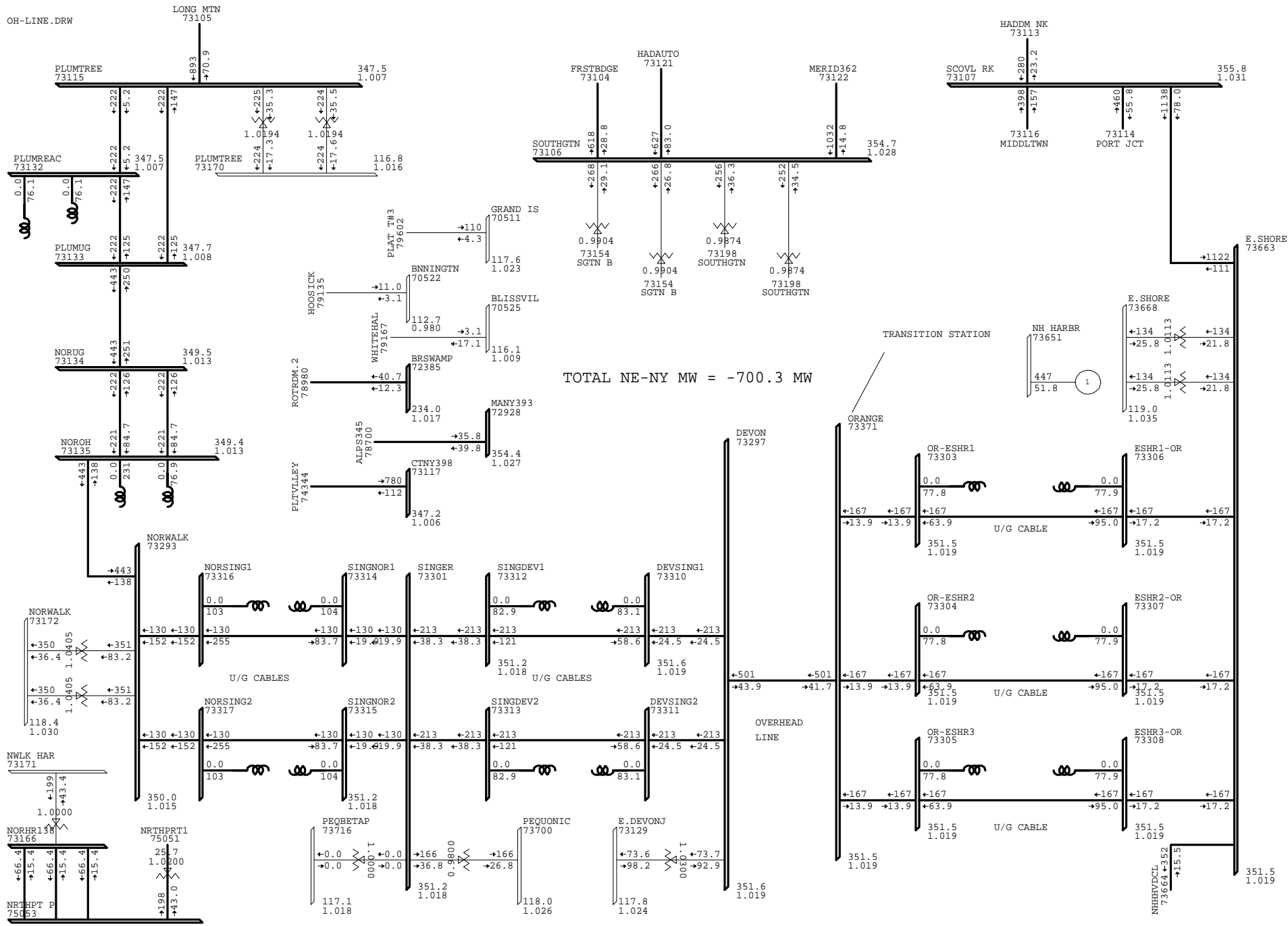
TOTAL NE-NY MW = 703.6 MW



EN277-17B, 27.7 GW, DISP 17, E.SHR-NRWK U/G+O/H, NE-NY 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

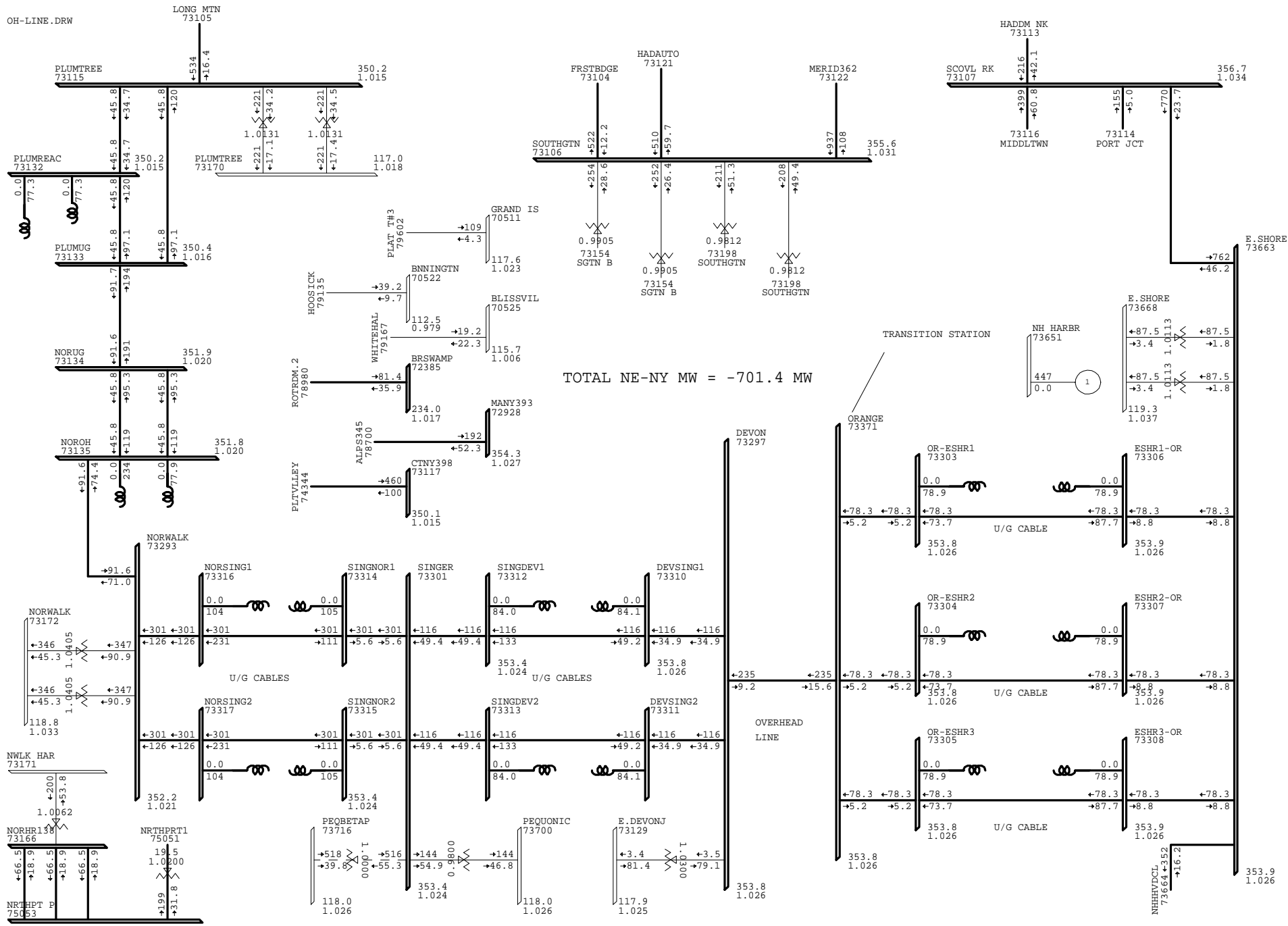
100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR



TOTAL NE-NY MW = -700.3 MW

	<p>EN277-18B, 27.7 GW, DISP 18, E.SHR-NRWK U/G+O/H, NY-NE 700 PH1-XP, PH2 HPFF DEV-SING-NOR &amp; ORG-ESHR, O/H ORANG-E.DEV                  BASE CASE FRI, JAN 16 2004 10:28</p>	<p>100% RATEA  <u>0.950 UV</u> <u>1.050 OV</u>                  KV: ≤115</p>	<p>BUS - VOLTAGE (KV/PU)                  BRANCH - MW/MVAR                  EQUIPMENT - MW/MVAR</p>
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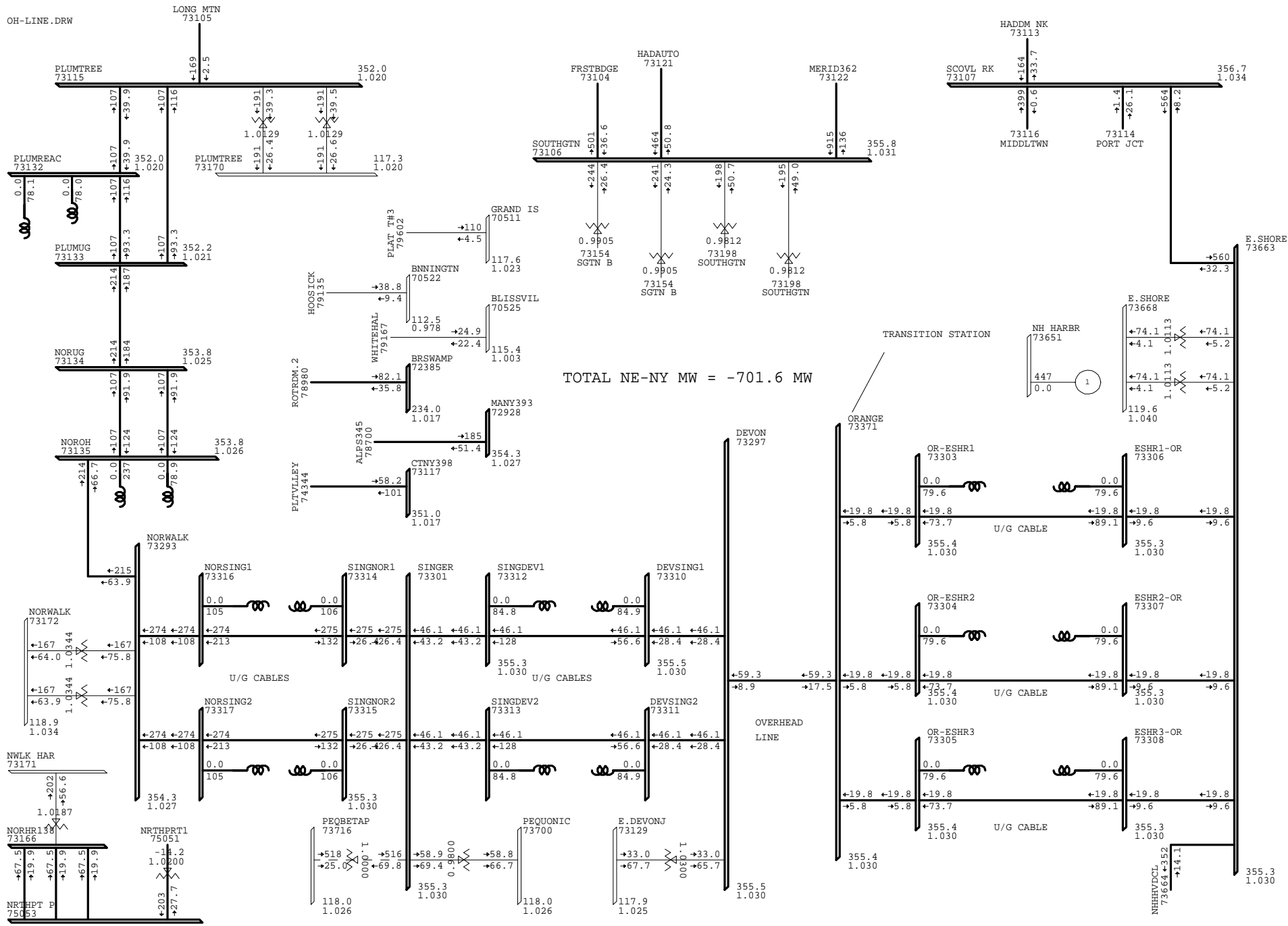
TOTAL NE-NY MW = -701.4 MW



EN277-19B, 27.7 GW, DISP 19, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESH1, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

100% RATEA  
0.950 UV 1.050 OV  
 KV: <=115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR



TOTAL NE-NY MW = -701.6 MW

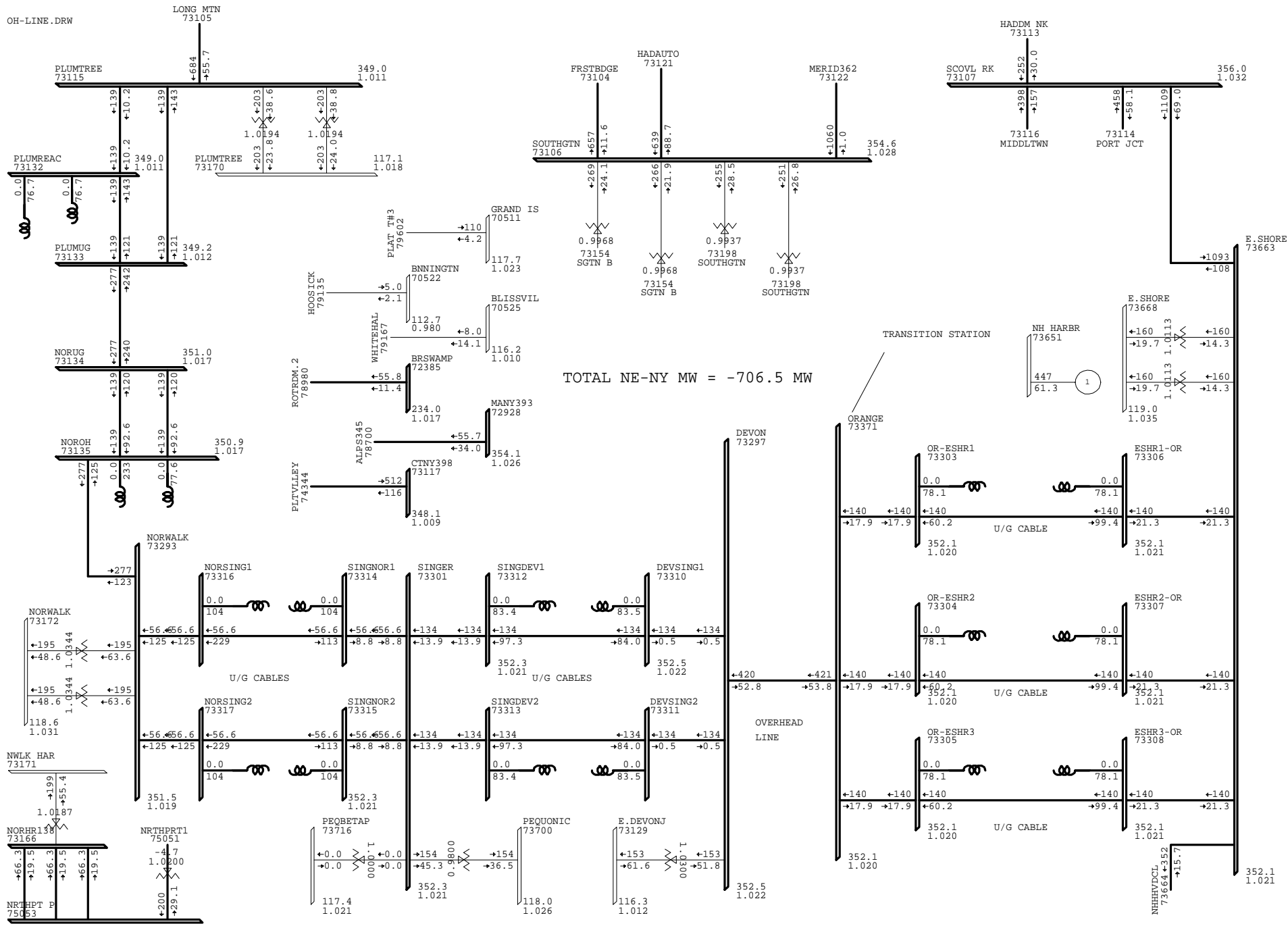
EN277-20B, 27.7 GW, DISP 20, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

100% RATEA  
0.950 UV 1.050 OV  
 KV: <=115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR







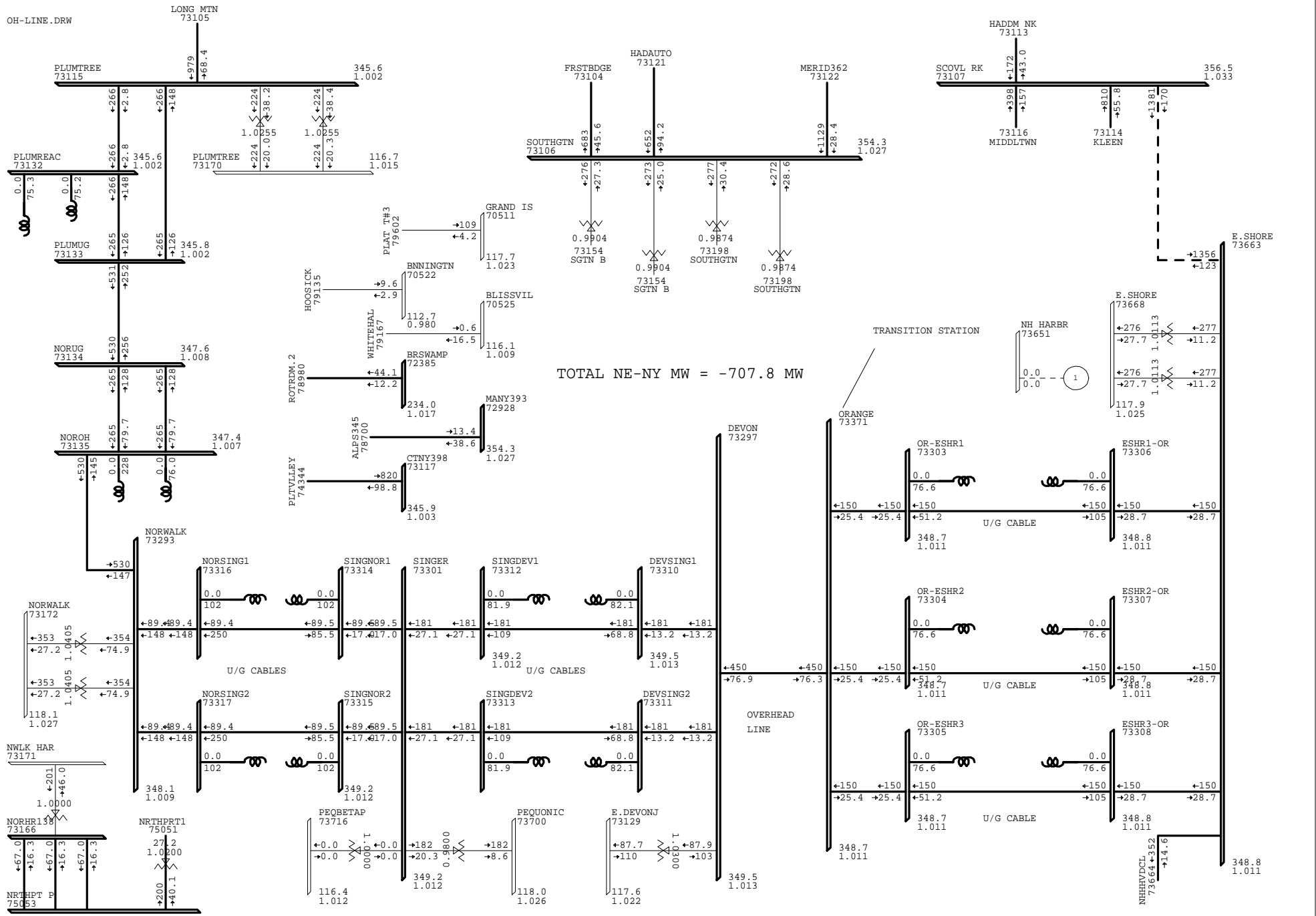
TOTAL NE-NY MW = -706.5 MW

EN277-21B, 27.7 GW, DISP 21, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR





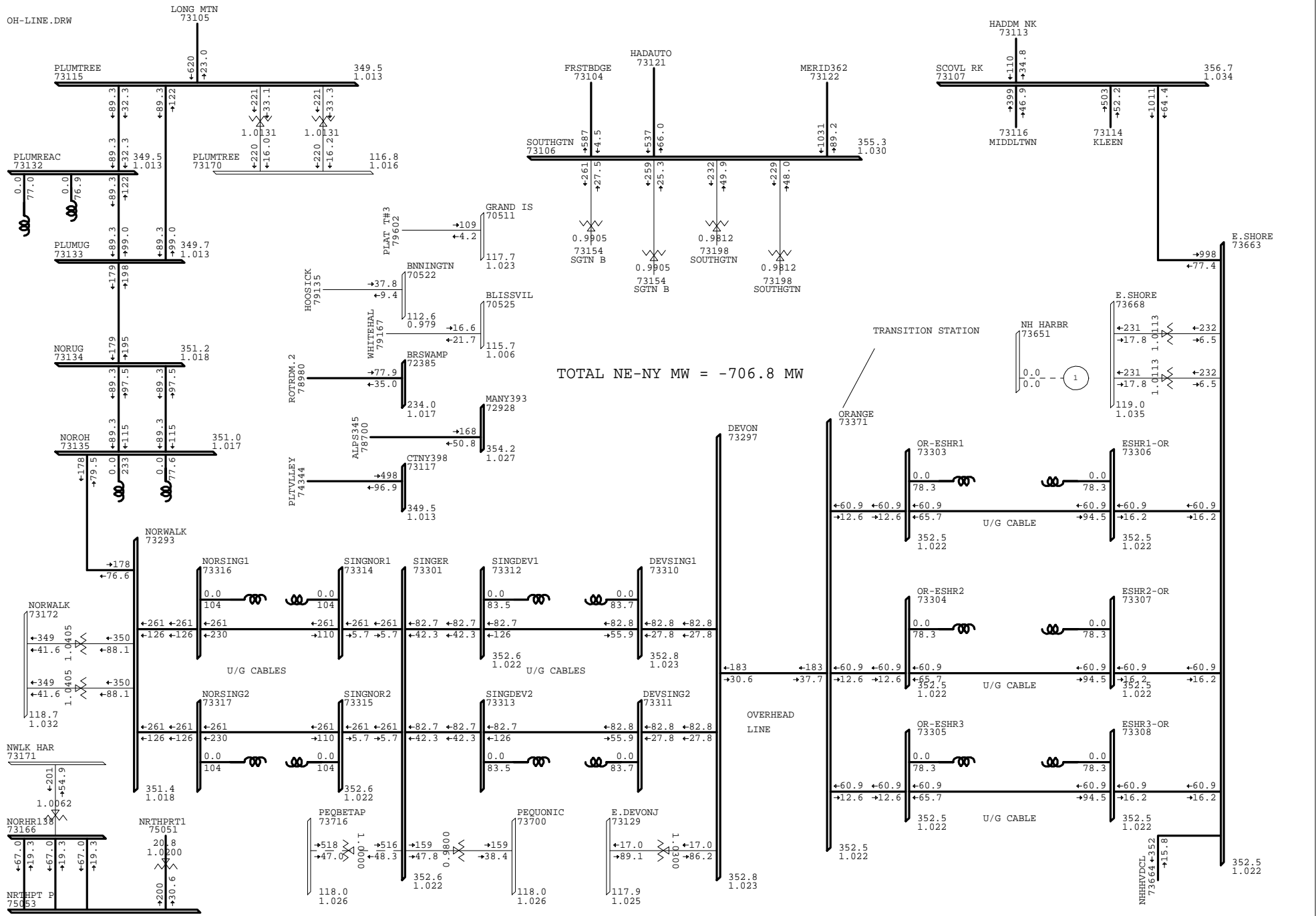
TOTAL NE-NY MW = -707.8 MW

EN277-22B, 27.7 GW, DISP 22, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR





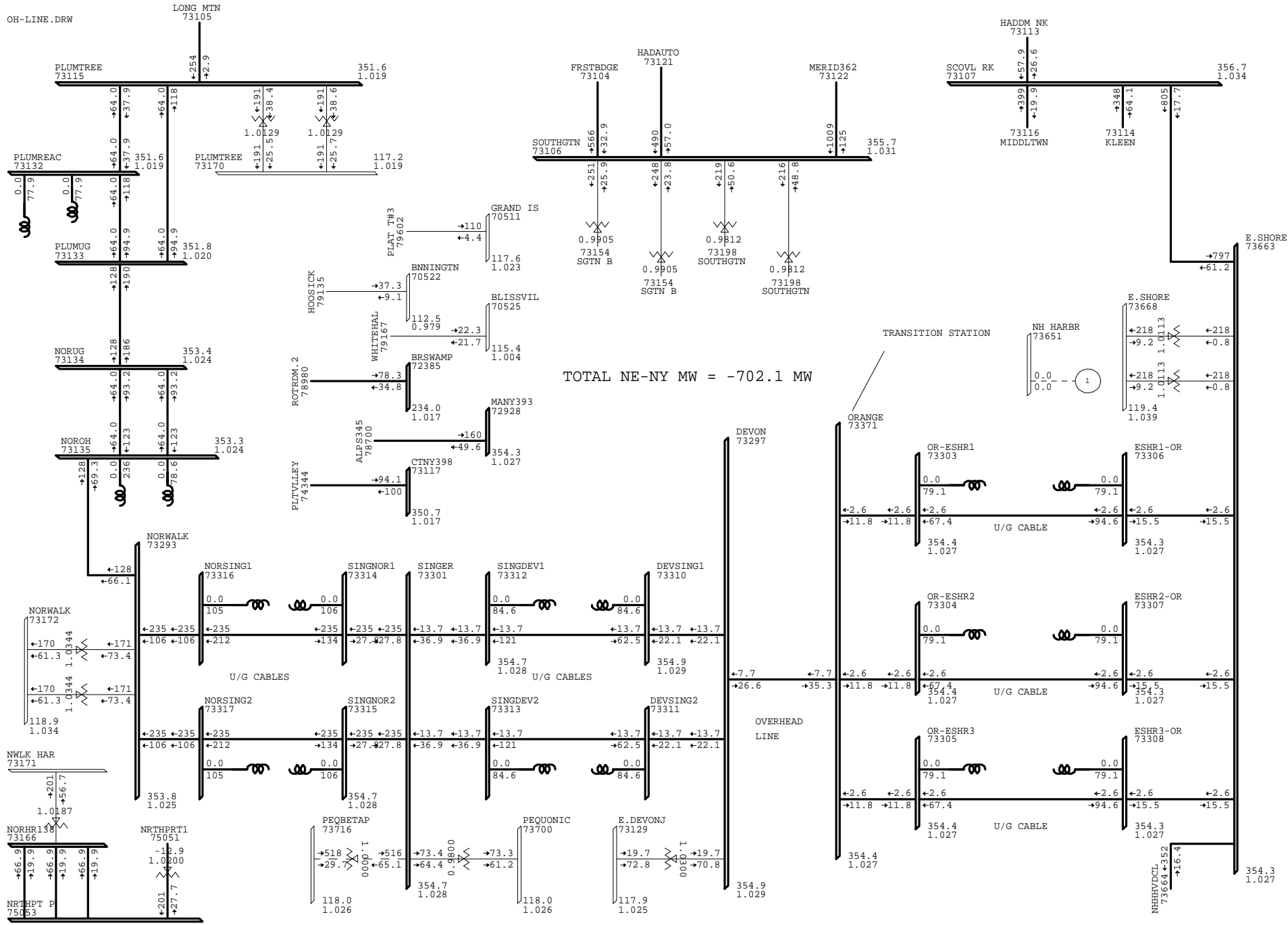
TOTAL NE-NY MW = -706.8 MW

EN277-23B, 27.7 GW, DISP 23, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

100% RATEA  
0.950 UV 1.050 OV  
 KV: <=115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR





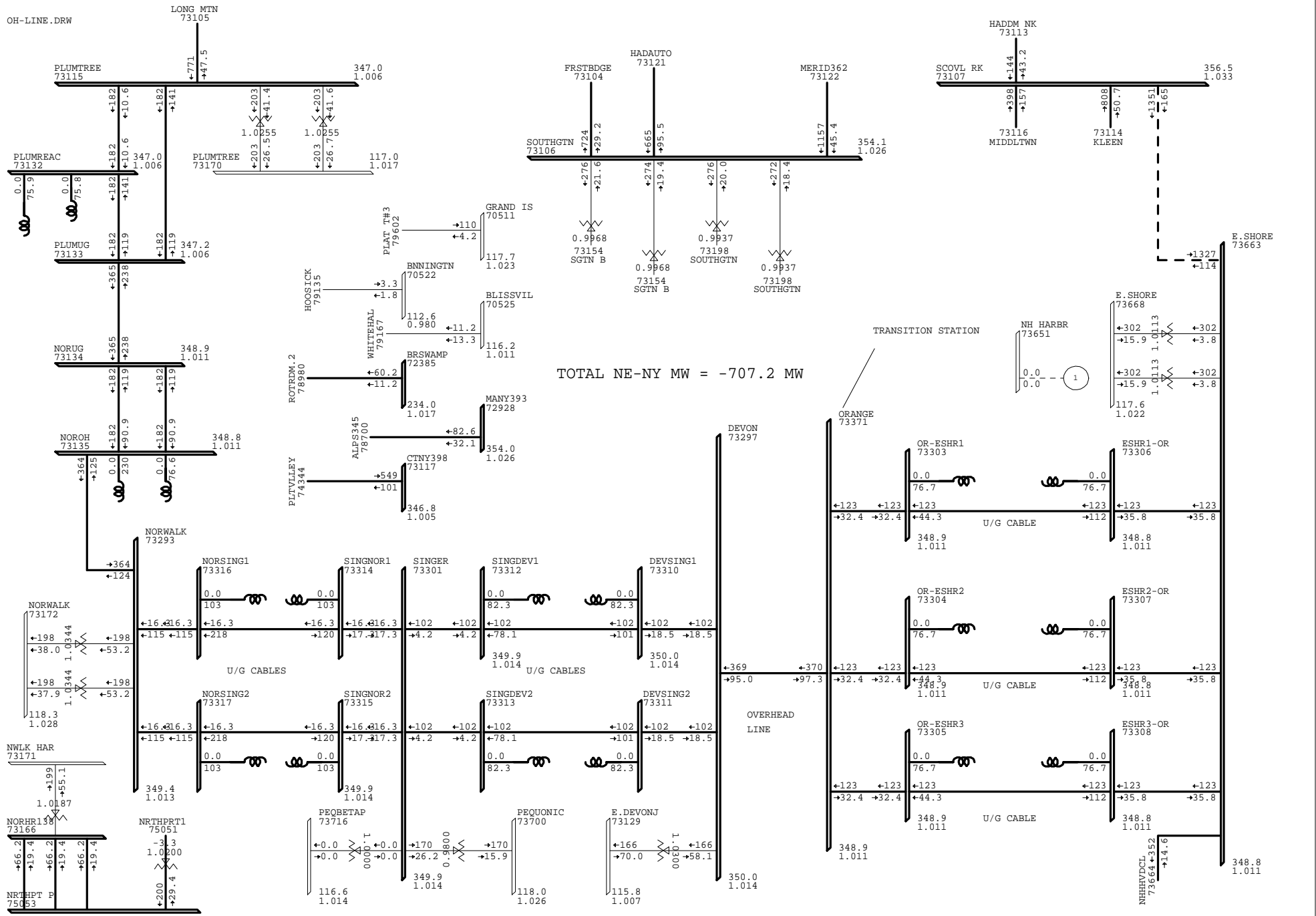
TOTAL NE-NY MW = -702.1 MW



EN277-24B, 27.7 GW, DISP 24, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

100% RATEA  
0.950 UV 1.050 OV  
 KV: ≤115

BUS - VOLTAGE (KV/PU)  
 BRANCH - MW/MVAR  
 EQUIPMENT - MW/MVAR



TOTAL NE-NY MW = -707.2 MW

EN277-25B, 27.7 GW, DISP 25, E.SHR-NRWK U/G+O/H, NY-NE 700  
 PH1-XP, PH2 HPFF DEV-SING-NOR & ORG-ESHR, O/H ORANG-E.DEV  
 BASE CASE FRI, JAN 16 2004 10:28

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

With NHHS On-Line

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

OPEN LINE FROM BUS 73187 TO BUS 73282 CKT 1  
OPEN LINE FROM BUS 73282 TO BUS 73194 CKT 1  
END

/Stevenson-SandyHook-Newtown

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 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  
disconnect bus 73121  
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 353LINE  
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1  
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1  
END

CONTINGENCY 353+AUTO  
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 354LINE  
OPEN LINE FROM BUS 72926 TO BUS 72925 CKT 1  
END

CONTINGENCY 362LINE  
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

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 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

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 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 1759-353DCT

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

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 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

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 310-368DCT

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

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



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

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 SCOVK4TSTK

OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1  
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1  
DISCONNECT BUS 73116  
DISCONNECT BUS 73557  
END

/CONTINGENCY SCOVK5TSTK \*\* 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

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 SCOVrk7TSTK  
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

/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  
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 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  
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 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  
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 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 orang-eshr /\* added for Phase 2  
disconnect bus 73303  
disconnect bus 73306  
end

contingency orang-dev /\* added for Phase 2  
disconnect bus 73371  
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

END



With NHHS Off-Line

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  
OPEN LINE FROM BUS 73336 TO BUS 73337 CKT 1  
END

/Fallsvillage-Salisbury

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 73246 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 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  
disconnect bus 73121  
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 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 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 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 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 354LINE  
OPEN LINE FROM BUS 72926 TO BUS 72925 CKT 1  
END

CONTINGENCY 362LINE  
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

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 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

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 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 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 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 1767-353DCT \* 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 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 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  
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 310-368DCT  
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  
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

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

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 STEVENSSTK

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 SCOVK4TSTK \* modified for Kleen Energy  
/OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1  
/OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1  
/DISCONNECT BUS 73116  
/DISCONNECT BUS 73557  
/END

CONTINGENCY SCOVK4TSTK / \* added for Kleen Energy  
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1  
DISCONNECT BUS 73116  
DISCONNECT BUS 73557  
END

/CONTINGENCY SCOVK5TSTK \*\* 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

CONTINGENCY SCOVK5TSTK /\* 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 SCOVK7TSTK \* 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

CONTINGENCY SCOVK7TSTK / \* 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

/CONTINGENCY SCOVK8TSTK  
/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 SCOVK8TSTK /\* revised for Phase 2  
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 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  
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 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  
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 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 orang-eshr /\* added for Phase 2  
disconnect bus 73303  
disconnect bus 73306  
end

contingency orang-dev /\* added for Phase 2  
disconnect bus 73371  
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

END

## **Appendix D**

### Generation Dispatches

- Existing 387 Line
- NE-NY ± 700 MW
- New Haven Harbor Station (NHHS) On/Off

**Key to Generation Dispatch IDs**

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

Notes:

1. For these dispatches only New England generation differences with dispatch 10B are shown.
2. For these dispatches only New England generation differences with dispatch 18B are shown.
3. 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 NHHS on-line cases for generation dispatch.
4. Generation changes from a NE-NY 0 MW to achieve ± 700 MW NE-NY are shown on the following pages.
5. The “B” suffix in the dispatch IDs indicates that the 387 line (East Shore to Scovill Road 345) is modeled with the existing 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	<u>+273.8 MW</u> *adjust as needed
	+700.0 MW

Take off Oswego 6 (77953)	-850.0 MW
Increase Roseton Gen1 (74190)	<u>+150.0 MW</u> *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)	<u>-290.0 MW</u>
	-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)	<u>+230.0 MW</u> *adjust as needed
	+700.0 MW

## Dispatches 10B – 13B

**New England Generation for Dispatch 10B (NE-NY 700 MW)**

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	1.0000	1.0137	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.0400	1.0400	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.0400	1.0400	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.0400	1.0400	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.0300	1.0257	
73538	AESTH PF	20	1	0	2	180	51.1	80	0	1.0350	1.0350	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1.0000	1.0211	
73072	ALT12 PF	13.8	2	0	2	65	21.7	26	0	1.0350	1.0350	72983
73073	ALT34 PF	13.8	2	0	2	80.5	21.7	33	0	1.0350	1.0350	72983
71095	ANPBLCK1	21	1	0	2	290	114.1	150	-100	1.0380	1.0380	70785
71096	ANPBLCK2	21	1	0	2	290	114.1	150	-100	1.0380	1.0380	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1.0000	1.0111	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.0300	1.0251	
73351	BATES DA	0.48	1	0	2	0	-3.1	8	-8	1.0300	1.0300	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.0140	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1.0000	1.0147	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1.0000	1.0159	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1.0000	1.0152	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1.0000	1.0178	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1.0000	1.0231	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1.0000	0.9989	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1.0000	1.0354	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1.0000	0.9979	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1.0000	0.9979	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1.0000	0.9979	71832
72986	BERKPWR	13.8	1	0	2	305	53.9	150	-40	1.0200	1.0200	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1.0000	1.0177	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1.0000	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	54.4	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	43.1	260	-160	1.0260	1.0260	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	1.0300	1.0211	

New England Generation for Dispatch 10B (NE-NY 700 MW)												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1.0000	1.0064	
72512	BRSWP G1	13.8	1	0	2	294	38.5	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	38.5	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	46.9	120	-100	1.0400	1.0400	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1.0000	0.9941	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1.0000	1.0350	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1.0000	1.0350	
71065	CABOTCMB	16	1	0	2	260	-26.4	127	-127	1.0430	1.0430	70760
71066	CABOTSTM	13.8	1	0	2	120	-26.4	60	-60	1.0430	1.0430	70760
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1.0000	1.0137	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.0400	1.0357	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.0400	1.0357	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.0090	0.9970	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.9650	0.9628	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1.0000	1.0184	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1.0000	0.9953	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1.0000	1.0618	
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.0300	0.9389	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1.0000	1.0162	
72665	COLFAX	13.8	2	0	2	63.8	-8.3	30	-19	1.0100	1.0100	
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	1.0000	1.0268	
73547	CRRRA PF	11.5	1	0	-2	32	0	34	0	1.0000	1.0398	
73548	CRRRA PF	11.5	1	0	-2	32	0	34	0	1.0000	1.0398	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1.0000	0.9762	
73074	CUMBR LND	13.8	1	0	-2	3	1	1	1	1.0430	1.0484	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1.0000	0.9930	
73765	DERBY PH	13.8	1	0	2	7	1.6	2	0	1.0300	1.0300	
73553	DEVON#7	13.8	1	0	2	106	29.5	47	-19	1.0260	1.0260	73195
73554	DEVON#8	13.8	1	0	2	106	29.5	47	-20	1.0260	1.0260	73195
73539	DEXTR PF	13.8	2	0	2	38	8.4	33	-13	1.0000	1.0000	

New England Generation for Dispatch 10B (NE-NY 700 MW)												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72957	DOREEN	115	1	0	-2	17	2	2	2	1.0000	1.0310	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.0250	1.0116	71279
72514	DRFLD 2G	2.4	3	0	2	1.6	1.9	3	-3	1.0000	1.0000	72435
72515	DRFLD 3G	2.4	3	0	2	1.6	1.4	3	-3	1.0000	1.0000	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1.0000	1.0234	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.0300	1.0119	
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	1.0300	1.0193	
70909	EDG GT1	16	1	0	2	276.2	15.3	256	-90	1.0170	1.0170	70901
70911	EDG ST1	18	1	0	2	305	15.3	200	-120	1.0170	1.0170	70901
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.0300	1.0241	
71394	EMI_GEN	22	1	0	2	185	13.4	80	0	1.0200	1.0200	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.0300	1.0008	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.0200	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1.0000	1.0106	
70693	ESX-STAT	3.2	1	0	2	0	13.7	75	-75	1.0100	1.0100	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1.0000	0.9902	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.0250	1.0283	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.9600	0.9697	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.0300	1.0105	
73536	FORST PF	13.8	1	0	2	13	2.7	4	0	1.0300	1.0300	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.6	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	2	42.6	-4.6	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-3	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.0300	1.0256	
70561	GLN.HY T	46	1	0	-2	1.2	-0.1	0.2	-0.1	0.9961	0.9979	
73168	GLNBROOK	115	1	0	2	0	-61.6	150	-150	1.0350	1.0350	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.0500	1.0284	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.0200	0.9859	
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	1.0000	1.0280	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.0300	1.0434	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1.0000	1.0027	
72518	HARR G1	6.9	1	0	2	14	3.3	6	0	1.0174	1.0174	72397

**New England Generation for Dispatch 10B (NE-NY 700 MW)**

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	1.0400	1.0400	70111
70358	HARRIS#3	13.8	1	0	2	28	4.1	14.5	0	1.0400	1.0400	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.0200	1.0366	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.0200	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	1.0000	1.0153	
71692	HUDSONDG	4.16	6	0	2	17	5.9	9.8	-9.8	1.0000	1.0000	
70548	HYDEVILLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9946	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1.0000	1.0423	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.0200	1.0176	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1.0000	1.0243	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1.0000	1.0120	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1.0000	1.0133	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1.0000	1.0052	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.0290	1.0408	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1.0000	0.9916	
71123	KENDALL	13.8	3	0	2	63	5.8	32.3	0	1.0250	1.0250	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.0300	1.0013	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.0250	1.0250	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.0300	1.0181	
73565	LAKERD#1	21	1	0	2	280	69.3	174	-90	1.0350	1.0350	73119
73566	LAKERD#2	21	1	0	2	280	69.3	174	-90	1.0350	1.0350	73119
73567	LAKERD#3	21	1	0	2	280	69.3	174	-90	1.0350	1.0350	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.0220	1.0146	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.0310	1.0310	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1.0000	1.0134	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.0200	1.0194	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.0200	1.0194	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.0250	1.0389	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1.0000	0.9905	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.0250	1.0319	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1.0000	1.0081	

New England Generation for Dispatch 10B (NE-NY 700 MW)												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.0250	1.0388	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1.0000	1.0344	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1.0000	1.0339	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1.0000	1.0134	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1.0000	1.0089	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.0350	1.0293	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.0350	1.0293	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.0350	1.0293	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.0350	1.0292	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1.0000	1.0073	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.0150	1.0050	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9947	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.0500	1.0431	
73588	MERIDEN1	21	1	0	2	195	73.1	130	-30	1.0300	1.0300	73122
73589	MERIDEN2	21	1	0	2	195	73.1	130	-30	1.0300	1.0300	73122
73590	MERIDEN3	21	1	0	2	196	73.1	130	-30	1.0300	1.0300	73122
72866	MERMK G1	14.4	1	0	2	112.5	26.1	53	-10	1.0350	1.0350	72734
72867	MERMK G2	24	1	0	2	320	74.3	150	-30	1.0350	1.0350	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1.0000	0.9766	
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.9990	0.9764	
73555	MIDDTN#2	13.8	1	0	2	117	38.5	54	-20	1.0260	1.0260	73241
73556	MIDDTN#3	22	1	0	2	233	38.5	87	-37	1.0260	1.0260	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.0340	1.0263	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.0200	1.0270	
73574	MILFD#1	13.8	1	0	-2	280	150	150	-40	1.0260	1.0248	73125
73562	MILL#2	24	1	0	2	860	154.3	420	0	1.0350	1.0350	73110
73563	MILL#3	24	1	0	2	1140	154.3	520	0	1.0350	1.0350	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	1.0000	0.9912	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.0350	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	1.0000	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.0440	1.0447	

**New England Generation for Dispatch 10B (NE-NY 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
73558	MONTV#5	13.8	1	0	2	81	22.7	27	0	1.0350	1.0350	73109
73559	MONTV#6	22	1	0	2	402	115.4	200	-60	1.0350	1.0350	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	1.0054	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.0200	0.9966	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.0200	0.9966	72250
71067	MYS8 GTS	16	2	0	2	554	149.3	512	-180	1.0430	1.0430	70759
71061	MYST 5G	18	1	0	2	128.6	97.5	108	-75	1.0350	1.0350	70818
71060	MYST G4	18	1	0	2	133.4	97.5	108	-75	1.0350	1.0350	70818
71062	MYST G6	18	1	0	2	135.9	97.5	104	-75	1.0350	1.0350	70818
71063	MYST G7	22	1	0	2	565	149.3	335	-150	1.0430	1.0430	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.0350	1.0340	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.0380	1.0366	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.0380	1.0366	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.0380	1.0366	70774
70010	NEW_G1	18	1	0	2	169	24.9	105	0	1.0350	1.0350	72692
70011	NEW_G2	18	1	0	2	169	24.9	105	0	1.0350	1.0350	72692
70012	NEW_G3	18	1	0	2	195	24.9	120	0	1.0350	1.0350	72692
73651	NH HARBR	22	1	0	2	447	82.3	175	0	1.0350	1.0350	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.0300	1.0165	73664
73083	NRTHFD12	13.8	2	0	-2	540	160	160	-80	1.0410	1.0397	72926
73084	NRTHFD34	13.8	2	0	-2	540	160	160	-80	1.0410	1.0397	72926
72868	NWNGT G1	24	1	0	2	422	24.9	180	-45	1.0350	1.0350	72692
71253	OBGEN	23	1	0	2	7.5	1	1.5	0	1.0000	1.0000	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1.0000	1.0216	
70694	OMYA	46	1	0	2	7.7	0.9	3	0	1.0000	1.0000	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.0090	1.0077	
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 10B (NE-NY 700 MW)												
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	1.0000	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.0300	0.9926	
71094	PLGRM G1	22.8	1	0	2	670	177.9	340	-100	1.0380	1.0380	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.0300	1.0230	
71719	POTTER	115	2	0	2	89	9.1	42	-10	1.0170	1.0170	
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	1.0430	1.0465	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1.0000	1.0290	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9902	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.0260	1.0218	71889
72063	RES-NAND	23	1	0	2	31.8	-4.6	15	-15	1.0100	1.0100	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.9740	1.0192	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.9740	1.0192	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1.0000	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	1.0350	1.0350	71891
71947	SALEM G2	14.4	1	0	2	78	9.7	29	-8	1.0350	1.0350	71891
71948	SALEM G3	14.4	1	0	2	143	19.4	50	-37	1.0350	1.0350	71891
71949	SALEM G4	22	1	0	2	400	58.2	275	-160	1.0350	1.0350	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.9890	0.9847	
73352	SANDH DB	0.48	1	0	2	0	2.8	8	-8	1.0430	1.0430	73375
73353	SANDH DC	0.48	1	0	2	0	2.8	8	-8	1.0430	1.0430	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.0130	0.9904	
72869	SBRK G1	25	1	0	2	1150	274.6	550	-90	1.0350	1.0350	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.0350	1.0150	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.0350	1.0150	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.0350	1.0150	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1.0000	1.0090	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1.0000	0.9921	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1.0000	1.0122	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1.0000	1.0132	
70372	SEA STRN	13.8	1	0	2	48	-1	25	-22	1.0300	1.0300	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1.0000	1.0186	72413
71189	SEM2PF	13.8	1	0	2	22.5	2.8	10	-2	1.0285	1.0285	

New England Generation for Dispatch 10B (NE-NY 700 MW)												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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	1.0000	1.0079	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1.0000	1.0192	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1.0000	1.0174	72401
71681	SHRWS DG	13.8	1	0	2	10	5.6	6.9	-6.9	1.0000	1.0000	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1.0000	0.9978	
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1.0000	1.0018	
73546	SMEAD PF	23	2	0	2	13	2.9	4	0	1.0300	1.0300	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.0300	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	1.0000	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.0350	1.0488	
72933	STNYBK 1	13.8	1	0	2	87	13.1	30	-8	1.0430	1.0430	
72930	STNYBK1A	13.8	1	0	2	65	11.9	30	-8	1.0430	1.0430	
72931	STNYBK1B	13.8	1	0	2	65	11.9	30	-8	1.0430	1.0430	
72932	STNYBK1C	13.8	1	0	2	65	11.9	30	-8	1.0430	1.0430	
72934	STNYBK2A	13.8	1	0	2	65	11.9	30	-8	1.0430	1.0430	
72935	STNYBK2B	13.8	1	0	2	65	11.9	30	-8	1.0430	1.0430	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1.0000	1.0089	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.9730	0.9833	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.0300	0.9950	
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	1.0300	1.0009	
72669	TIVER G1	18	1	0	2	189	30.5	125	-60	1.0200	1.0200	72590
72670	TIVER G2	13.8	1	0	2	92	15.9	48	-40	1.0200	1.0200	72590
70222	TOPSHAM	34.5	1	0	2	3.3	-0.1	2.5	-2.5	1.0400	1.0400	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.0400	1.0399	
73617	TUNNEL	69	1	0	-2	17	0	3	0	1.0000	1.0037	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1.0000	1.0202	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1.0000	1.0058	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1.0000	1.0175	
72521	VERNON G	2.4	4	0	2	8	3.1	6	-6	1.0000	1.0000	72420
72525	VERNON22	2.4	2	0	2	5	1.5	3	-3	1.0000	1.0000	72420

New England Generation for Dispatch 10B (NE-NY 700 MW)												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72522	VERNONT1	13.8	1	0	2	4	1.3	2.5	-2.5	1.0000	1.0000	72420
72523	VERNONT2	13.8	1	0	2	4	1.3	2.5	-2.5	1.0000	1.0000	72420
70705	VTYAK G	22	1	0	2	563	97.7	150	-100	1.0430	1.0430	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.0250	1.0251	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.0170	1.0220	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1.0000	1.0411	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1.0000	1.0443	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1.0000	1.0024	
70386	WBK G1	18	1	0	2	184	28.6	46.6	-50	1.0400	1.0400	
70387	WBK G2	18	1	0	2	184	28.6	46.6	-50	1.0400	1.0400	
70388	WBK G3	18	1	0	2	195	30.7	50	-50	1.0400	1.0400	
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	1.0500	1.0500	70128
70366	WF WY #2	13.8	1	0	2	57	5.5	14	-14	1.0500	1.0500	70128
70367	WF WY #3	14.4	1	0	2	125	11	55	-44	1.0500	1.0500	70128
70368	WF WY #4	22	1	0	2	105	17.3	242	-209	1.0500	1.0500	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.0300	1.0177	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1.0000	0.9884	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1.0000	1.0093	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1.0000	0.9970	71834
70363	WILLM #1	6.9	1	0	2	4	1	1.9	1	1.0300	1.0300	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.0300	1.0326	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.0300	1.0399	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.0250	1.0008	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1.0000	1.0277	
73459	WNSRLK	27.6	1	0	-2	8	2	2	2	1.0000	1.0329	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1.0000	1.0172	
73080	WSPFLD 3	13.8	1	0	2	107	19.6	52	-37	1.0220	1.0220	72961
70361	WYMAN #2	13.8	1	0	-2	21	0	11.6	0	1.0200	1.0234	70113
70362	WYMAN #3	13.8	1	0	-2	20	0	11.6	0	1.0200	1.0234	70113

NE Generation Changes from Dispatch 10B to Dispatch 11B										
Number	Name	BasVlt	Dispatch 10B		Dispatch 11B		Change			
			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
70911	EDG ST1	18	305	15.3	290.8	15.8	-14.2	4.7	0.5	3
71095	ANPBLCK1	21	290	114.1	0	0	-290	100	-114.1	100
72513	BRSWP G2	13.8	294	38.5	0	0	-294	100	-38.5	100
73575	MILFD#2	13.8	0	0	280	87	280	999.9	87	999.9
73594	WALL LV1	13.8	0	0	102	12.4	102	999.9	12.4	999.9
73595	WALL LV2	13.8	0	0	102	12.4	102	999.9	12.4	999.9
73596	WALL LV3	13.8	0	0	51	9.2	51	999.9	9.2	999.9
73652	BE 11	16	0	0	170	43.7	170	999.9	43.7	999.9
73653	BE 12	16	0	0	170	43.7	170	999.9	43.7	999.9
73654	BE 10 ST	16	0	0	180	43.7	180	999.9	43.7	999.9

NE Generation Changes from Dispatch 10B to Dispatch 12B										
Number	Name	BasVlt	Dispatch 10B		Dispatch 12B		Change			
			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	26.9	-28.2	26.9	9.5	55.1
70911	EDG ST1	18	305	15.3	282	16.6	-23	7.5	1.3	8.2
71095	ANPBLCK1	21	290	114.1	0	0	-290	100	-114.1	100
72513	BRSWP G2	13.8	294	38.5	0	0	-294	100	-38.5	100
72867	MERMK G2	24	320	74.3	0	0	-320	100	-74.3	100
73551	NORHAR#1	18	0	0	161	-29.5	161	999.9	-29.5	999.9
73552	NORHAR#2	20	0	0	168	-29.5	168	999.9	-29.5	999.9
73575	MILFD#2	13.8	0	0	280	82.4	280	999.9	82.4	999.9
73594	WALL LV1	13.8	0	0	102	11.7	102	999.9	11.7	999.9
73595	WALL LV2	13.8	0	0	102	11.7	102	999.9	11.7	999.9
73596	WALL LV3	13.8	0	0	51	8.4	51	999.9	8.4	999.9
73652	BE 11	16	0	0	170	39.2	170	999.9	39.2	999.9
73653	BE 12	16	0	0	170	39.2	170	999.9	39.2	999.9
73654	BE 10 ST	16	0	0	180	39.2	180	999.9	39.2	999.9

<b>NE Generation Changes from Dispatch 10B to Dispatch 13B</b>										
<b>Number</b>	<b>Name</b>	<b>BasVlt</b>	<b>Dispatch 10B</b>		<b>Dispatch 13B</b>		<b>Change</b>			
			<b>MW</b>	<b>MVAR</b>	<b>MW</b>	<b>MVAR</b>	<b>MW</b>	<b>%</b>	<b>MVAR</b>	<b>%</b>
70368	WF WY #4	22	105	17.3	258	26.7	152.9	145.6	9.4	54.1
73551	NORHAR#1	18	0	0	161	-21.7	161	999.9	-21.7	999.9
73552	NORHAR#2	20	0	0	168	-21.7	168	999.9	-21.7	999.9
73553	DEVON#7	13.8	106	29.5	0	0	-106	100	-29.5	100
73554	DEVON#8	13.8	106	29.5	0	0	-106	100	-29.5	100
73574	MILFD#1	13.8	280	150	0	0	-280	100	-150	100

## Dispatches 18B – 21B

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

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	1.0000	1.0125	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.0400	1.0400	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.0400	1.0400	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.0400	1.0400	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.0300	1.0256	
73538	AESTH PF	20	1	0	2	180	33.3	80	0	1.0350	1.0350	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1.0000	1.0215	
73072	ALT12 PF	13.8	2	0	2	65	17.8	26	0	1.0350	1.0350	72983
73073	ALT34 PF	13.8	2	0	2	80.5	17.8	33	0	1.0350	1.0350	72983
71095	ANPBLCK1	21	1	0	-2	290	150	150	-100	1.0380	1.0346	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1.0000	1.0099	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.0300	1.0267	
73351	BATES DA	0.48	1	0	2	0	-2.9	8	-8	1.0300	1.0300	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.0140	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1.0000	1.0152	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1.0000	1.0164	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1.0000	1.0156	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1.0000	1.0183	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1.0000	1.0236	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1.0000	1.0004	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1.0000	1.0352	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1.0000	0.9932	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1.0000	0.9932	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1.0000	0.9932	71832
72986	BERKPWR	13.8	1	0	2	305	32.9	150	-40	1.0200	1.0200	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1.0000	1.0186	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1.0000	1.0432	
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	73.2	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	38.7	260	-160	1.0260	1.0260	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0141	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.0300	1.0227	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1.0000	1.0077	



**New England Generation for Dispatch 18B (NY-NE 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72512	BRSWP G1	13.8	1	0	2	294	58.1	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	58.1	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	71.5	120	-100	1.0400	1.0400	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1.0000	0.9949	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1.0000	1.0304	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1.0000	1.0305	
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1.0000	1.0164	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.0400	1.0346	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.0400	1.0346	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.0090	1.0024	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.9650	0.9576	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1.0000	0.9980	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1.0000	0.9760	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1.0000	1.0455	
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.0300	0.8814	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1.0000	1.0171	
72665	COLFAX	13.8	2	0	2	63.8	-8.4	30	-19	1.0100	1.0100	
71857	COMRF G1	13.8	1	0	2	37.4	-5.4	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-5.4	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-5.4	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-5.4	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1.0000	1.0263	
73547	CRRRA PF	11.5	1	0	-2	32	0	34	0	1.0000	1.0455	
73548	CRRRA PF	11.5	1	0	-2	32	0	34	0	1.0000	1.0455	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1.0000	0.9762	
73074	CUMBRND	13.8	1	0	-2	3	1	1	1	1.0430	1.0440	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1.0000	0.9933	
73765	DERBY PH	13.8	1	0	2	7	1.4	2	0	1.0300	1.0300	
73553	DEVON#7	13.8	1	0	2	106	25.2	47	-19	1.0260	1.0260	73195
73554	DEVON#8	13.8	1	0	2	106	25.2	47	-20	1.0260	1.0260	73195
73539	DEXTR PF	13.8	2	0	2	38	6.6	33	-13	1.0000	1.0000	
72957	DOREEN	115	1	0	-2	17	2	2	2	1.0000	1.0313	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.0250	1.0109	71279
72514	DRFLD 2G	2.4	3	0	-2	1.6	3	3	-3	1.0000	0.9994	72435

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72515	DRFLD 3G	2.4	3	0	2	1.6	2.9	3	-3	1.0000	1.0000	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1.0000	1.0220	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.0300	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	1.0300	1.0196	
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.0300	0.9860	
71394	EMI_GEN	22	1	0	2	185	17.1	80	0	1.0200	1.0200	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.0300	1.0010	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.0200	1.0107	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1.0000	1.0107	
70693	ESX-STAT	3.2	1	0	2	0	16	75	-75	1.0100	1.0100	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1.0000	0.9858	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.0250	1.0285	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.9600	0.9731	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.0300	1.0125	
73536	FORST PF	13.8	1	0	2	13	1.4	4	0	1.0300	1.0300	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.8	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	2	42.6	-4.9	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	1.0300	1.0259	
70561	GLN.HY T	46	1	0	-2	1.2	0.2	0.2	-0.1	0.9961	0.9952	
73168	GLNBROOK	115	1	0	2	0	-52.9	150	-150	1.0350	1.0350	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.0500	1.0237	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.0200	0.9860	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.0260	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1.0000	1.0204	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.0300	1.0424	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1.0000	1.0040	
72518	HARR G1	6.9	1	0	-2	14	6	6	0	1.0174	1.0165	72397
72510	HARR G2	6.9	1	0	-2	14	6	6	0	1.0174	1.0165	72397
72511	HARR G3	6.9	1	0	-2	14	6	6	0	1.0174	1.0165	72397
70356	HARRIS#1	13.8	1	0	2	16	2.6	7.2	0	1.0400	1.0400	70111
70358	HARRIS#3	13.8	1	0	2	28	5.3	14.5	0	1.0400	1.0400	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.0200	1.0357	

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

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	1.0200	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	1.0000	1.0169	
71692	HUDSONDG	4.16	6	0	2	17	6.4	9.8	-9.8	1.0000	1.0000	
70548	HYDEVILLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9959	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1.0000	1.0387	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.0200	1.0128	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1.0000	1.0243	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1.0000	1.0121	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1.0000	1.0134	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1.0000	1.0053	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.0290	1.0363	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1.0000	0.9916	
71123	KENDALL	13.8	3	0	2	63	5.9	32.3	0	1.0250	1.0250	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.0300	0.9937	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.0250	1.0250	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.0300	1.0183	
73565	LAKERD#1	21	1	0	2	280	46.1	174	-90	1.0350	1.0350	73119
73566	LAKERD#2	21	1	0	2	280	46.1	174	-90	1.0350	1.0350	73119
73567	LAKERD#3	21	1	0	2	280	46.1	174	-90	1.0350	1.0350	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.0220	1.0122	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.0310	1.0310	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1.0000	1.0133	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.0200	1.0193	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.0200	1.0193	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.0250	1.0382	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1.0000	0.9863	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.0250	1.0329	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1.0000	1.0094	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.0250	1.0382	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1.0000	1.0333	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1.0000	1.0328	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1.0000	1.0123	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1.0000	1.0077	

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.0350	1.0296	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.0350	1.0296	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.0350	1.0296	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.0350	1.0313	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1.0000	1.0080	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.0150	1.0050	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9922	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.0500	1.0440	
73588	MERIDEN1	21	1	0	2	195	33.9	130	-30	1.0300	1.0300	73122
73589	MERIDEN2	21	1	0	2	195	33.9	130	-30	1.0300	1.0300	73122
73590	MERIDEN3	21	1	0	2	196	33.9	130	-30	1.0300	1.0300	73122
72866	MERMK G1	14.4	1	0	2	112.5	25.1	53	-10	1.0350	1.0350	72734
72867	MERMK G2	24	1	0	2	320	71.4	150	-30	1.0350	1.0350	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1.0000	0.9766	
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.9990	0.9729	
73555	MIDDTN#2	13.8	1	0	2	117	33.7	54	-20	1.0260	1.0260	73241
73556	MIDDTN#3	22	1	0	2	233	33.7	87	-37	1.0260	1.0260	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.0340	1.0313	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.0200	1.0278	
73574	MILFD#1	13.8	1	0	-2	280	150	150	-40	1.0260	1.0250	73125
73562	MILL#2	24	1	0	2	860	100.4	420	0	1.0350	1.0350	73110
73563	MILL#3	24	1	0	2	1140	100.4	520	0	1.0350	1.0350	73110
72243	MILLENCT	16	1	0	2	273	48	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	21.6	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1.0000	0.9914	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.0350	1.0264	
72865	MK CT	13.2	2	0	-2	30	0	0	0	1.0000	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.0440	1.0397	
73558	MONTV#5	13.8	1	0	2	81	14.8	27	0	1.0350	1.0350	73109
73559	MONTV#6	22	1	0	2	402	75.3	200	-60	1.0350	1.0350	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

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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	1.0200	0.9953	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.0200	0.9953	72250
71067	MYS8 GTS	16	2	0	2	554	135.8	512	-180	1.0430	1.0430	70759
71061	MYST 5G	18	1	0	2	128.6	99	108	-75	1.0350	1.0350	70818
71060	MYST G4	18	1	0	2	133.4	99	108	-75	1.0350	1.0350	70818
71062	MYST G6	18	1	0	2	135.9	99	104	-75	1.0350	1.0350	70818
71063	MYST G7	22	1	0	2	565	135.8	335	-150	1.0430	1.0430	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.0350	1.0338	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.0380	1.0336	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.0380	1.0336	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.0380	1.0336	70774
70010	NEW_G1	18	1	0	2	169	23.5	105	0	1.0350	1.0350	72692
70011	NEW_G2	18	1	0	2	169	23.5	105	0	1.0350	1.0350	72692
70012	NEW_G3	18	1	0	2	195	23.5	120	0	1.0350	1.0350	72692
73651	NH HARBR	22	1	0	2	447	51.8	175	0	1.0350	1.0350	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.0300	1.0190	73664
73083	NRTHFD12	13.8	2	0	2	540	145.3	160	-80	1.0410	1.0410	72926
73084	NRTHFD34	13.8	2	0	2	540	145.3	160	-80	1.0410	1.0410	72926
72868	NWNGT G1	24	1	0	2	422	23.5	180	-45	1.0350	1.0350	72692
71253	OBGEN	23	1	0	2	7.5	1.1	1.5	0	1.0000	1.0000	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1.0000	1.0216	
70694	OMYA	46	1	0	2	7.7	2.2	3	0	1.0000	1.0000	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.0090	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	1.0000	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.0300	0.9928	
71094	PLGRM G1	22.8	1	0	2	670	228	340	-100	1.0380	1.0380	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.0300	1.0232	
71719	POTTER	115	2	0	-2	89	42	42	-10	1.0170	1.0128	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9979	

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

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	1.0430	1.0481	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1.0000	1.0289	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9872	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.0260	1.0217	71889
72063	RES-NAND	23	1	0	2	31.8	-4.5	15	-15	1.0100	1.0100	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.9740	1.0201	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.9740	1.0201	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1.0000	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	1.0350	1.0350	71891
71947	SALEM G2	14.4	1	0	2	78	9.8	29	-8	1.0350	1.0350	71891
71948	SALEM G3	14.4	1	0	2	143	19.7	50	-37	1.0350	1.0350	71891
71949	SALEM G4	22	1	0	2	400	59	275	-160	1.0350	1.0350	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.9890	0.9809	
73352	SANDH DB	0.48	1	0	2	0	2.9	8	-8	1.0430	1.0430	73375
73353	SANDH DC	0.48	1	0	2	0	2.9	8	-8	1.0430	1.0430	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.0130	0.9916	
72869	SBRK G1	25	1	0	2	1150	278.8	550	-90	1.0350	1.0350	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.0350	1.0161	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.0350	1.0161	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.0350	1.0161	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1.0000	1.0053	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1.0000	0.9920	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1.0000	1.0121	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1.0000	1.0131	
70372	SEA STRN	13.8	1	0	2	48	0.5	25	-22	1.0300	1.0300	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1.0000	1.0165	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	1.0000	1.0092	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1.0000	1.0188	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1.0000	1.0162	72401
71681	SHRWS DG	13.8	1	0	-2	10	6.9	6.9	-6.9	1.0000	0.9965	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1.0000	0.9936	

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1.0000	1.0018	
73546	SMEAD PF	23	2	0	-2	13	0	4	0	1.0300	1.0338	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.0300	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	1.0000	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.0350	1.0490	
72933	STNYBK 1	13.8	1	0	2	87	11.6	30	-8	1.0430	1.0430	
72930	STNYBK1A	13.8	1	0	2	65	10.6	30	-8	1.0430	1.0430	
72931	STNYBK1B	13.8	1	0	2	65	10.6	30	-8	1.0430	1.0430	
72932	STNYBK1C	13.8	1	0	2	65	10.6	30	-8	1.0430	1.0430	
72934	STNYBK2A	13.8	1	0	2	65	10.6	30	-8	1.0430	1.0430	
72935	STNYBK2B	13.8	1	0	2	65	10.6	30	-8	1.0430	1.0430	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1.0000	1.0092	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.9730	0.9802	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.0300	0.9962	
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
72842	TILT N PH	34.5	1	0	-2	0.9	0	0	0	1.0300	1.0029	
72669	TIVER G1	18	1	0	2	189	31.3	125	-60	1.0200	1.0200	72590
72670	TIVER G2	13.8	1	0	2	92	16.4	48	-40	1.0200	1.0200	72590
70222	TOPSHAM	34.5	1	0	2	3.3	0	2.5	-2.5	1.0400	1.0400	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.0400	1.0399	
73617	TUNNEL	69	1	0	2	17	2.3	3	0	1.0000	1.0000	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1.0000	1.0215	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1.0000	1.0071	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1.0000	1.0148	
72521	VERNON G	2.4	4	0	2	8	3.8	6	-6	1.0000	1.0000	72420
72525	VERNON22	2.4	2	0	2	5	1.9	3	-3	1.0000	1.0000	72420
72522	VERNONT1	13.8	1	0	2	4	1.6	2.5	-2.5	1.0000	1.0000	72420
72523	VERNONT2	13.8	1	0	2	4	1.6	2.5	-2.5	1.0000	1.0000	72420
70705	VTYAK G	22	1	0	2	563	75.3	150	-100	1.0430	1.0430	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.0250	1.0261	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.0170	1.0220	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1.0000	1.0385	

**New England Generation for Dispatch 18B (NY-NE 700 MW)**

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1.0000	1.0416	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1.0000	1.0024	
70386	WBK G1	18	1	0	2	184	28.3	46.6	-50	1.0400	1.0400	
70387	WBK G2	18	1	0	2	184	28.3	46.6	-50	1.0400	1.0400	
70388	WBK G3	18	1	0	2	195	30.4	50	-50	1.0400	1.0400	
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	1.0500	1.0500	70128
70366	WF WY #2	13.8	1	0	2	57	5.4	14	-14	1.0500	1.0500	70128
70367	WF WY #3	14.4	1	0	2	125	10.9	55	-44	1.0500	1.0500	70128
70368	WF WY #4	22	1	0	2	92	20.2	242	-209	1.0500	1.0500	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.0300	1.0179	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1.0000	0.9826	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1.0000	1.0046	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1.0000	0.9948	71834
70363	WILLM #1	6.9	1	0	2	4	1.2	1.9	1	1.0300	1.0300	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.0300	1.0307	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.0300	1.0363	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.0250	1.0020	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1.0000	1.0291	
73459	WNDSRLK	27.6	1	0	-2	8	2	2	2	1.0000	1.0381	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1.0000	1.0165	
73080	WSPFLD 3	13.8	1	0	2	107	12.8	52	-37	1.0220	1.0220	72961



NE Generation Changes from Dispatch 18B to Dispatch 19B										
Number	Name	BasVlt	Dispatch 18B		Dispatch 19B		Change			
			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	30.6
71095	ANPBLCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	58.1	0	0	-294	100	-58.1	100
73575	MILFD#2	13.8	0	0	280	84.6	280	999.9	84.6	999.9
73594	WALL LV1	13.8	0	0	102	11.6	102	999.9	11.6	999.9
73595	WALL LV2	13.8	0	0	102	11.6	102	999.9	11.6	999.9
73596	WALL LV3	13.8	0	0	51	8.3	51	999.9	8.3	999.9
73652	BE 11	16	0	0	170	42.7	170	999.9	42.7	999.9
73653	BE 12	16	0	0	170	42.7	170	999.9	42.7	999.9
73654	BE 10 ST	16	0	0	180	42.7	180	999.9	42.7	999.9

NE Generation Changes from Dispatch 18B to Dispatch 20B										
Number	Name	BasVlt	Dispatch 18B		Dispatch 20B		Change			
			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	ANPBLOCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	58.1	0	0	-294	100	-58.1	100
72867	MERMK G2	24	320	71.4	0	0	-320	100	-71.4	100
73551	NORHAR#1	18	0	0	161	-31.8	161	999.9	-31.8	999.9
73552	NORHAR#2	20	0	0	168	-31.8	168	999.9	-31.8	999.9
73575	MILFD#2	13.8	0	0	280	79.1	280	999.9	79.1	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	7.8	51	999.9	7.8	999.9
73652	BE 11	16	0	0	170	37.7	170	999.9	37.7	999.9
73653	BE 12	16	0	0	170	37.7	170	999.9	37.7	999.9
73654	BE 10 ST	16	0	0	180	37.7	180	999.9	37.7	999.9

<b>NE Generation Changes from Dispatch 18B to Dispatch 21B</b>										
<b>Number</b>	<b>Name</b>	<b>BasVlt</b>	<b>Dispatch 18B</b>		<b>Dispatch 21B</b>		<b>Change</b>			
			<b>MW</b>	<b>MVAR</b>	<b>MW</b>	<b>MVAR</b>	<b>MW</b>	<b>%</b>	<b>MVAR</b>	<b>%</b>
70368	WF WY #4	22	92	20.2	235	24.9	143	155.4	4.7	23.3
73551	NORHAR#1	18	0	0	161	-22.5	161	999.9	-22.5	999.9
73552	NORHAR#2	20	0	0	168	-22.5	168	999.9	-22.5	999.9
73553	DEVON#7	13.8	106	25.2	0	0	-106	100	-25.2	100
73554	DEVON#8	13.8	106	25.2	0	0	-106	100	-25.2	100
73574	MILFD#1	13.8	280	150	0	0	-280	100	-150	100

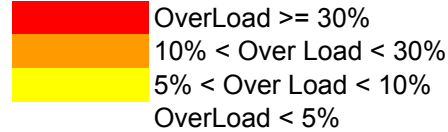
## Appendix E

### Summary of Overloads

- Table of Frequency of Overloads and Worst Overload
- Table of All Overloads

SWCT Generation Dispatch ID	Case or “Dispatch” Identifier			
	NE-NY 700 MW		NY-NE 700 MW	
	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	10B	14B	18B	22B
3	11B	15B	19B	23B
4	12B	16B	20B	24B
5	13B	17B	21B	25B

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

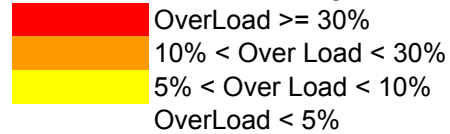


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	4	20.5	295	1460-387DCT	17B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	4	19.7	295	1460-387DCT	14B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	2	4.2	291	1460-387DCT	13B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	2	2.5	291	1460-387DCT	10B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	3	15.1	224	387LINE	14B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	3	14.4	295	1460-387DCT	17B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	35.8	464	SGTN5TSTK	17B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	33.6	464	SGTN5TSTK	14B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	29.9	460	SGTN5TSTK	13B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	27.8	460	SGTN5TSTK	10B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	24.1	464	SGTN5TSTK	15B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	20.0	464	SGTN5TSTK	16B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	19.1	460	SGTN5TSTK	11B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	16.5	464	SGTN5TSTK	25B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	14.9	460	SGTN5TSTK	12B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	14.7	464	SGTN5TSTK	22B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	11.0	460	SGTN5TSTK	21B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	9.3	460	SGTN5TSTK	18B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	5.7	464	SGTN5TSTK	23B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	1.6	464	SGTN5TSTK	24B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	0.6	460	SGTN5TSTK	19B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	48	34.3	463	SGTN4TSTK	14B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	32	34.3	463	SGTN4TSTK	17B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	4	15.4	459	SGTN4TSTK	10B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	4	14.7	459	SGTN4TSTK	13B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	10	13.1	463	SGTN4TSTK	22B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	7	12.4	463	SGTN4TSTK	25B	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	1	6.0	463	SGTN4TSTK	15B	FIX

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

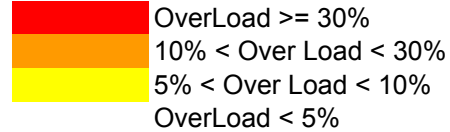


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73121 HADAUTO 345	73110 MILLSTNE 345	1	LN	2	5.5	195	318LINE	17B	FIX
73121 HADAUTO 345	73110 MILLSTNE 345	1	LN	2	3.5	195	318LINE	14B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	14B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	15B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	16B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	17B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	10B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	11B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	12B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	13B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	18B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	19B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	20B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	21B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	22B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	23B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	24B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	25B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	14B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	15B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	16B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	17B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	10B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	11B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	12B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	13B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	18B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	19B	FIX

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

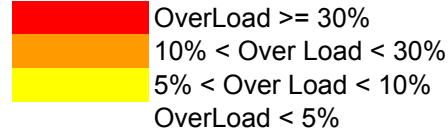


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	20B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	21B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	22B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	23B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	24B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	25B	FIX
73164 BALDWNJA 115	73187 STEVENS 115	1	LN	2	4.5	295	1460-387DCT	14B	FIX
73164 BALDWNJA 115	73187 STEVENS 115	1	LN	1	2.2	297	1618-321DCT	22B	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	5	14.5	295	1460-387DCT	14B	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	3	10.9	297	1618-321DCT	22B	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	3	9.5	295	1460-387DCT	17B	FIX
73166 NORHR138 138	73171 NWLK HAR 115	1	TR	3	24.1	451	LONGMT5TSTK	25B	FIX
73166 NORHR138 138	73171 NWLK HAR 115	1	TR	3	17.8	447	LONGMT5TSTK	21B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	14B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	15B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	16B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	17B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	10B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	11B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	12B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	13B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	18B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	19B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	20B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	21B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	22B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	23B	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	24B	FIX

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**



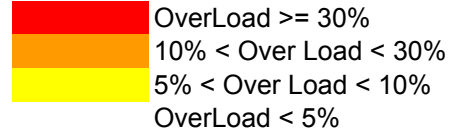
Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73167 SO.END 115 73294 GLNBRK J 115 1	LN	1	23.2	257	1440-1450DCT	25B	FIX		
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	1	3.4	289	1867-1890DCT	25B	FIX		
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	1	2.3	285	1867-1890DCT	21B	FIX		
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	1	2.2	289	1867-1890DCT	17B	FIX		
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	1	1.1	285	1867-1890DCT	13B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	54.7	288	1867-1880DCT	25B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	54.2	284	1867-1880DCT	21B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	53.7	288	1867-1880DCT	17B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	53.2	284	1867-1880DCT	13B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	51.9	288	1867-1880DCT	24B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	51.6	284	1867-1880DCT	20B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	51.1	288	1867-1880DCT	16B	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	50.6	284	1867-1880DCT	12B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	49.1	291	1880-1890DCT	25B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	47.5	291	1880-1890DCT	17B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	47.4	287	1880-1890DCT	21B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	45.8	287	1880-1890DCT	13B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	40.4	291	1880-1890DCT	24B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	39.0	287	1880-1890DCT	20B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	38.7	291	1880-1890DCT	16B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	37.3	287	1880-1890DCT	12B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	21.9	291	1880-1890DCT	22B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	20.4	291	1880-1890DCT	14B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	20.1	287	1880-1890DCT	18B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	18.5	287	1880-1890DCT	10B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	18.2	291	1880-1890DCT	23B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	16.7	291	1880-1890DCT	15B	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	16.6	287	1880-1890DCT	19B	FIX		



**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

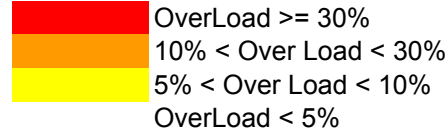


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls	
73168	GLNBROOK 115	73271	RYTN J B 115 1	LN	3	15.1	287	1880-1890DCT	11B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	45.2	285	1867-1890DCT	20B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	44.5	289	1867-1890DCT	24B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	44.1	289	1867-1890DCT	16B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	44.0	285	1867-1890DCT	12B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	43.9	289	1867-1890DCT	25B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	43.8	285	1867-1890DCT	21B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	42.8	285	1867-1890DCT	13B	FIX
73169	RYTN J A 115	73171	NWLK HAR 115 1	LN	1	42.7	289	1867-1890DCT	17B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	33	85.5	254	1416-1867DCT	22B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	37	83.6	254	1416-1867DCT	14B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	30	82.3	250	1416-1867DCT	18B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	33	80.7	250	1416-1867DCT	10B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	29	79.8	254	1416-1867DCT	23B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	26	77.5	254	1416-1867DCT	15B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	28	77.1	250	1416-1867DCT	19B	FIX
73169	RYTN J A 115	73172	NORWALK 115 1	LN	25	75.5	250	1416-1867DCT	11B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	89.2	429	TRIANGLE3T	22B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	88.5	429	TRIANGLE3T	14B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	87.7	429	TRIANGLE3T	17B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	86.3	429	TRIANGLE3T	15B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	85.4	429	TRIANGLE3T	25B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	78.2	425	TRIANGLE3T	18B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	77.0	425	TRIANGLE3T	10B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	76.8	429	TRIANGLE3T	23B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	75.8	425	TRIANGLE3T	13B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	75.4	425	TRIANGLE3T	21B	FIX
73170	PLUMTREE 115	73176	TRIANGLE 115 1	LN	3	75.1	425	TRIANGLE3T	19B	FIX

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

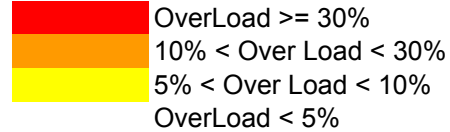


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	3	75.0	425	TRIANGLE3T	11B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	3	74.6	429	TRIANGLE3T	16B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	3	73.4	425	TRIANGLE3T	12B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	3	72.8	429	TRIANGLE3T	24B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	3	71.8	425	TRIANGLE3T	20B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.4	235	1060-1270DCT	22B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.3	235	1060-1270DCT	14B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.3	235	1060-1270DCT	15B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.3	231	1060-1270DCT	18B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.2	235	1060-1270DCT	17B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.2	235	1060-1270DCT	23B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.1	231	1060-1270DCT	10B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.0	235	1060-1270DCT	16B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.0	231	1060-1270DCT	11B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.0	231	1060-1270DCT	13B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.0	235	1060-1270DCT	25B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.9	231	1060-1270DCT	19B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.8	231	1060-1270DCT	12B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.8	231	1060-1270DCT	21B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.7	235	1060-1270DCT	24B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.5	231	1060-1270DCT	20B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	188.0	428	TRIANGLE2T	22B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.8	428	TRIANGLE2T	14B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.5	428	TRIANGLE2T	17B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.2	428	TRIANGLE2T	15B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.2	428	TRIANGLE2T	25B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	184.5	424	TRIANGLE2T	18B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	184.1	424	TRIANGLE2T	10B	FIX

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

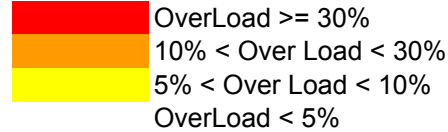


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	184.1	428	TRIANGLE2T	23B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.7	424	TRIANGLE2T	13B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.6	428	TRIANGLE2T	16B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.6	424	TRIANGLE2T	11B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.5	424	TRIANGLE2T	19B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.5	424	TRIANGLE2T	21B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.2	424	TRIANGLE2T	12B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	182.9	428	TRIANGLE2T	24B	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	182.5	424	TRIANGLE2T	20B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	12	60.7	288	1867-1880DCT	25B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	6	59.1	284	1867-1880DCT	21B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	4	57.8	288	1867-1880DCT	17B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	3	56.4	284	1867-1880DCT	13B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	52.7	288	1867-1880DCT	24B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	51.9	284	1867-1880DCT	20B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	50.5	288	1867-1880DCT	16B	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	49.1	284	1867-1880DCT	12B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.5	291	1880-1890DCT	17B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.4	291	1880-1890DCT	25B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.3	287	1880-1890DCT	12B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.3	287	1880-1890DCT	20B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	16B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	287	1880-1890DCT	13B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	287	1880-1890DCT	21B	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	24B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	417	100.0	255	1416-1880DCT	22B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	405	98.0	255	1416-1880DCT	14B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	398	96.8	251	1416-1880DCT	18B	FIX		

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

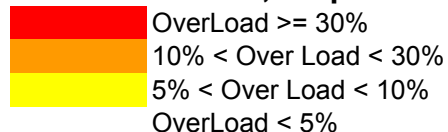


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	349	95.1	251	1416-1880DCT	10B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	196	94.3	255	1416-1880DCT	23B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	57	92.0	255	1416-1880DCT	15B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	47	91.6	251	1416-1880DCT	19B	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	42	89.9	251	1416-1880DCT	11B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	13.4	368	FROSTBR27T	17B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	2	13.2	368	FROSTBR27T	14B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	10.4	368	FROSTBR27T	25B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	10.2	368	FROSTBR27T	22B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	5.7	364	FROSTBR27T	13B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	5.5	364	FROSTBR27T	10B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	2.9	364	FROSTBR27T	21B	FIX		
73183 SHAWSHIL 115 73185 BUNKER H 115 1	LN	1	2.7	364	FROSTBR27T	18B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	33.4	248	1272-1721DCT	25B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	33.3	248	1272-1721DCT	17B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	32.1	244	1272-1721DCT	13B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	32.1	244	1272-1721DCT	21B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	31.4	248	1272-1721DCT	14B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	31.3	248	1272-1721DCT	22B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	29.9	244	1272-1721DCT	10B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	29.9	244	1272-1721DCT	18B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	28.1	248	1272-1721DCT	15B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	28.1	248	1272-1721DCT	23B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.6	244	1272-1721DCT	11B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.6	244	1272-1721DCT	19B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.0	248	1272-1721DCT	16B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.0	248	1272-1721DCT	24B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.5	244	1272-1721DCT	12B	FIX		

### Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B

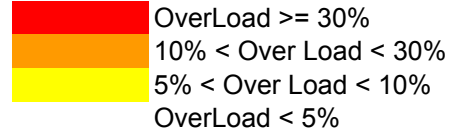


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	26.5	244	1272-1721DCT	20B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	5	31.3	295	1460-387DCT	14B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	5	29.8	295	1460-387DCT	17B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	4	11.0	295	1460-387DCT	22B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	3	10.3	295	1460-387DCT	25B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	2	2.5	291	1460-387DCT	10B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	1	2.0	291	1460-387DCT	13B	FIX
73196 GLEN JCT 115	73675 MIX AVE 115	1	LN	2	2.2	295	1460-387DCT	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	4	11.5	224	387LINE	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	4	10.0	460	SCOVKR8TSTK	17B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	82.7	255	1416-1880DCT	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	80.7	255	1416-1880DCT	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	79.3	251	1416-1880DCT	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	77.7	251	1416-1880DCT	10B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	22	76.8	255	1416-1880DCT	23B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	16	74.6	255	1416-1880DCT	15B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	16	74.1	251	1416-1880DCT	19B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	15	72.4	251	1416-1880DCT	11B	FIX
73224 TRMB J A 115	73700 PEQUONIC 115	1	LN	1	2.3	341	DEVON2TSTK	12B	FIX
73224 TRMB J A 115	73700 PEQUONIC 115	1	LN	1	0.8	341	DEVON2TSTK	20B	FIX
73228 BALDWNJB 115	73185 BUNKER H 115	1	LN	3	6.0	224	387LINE	14B	FIX
73228 BALDWNJB 115	73185 BUNKER H 115	1	LN	3	3.7	460	SCOVKR8TSTK	17B	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	4	27.4	82	1620SLINE	17B	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	5	27.3	82	1620SLINE	14B	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	19.0	82	1620SLINE	22B	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	19.0	82	1620SLINE	25B	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	13.1	82	1620SLINE	10B	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	12.9	82	1620SLINE	13B	FIX

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**

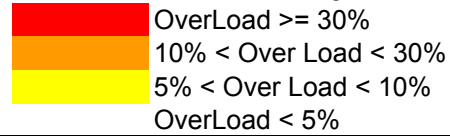


Existing 387 Line

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73230 HADDAM 115 73231 BOKUM 115 1	LN	1	4.9	82	1620SLINE	18B	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	1	4.8	82	1620SLINE	21B	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	1	3.3	82	1620SLINE	15B	FIX		
73230 HADDAM 115 73231 BOKUM 115 2	LN	2	10.7	33	1261LINE	14B	FIX		
73230 HADDAM 115 73231 BOKUM 115 2	LN	2	10.7	33	1261LINE	17B	FIX		
73230 HADDAM 115 73231 BOKUM 115 2	LN	1	3.4	33	1261LINE	22B	FIX		
73230 HADDAM 115 73231 BOKUM 115 2	LN	1	3.4	33	1261LINE	25B	FIX		
73231 BOKUM 115 73265 GREEN HL 115 1	LN	1	2.8	460	SCOVKR8TSTK	17B	FIX		
73231 BOKUM 115 73265 GREEN HL 115 1	LN	2	2.1	460	SCOVKR8TSTK	14B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	126.5	428	TRIANGLE2T	22B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	126.3	428	TRIANGLE2T	14B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	126.1	428	TRIANGLE2T	17B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	125.9	428	TRIANGLE2T	25B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	125.8	428	TRIANGLE2T	15B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	123.4	424	TRIANGLE2T	18B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	123.0	424	TRIANGLE2T	10B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	123.0	428	TRIANGLE2T	23B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.8	424	TRIANGLE2T	13B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.6	428	TRIANGLE2T	16B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.6	424	TRIANGLE2T	11B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.6	424	TRIANGLE2T	19B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.6	424	TRIANGLE2T	21B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.3	424	TRIANGLE2T	12B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	122.1	428	TRIANGLE2T	24B	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	2	121.9	424	TRIANGLE2T	20B	FIX		
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	2	1.8	463	NORSING1	11B	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	1	2.8	368	GRNDAV2TSTK	13B	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	1	0.6	368	GRNDAV2TSTK	21B	FIX		

**Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10B thru 25B**



Existing 387 Line  
 Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73669 GRAND AV 115	73681 WEST RIV 115	2	LN	1	2.8	368	GRNDV2TSTK	13B	FIX
73669 GRAND AV 115	73681 WEST RIV 115	2	LN	1	0.6	368	GRNDV2TSTK	21B	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.9	248	1389-1880DCT	11B	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.5	252	1389-1880DCT	15B	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.4	248	1389-1880DCT	10B	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.4	248	1389-1880DCT	19B	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.2	252	1389-1880DCT	23B	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.0	252	1389-1880DCT	14B	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	3	12.9	451	LONGMT5TSTK	25B	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	1	7.1	447	LONGMT5TSTK	21B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1742.4	1000.1	1446.0	120.5	295	1460-387DCT	17B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1731.1	961.8	1446.0	119.7	295	1460-387DCT	14B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1714.3	961.8	1446.0	118.6	224	387LINE	14B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1714.8	1000.1	1446.0	118.6	224	387LINE	17B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1638.0	1000.1	1446.0	113.3	460	SCOVKR8TSTK	17B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1591.9	961.8	1446.0	110.1	460	SCOVKR8TSTK	14B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1524.4	1000.1	1446.0	105.4	458	SCOVKR5TSTK	17B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1507.0	932.6	1446.0	104.2	291	1460-387DCT	13B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1491.9	961.8	1446.0	103.2	458	SCOVKR5TSTK	14B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1490.0	932.6	1446.0	103.0	220	387LINE	13B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1481.6	895.8	1446.0	102.5	291	1460-387DCT	10B	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1463.4	895.8	1446.0	101.2	220	387LINE	10B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2201.0	1260.7	1912.0	115.1	224	387LINE	14B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2190.3	1260.7	1912.0	114.6	295	1460-387DCT	14B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2186.5	1291.0	1912.0	114.4	295	1460-387DCT	17B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2180.6	1291.0	1912.0	114.0	224	387LINE	17B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1960.6	1291.0	1912.0	102.5	458	SCOVKR5TSTK	17B	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1938.9	1260.7	1912.0	101.4	458	SCOVKR5TSTK	14B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	794.3	293.8	585.0	135.8	464	SGTN5TSTK	17B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	781.6	294.1	585.0	133.6	464	SGTN5TSTK	14B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	759.9	286.3	585.0	129.9	460	SGTN5TSTK	13B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	747.7	286.8	585.0	127.8	460	SGTN5TSTK	10B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	726.1	279.5	585.0	124.1	464	SGTN5TSTK	15B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	702.0	268.7	585.0	120.0	464	SGTN5TSTK	16B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	697.0	272.5	585.0	119.1	460	SGTN5TSTK	11B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	681.4	279.0	585.0	116.5	464	SGTN5TSTK	25B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	672.0	261.7	585.0	114.9	460	SGTN5TSTK	12B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	670.7	279.4	585.0	114.7	464	SGTN5TSTK	22B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	649.6	271.7	585.0	111.0	460	SGTN5TSTK	21B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	639.5	272.1	585.0	109.3	460	SGTN5TSTK	18B	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	618.5	264.9	585.0	105.7	464	SGTN5TSTK	23B	FIX



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls		
73106	SOUTHGTN 345	73154	SGTN B	115 2	TR	594.5	254.1	585.0	101.6	464	SGTN5TSTK	24B	FIX
73106	SOUTHGTN 345	73154	SGTN B	115 2	TR	588.7	257.8	585.0	100.6	460	SGTN5TSTK	19B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	2153.6	1547.1	1604.0	134.3	463	SGTN4TSTK	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	2153.4	1519.0	1604.0	134.3	463	SGTN4TSTK	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	2017.1	1547.1	1604.0	125.8	462	SGTN3TSTK	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	2010.4	1547.1	1604.0	125.3	195	318LINE	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	2008.2	1519.0	1604.0	125.2	462	SGTN3TSTK	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1547.1	1547.1	1240.0	124.8	**	Base Case	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1999.3	1519.0	1604.0	124.6	195	318LINE	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1519.0	1519.0	1240.0	122.5	**	Base Case	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1917.9	1547.1	1604.0	119.6	464	SGTN5TSTK	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1902.8	1519.0	1604.0	118.6	464	SGTN5TSTK	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1869.2	1547.1	1604.0	116.5	297	1618-321DCT	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1864.4	1547.1	1604.0	116.2	197	329LINE	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1854.6	1547.1	1604.0	115.6	303	1887-321DCT	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1852.5	1547.1	1604.0	115.5	206	352+AUTO	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1852.6	1547.1	1604.0	115.5	307	329-352DCT	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1850.4	1306.8	1604.0	115.4	459	SGTN4TSTK	10B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1847.2	1519.0	1604.0	115.2	197	329LINE	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1843.0	1519.0	1604.0	114.9	206	352+AUTO	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1843.0	1519.0	1604.0	114.9	307	329-352DCT	17B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1839.8	1278.1	1604.0	114.7	459	SGTN4TSTK	13B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1838.7	1547.1	1604.0	114.6	451	LONGMT5TSTK	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1837.0	1547.1	1604.0	114.5	196	321LINE	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1830.0	1547.1	1604.0	114.1	301	1770-321DCT	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1813.9	1345.8	1604.0	113.1	463	SGTN4TSTK	22B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1803.5	1316.6	1604.0	112.4	463	SGTN4TSTK	25B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1793.2	1547.1	1604.0	111.8	214	362LINE	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1785.8	1547.1	1604.0	111.3	466	SGTN7TSTK	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1775.7	1547.1	1604.0	110.7	445	318-362STKBR	14B	FIX
73107	SCOVL RK 345	73663	E.SHORE	345 1	LN	1774.5	1519.0	1604.0	110.6	214	362LINE	17B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls		
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1773.6	1345.8	1604.0	110.6	297	1618-321DCT	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1761.8	1519.0	1604.0	109.8	466	SGTN7TSTK	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1759.0	1345.8	1604.0	109.7	303	1887-321DCT	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1758.4	1519.0	1604.0	109.6	445	318-362STKBR	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1750.5	1519.0	1604.0	109.1	451	LONGMT5TSTK	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1748.7	1519.0	1604.0	109.0	297	1618-321DCT	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1741.7	1345.8	1604.0	108.6	462	SGTN3TSTK	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1345.8	1345.8	1240.0	108.5	**	Base Case	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1739.1	1345.8	1604.0	108.4	196	321LINE	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1736.8	1345.8	1604.0	108.3	195	318LINE	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1734.3	1519.0	1604.0	108.1	303	1887-321DCT	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1733.6	1345.8	1604.0	108.1	301	1770-321DCT	22B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1727.9	1306.8	1604.0	107.7	458	SGTN3TSTK	10B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1724.3	1519.0	1604.0	107.5	196	321LINE	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1724.1	1316.6	1604.0	107.5	462	SGTN3TSTK	25B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1722.4	1547.1	1604.0	107.4	304	310-348DCT	14B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1723.4	1547.1	1604.0	107.4	461	SGTN1TSTK	14B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1721.9	1306.8	1604.0	107.3	195	318LINE	10B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1721.8	1547.1	1604.0	107.3	296	1565-PLNRDCT	14B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1717.8	1316.6	1604.0	107.1	195	318LINE	25B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1715.4	1547.1	1604.0	106.9	205	352LINE	14B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1711.8	1278.1	1604.0	106.7	458	SGTN3TSTK	13B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1712.1	1547.1	1604.0	106.7	204	348+AUTO	14B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1709.3	1519.0	1604.0	106.6	301	1770-321DCT	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1706.4	1519.0	1604.0	106.4	205	352LINE	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1705.4	1278.1	1604.0	106.3	195	318LINE	13B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1316.6	1316.6	1240.0	106.2	**	Base Case	25B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1701.7	1519.0	1604.0	106.1	304	310-348DCT	17B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1700.8	1179.5	1604.0	106.0	463	SGTN4TSTK	15B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1696.5	1547.1	1604.0	105.8	203	348LINE	14B	FIX
73107	SCOV	RK 345 73663	E.SHORE	345 1	LN	1695.2	1547.1	1604.0	105.7	271	1975-348DCT	14B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B





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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls	
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1695.2	1519.0	1604.0	105.7	461	SGTN1TSTK	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1306.8	1306.8	1240.0	105.4		** Base Case	10B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1686.6	1547.1	1604.0	105.2	413	SOTHNGTN12T	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1684.9	1519.0	1604.0	105.0	204	348+AUTO	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1675.3	1547.1	1604.0	104.4	192	312LINE	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1675.3	1547.1	1604.0	104.4	193	312+393LNS	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1675.3	1547.1	1604.0	104.4	194	312+393REAC	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1674.2	1547.1	1604.0	104.4	455	NOMNTSTBKR	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1674.2	1547.1	1604.0	104.4	456	NMSTBKREAC	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1674.0	1345.8	1604.0	104.4	451	LONGMT5TSTK	22B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1669.9	1519.0	1604.0	104.1	192	312LINE	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1669.9	1519.0	1604.0	104.1	193	312+393LNS	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1669.9	1519.0	1604.0	104.1	194	312+393REAC	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1669.6	1519.0	1604.0	104.1	203	348LINE	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1667.7	1519.0	1604.0	104.0	271	1975-348DCT	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1667.9	1519.0	1604.0	104.0	455	NOMNTSTBKR	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1667.9	1519.0	1604.0	104.0	456	NMSTBKREAC	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1661.3	1547.1	1604.0	103.6	225	393LINE	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1661.2	1547.1	1604.0	103.6	230	PLUMNOR	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1661.5	1519.0	1604.0	103.6	413	SOTHNGTN12T	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1278.1	1278.1	1240.0	103.1		** Base Case	13B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1652.9	1519.0	1604.0	103.0	225	393LINE	17B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1646.5	1306.8	1604.0	102.7	460	SGTN5TSTK	10B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1648.0	1316.6	1604.0	102.7	297	1618-321DCT	25B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1640.8	1547.1	1604.0	102.3	247	1261-1620DCT	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1640.8	1547.1	1604.0	102.3	331	BOKUM1T	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1640.8	1547.1	1604.0	102.3	380	HADDAMBT	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1633.3	1316.6	1604.0	101.8	303	1887-321DCT	25B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1630.7	1278.1	1604.0	101.7	460	SGTN5TSTK	13B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1624.5	1547.1	1604.0	101.3	308	362-376DCT	14B	FIX
73107	SCOV	RK 345 73663 E.SHORE	345 1	LN	1620.9	1316.6	1604.0	101.1	196	321LINE	25B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1620.1	1345.8	1604.0	101.0	296	1565-PLNRDCT	22B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1616.6	1547.1	1604.0	100.8	231	PLUMNOR+AUTO	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1615.0	1547.1	1604.0	100.7	314	LOSSBPT3	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1615.0	1547.1	1604.0	100.7	401	PEQUON42TSTK	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1613.0	1547.1	1604.0	100.6	245	1208-1640DCT	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1612.3	1547.1	1604.0	100.5	27	1208LINE	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1612.3	1547.1	1604.0	100.5	434	WALLING4TSTK	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1612.3	1547.1	1604.0	100.5	435	WALLING5TSTK	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1612.7	1519.0	1604.0	100.5	247	1261-1620DCT	17B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1612.7	1519.0	1604.0	100.5	331	BOKUM1T	17B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1612.7	1519.0	1604.0	100.5	380	HADDAMBT	17B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1609.8	1547.1	1604.0	100.4	41	1342LINE	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1610.2	1547.1	1604.0	100.4	332	BOKUM2T	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1610.2	1547.1	1604.0	100.4	333	BOKUM3T	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1608.5	1519.0	1604.0	100.3	308	362-376DCT	17B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1608.4	1316.6	1604.0	100.3	301	1770-321DCT	25B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1607.0	1345.8	1604.0	100.2	464	SGTN5TSTK	22B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1605.4	1547.1	1604.0	100.1	248	1272-1721DCT	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1605.2	1547.1	1604.0	100.1	267	1575-1990DCT	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1604.1	1547.1	1604.0	100.0	251	1355-1610DCT	14B	FIX
73107	SCOVLRK 345 73663 E.SHORE	345 1	LN	1604.1	1547.1	1604.0	100.0	414	SOTHNGTN13T	14B	FIX
73121	HADAUTO 345 73110 MILLSTNE	345 1	LN	1607.5	1047.2	1524.0	105.5	195	318LINE	17B	FIX
73121	HADAUTO 345 73110 MILLSTNE	345 1	LN	1597.7	1047.2	1524.0	104.8	462	SGTN3TSTK	17B	FIX
73121	HADAUTO 345 73110 MILLSTNE	345 1	LN	1577.8	1034.7	1524.0	103.5	195	318LINE	14B	FIX
73121	HADAUTO 345 73110 MILLSTNE	345 1	LN	1567.0	1034.7	1524.0	102.8	462	SGTN3TSTK	14B	FIX
73162	WATERSDE 115 73163 COS COB	115 1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	10B	FIX
73162	WATERSDE 115 73163 COS COB	115 1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	11B	FIX
73162	WATERSDE 115 73163 COS COB	115 1	LN	298.4	69.9	239.0	124.8	407	SOUTHEND6T	12B	FIX
73162	WATERSDE 115 73163 COS COB	115 1	LN	298.4	70.0	239.0	124.8	407	SOUTHEND6T	13B	FIX
73162	WATERSDE 115 73163 COS COB	115 1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	14B	FIX
73162	WATERSDE 115 73163 COS COB	115 1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	15B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.9	239.0	124.8	411	SOUTHEND6T	16B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	70.0	239.0	124.8	411	SOUTHEND6T	17B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	18B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	19B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.9	239.0	124.8	407	SOUTHEND6T	20B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	70.0	239.0	124.8	407	SOUTHEND6T	21B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	22B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	23B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	69.9	239.0	124.8	411	SOUTHEND6T	24B	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	298.4	70.0	239.0	124.8	411	SOUTHEND6T	25B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	10B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	11B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.9	352.0	102.5	407	SOUTHEND6T	12B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	133.0	352.0	102.5	407	SOUTHEND6T	13B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	411	SOUTHEND6T	14B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	411	SOUTHEND6T	15B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.9	352.0	102.5	411	SOUTHEND6T	16B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	133.0	352.0	102.5	411	SOUTHEND6T	17B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	18B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	19B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.9	352.0	102.5	407	SOUTHEND6T	20B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	133.0	352.0	102.5	407	SOUTHEND6T	21B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.5	352.0	102.5	411	SOUTHEND6T	22B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.4	352.0	102.5	411	SOUTHEND6T	23B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	132.9	352.0	102.5	411	SOUTHEND6T	24B	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	360.8	133.0	352.0	102.5	411	SOUTHEND6T	25B	FIX
73164 BALDWNJA 115	73187 STEVENSN 115	1	LN	294.6	154.2	282.0	104.5	295	1460-387DCT	14B	FIX
73164 BALDWNJA 115	73187 STEVENSN 115	1	LN	291.8	154.2	282.0	103.5	224	387LINE	14B	FIX
73164 BALDWNJA 115	73187 STEVENSN 115	1	LN	288.2	140.9	282.0	102.2	297	1618-321DCT	22B	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	328.6	184.5	287.0	114.5	295	1460-387DCT	14B	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	327.2	184.5	287.0	114.0	224	387LINE	14B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	318.3	171.3	287.0	110.9	297	1618-321DCT	22B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	315.0	184.5	287.0	109.7	460	SCOVKR8TSTK	14B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	314.3	177.5	287.0	109.5	295	1460-387DCT	17B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	309.4	177.5	287.0	107.8	224	387LINE	17B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	308.6	177.5	287.0	107.5	460	SCOVKR8TSTK	17B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	305.6	171.3	287.0	106.5	303	1887-321DCT	22B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	299.4	184.5	287.0	104.3	297	1618-321DCT	14B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	295.3	184.5	287.0	102.9	458	SCOVKR5TSTK	14B	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	289.0	171.3	287.0	100.7	196	321LINE	22B	FIX		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	499.1	206.7	402.0	124.1	451	LONGMT5TSTK	25B	FIX		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	473.8	206.8	402.0	117.8	447	LONGMT5TSTK	21B	FIX		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	454.9	206.7	402.0	113.2	228	398LINE	25B	FIX		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	454.9	206.7	402.0	113.2	229	398LREAC	25B	FIX		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	436.9	206.8	402.0	108.7	224	398LINE	21B	FIX		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	436.9	206.8	402.0	108.7	225	398LREAC	21B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.8	289.0	123.2	253	1440-1450DCT	10B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	113.1	289.0	123.2	253	1440-1450DCT	11B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.7	289.0	123.2	253	1440-1450DCT	12B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.9	289.0	123.2	253	1440-1450DCT	13B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.7	289.0	123.2	257	1440-1450DCT	14B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	113.0	289.0	123.2	257	1440-1450DCT	15B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.5	289.0	123.2	257	1440-1450DCT	16B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.8	289.0	123.2	257	1440-1450DCT	17B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.7	289.0	123.2	253	1440-1450DCT	18B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.9	289.0	123.2	253	1440-1450DCT	19B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.5	289.0	123.2	253	1440-1450DCT	20B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.7	289.0	123.2	253	1440-1450DCT	21B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.5	289.0	123.2	257	1440-1450DCT	22B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.8	289.0	123.2	257	1440-1450DCT	23B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.4	289.0	123.2	257	1440-1450DCT	24B	FIX		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.6	289.0	123.2	257	1440-1450DCT	25B	FIX		

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	454.1	179.3	439.0	103.4	289	1867-1890DCT	25B	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	449.0	177.2	439.0	102.3	285	1867-1890DCT	21B	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	448.8	177.4	439.0	102.2	289	1867-1890DCT	17B	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	443.7	175.2	439.0	101.1	285	1867-1890DCT	13B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	431.7	172.1	279.0	154.7	288	1867-1880DCT	25B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	430.1	171.9	279.0	154.2	284	1867-1880DCT	21B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	428.8	171.5	279.0	153.7	288	1867-1880DCT	17B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	427.4	171.3	279.0	153.2	284	1867-1880DCT	13B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	423.8	171.0	279.0	151.9	288	1867-1880DCT	24B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	423.0	171.0	279.0	151.6	284	1867-1880DCT	20B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	421.6	170.7	279.0	151.1	288	1867-1880DCT	16B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	420.2	170.4	279.0	150.6	284	1867-1880DCT	12B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	288.8	170.4	279.0	103.5	251	1416-1880DCT	12B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	288.0	170.7	279.0	103.2	255	1416-1880DCT	16B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	287.9	171.0	279.0	103.2	251	1416-1880DCT	20B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	286.9	171.0	279.0	102.8	255	1416-1880DCT	24B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	283.4	171.3	279.0	101.6	251	1416-1880DCT	13B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	282.5	171.5	279.0	101.2	255	1416-1880DCT	17B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	282.5	171.9	279.0	101.2	251	1416-1880DCT	21B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	281.6	170.4	279.0	100.9	250	1416-1867DCT	12B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	281.6	172.1	279.0	100.9	255	1416-1880DCT	25B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	280.7	170.7	279.0	100.6	254	1416-1867DCT	16B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	280.7	171.0	279.0	100.6	250	1416-1867DCT	20B	FIX
73168 GLNBROOK 115	73237 ELYAVE 115	1	LN	279.7	171.0	279.0	100.2	254	1416-1867DCT	24B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	430.8	165.1	289.0	149.1	291	1880-1890DCT	25B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	426.3	163.3	289.0	147.5	291	1880-1890DCT	17B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	426.0	163.0	289.0	147.4	287	1880-1890DCT	21B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	421.3	161.1	289.0	145.8	287	1880-1890DCT	13B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	405.7	154.6	289.0	140.4	291	1880-1890DCT	24B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	401.7	152.9	289.0	139.0	287	1880-1890DCT	20B	FIX
73168 GLNBROOK 115	73271 RYTN J B 115	1	LN	401.0	152.7	289.0	138.7	291	1880-1890DCT	16B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	396.9	150.9	289.0	137.3	287	1880-1890DCT	12B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	352.4	150.9	289.0	121.9	291	1880-1890DCT	22B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	348.0	149.2	289.0	120.4	291	1880-1890DCT	14B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	347.0	148.3	289.0	120.1	287	1880-1890DCT	18B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	342.4	145.7	289.0	118.5	287	1880-1890DCT	10B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	341.7	145.2	289.0	118.2	291	1880-1890DCT	23B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	337.2	143.4	289.0	116.7	291	1880-1890DCT	15B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	337.1	143.3	289.0	116.6	287	1880-1890DCT	19B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	336.8	150.9	289.0	116.5	255	1416-1880DCT	22B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	336.2	149.2	289.0	116.3	255	1416-1880DCT	14B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	334.6	148.3	289.0	115.8	251	1416-1880DCT	18B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	332.8	145.7	289.0	115.2	251	1416-1880DCT	10B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	332.7	141.5	289.0	115.1	287	1880-1890DCT	11B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	332.0	145.2	289.0	114.9	255	1416-1880DCT	23B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	331.2	143.4	289.0	114.6	255	1416-1880DCT	15B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	330.5	143.3	289.0	114.3	251	1416-1880DCT	19B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	329.9	141.5	289.0	114.2	251	1416-1880DCT	11B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	308.8	150.9	289.0	106.8	292	1880-1977DCT	22B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	308.1	149.2	289.0	106.6	292	1880-1977DCT	14B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	306.5	148.3	289.0	106.1	288	1880-1977DCT	18B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	304.8	145.7	289.0	105.5	288	1880-1977DCT	10B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	303.9	145.2	289.0	105.2	292	1880-1977DCT	23B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	303.1	143.4	289.0	104.9	292	1880-1977DCT	15B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	302.4	143.3	289.0	104.7	288	1880-1977DCT	19B	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	301.9	141.5	289.0	104.5	288	1880-1977DCT	11B	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	397.8	175.6	274.0	145.2	285	1867-1890DCT	20B	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	396.0	172.4	274.0	144.5	289	1867-1890DCT	24B	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	394.7	174.6	274.0	144.1	289	1867-1890DCT	16B	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	394.6	177.0	274.0	144.0	285	1867-1890DCT	12B	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	394.2	156.6	274.0	143.9	289	1867-1890DCT	25B	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	394.0	159.4	274.0	143.8	285	1867-1890DCT	21B	FIX	



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.3	161.2	274.0	142.8	285	1867-1890DCT	13B	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.0	158.2	274.0	142.7	289	1867-1890DCT	17B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	474.9	248.9	256.0	185.5	254	1416-1867DCT	22B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	470.0	245.2	256.0	183.6	254	1416-1867DCT	14B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	466.6	242.7	256.0	182.3	250	1416-1867DCT	18B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	466.1	248.9	256.0	182.1	289	1867-1890DCT	22B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	462.5	239.4	256.0	180.7	250	1416-1867DCT	10B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	461.9	245.2	256.0	180.4	289	1867-1890DCT	14B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	460.2	237.9	256.0	179.8	254	1416-1867DCT	23B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	454.5	233.7	256.0	177.5	254	1416-1867DCT	15B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	453.8	242.7	256.0	177.3	285	1867-1890DCT	18B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	453.3	232.7	256.0	177.1	250	1416-1867DCT	19B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	450.9	239.4	256.0	176.1	285	1867-1890DCT	10B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	449.2	229.4	256.0	175.5	250	1416-1867DCT	11B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	449.3	237.9	256.0	175.5	289	1867-1890DCT	23B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	447.7	248.9	256.0	174.9	290	1867-1977DCT	22B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	444.2	233.7	256.0	173.5	289	1867-1890DCT	15B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	443.4	232.7	256.0	173.2	285	1867-1890DCT	19B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	442.9	245.2	256.0	173.0	290	1867-1977DCT	14B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	439.9	229.4	256.0	171.8	285	1867-1890DCT	11B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	439.3	242.7	256.0	171.6	286	1867-1977DCT	18B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	435.3	239.4	256.0	170.1	286	1867-1977DCT	10B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	433.1	237.9	256.0	169.2	290	1867-1977DCT	23B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	427.5	233.7	256.0	167.0	290	1867-1977DCT	15B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	426.2	232.7	256.0	166.5	286	1867-1977DCT	19B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	422.1	229.4	256.0	164.9	286	1867-1977DCT	11B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	411.4	248.9	256.0	160.7	45	1389LINE	22B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	409.3	248.9	256.0	159.9	242	113091001DCT	22B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	408.6	245.2	256.0	159.6	242	113091001DCT	14B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	405.3	239.4	256.0	158.3	238	113091001DCT	10B	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	405.3	242.7	256.0	158.3	238	113091001DCT	18B	FIX		

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK 115 1 LN 404.9 245.2 256.0 158.2 45 1389LINE 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 403.1 237.9 256.0 157.5 242 113091001DCT 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 402.6 242.7 256.0 157.2 45 1389LINE 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 402.0 233.7 256.0 157.0 242 113091001DCT 15B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 400.5 229.4 256.0 156.5 238 113091001DCT 11B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 400.5 232.7 256.0 156.4 238 113091001DCT 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 396.8 239.4 256.0 155.0 45 1389LINE 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 395.3 237.9 256.0 154.4 45 1389LINE 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 394.4 248.9 256.0 154.0 365 FLAXHILL2T 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 388.2 245.2 256.0 151.6 365 FLAXHILL2T 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 388.0 233.7 256.0 151.6 45 1389LINE 15B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 387.5 232.7 256.0 151.4 45 1389LINE 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 385.7 242.7 256.0 150.7 361 FLAXHILL2T 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 381.5 229.4 256.0 149.0 45 1389LINE 11B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 380.3 239.4 256.0 148.6 361 FLAXHILL2T 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 380.1 248.9 256.0 148.5 143 1867LINE 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 380.1 248.9 256.0 148.5 395 NORWLKHAR7T 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 378.8 237.9 256.0 148.0 365 FLAXHILL2T 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 376.0 248.9 256.0 146.9 241 1130-1430DCT 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 375.6 245.2 256.0 146.7 241 1130-1430DCT 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 373.8 245.2 256.0 146.0 143 1867LINE 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 373.8 245.2 256.0 146.0 395 NORWLKHAR7T 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 373.6 248.9 256.0 145.9 256 1416-1890DCT 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 373.3 245.2 256.0 145.8 256 1416-1890DCT 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 372.4 239.4 256.0 145.5 237 1130-1430DCT 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 372.2 242.7 256.0 145.4 237 1130-1430DCT 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 371.8 233.7 256.0 145.2 365 FLAXHILL2T 15B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 371.4 242.7 256.0 145.1 143 1867LINE 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 371.4 242.7 256.0 145.1 391 NORWLKHAR7T 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 371.2 232.7 256.0 145.0 361 FLAXHILL2T 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 370.2 239.4 256.0 144.6 252 1416-1890DCT 10B FIX											

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK	115 1	LN	370.2	237.9	256.0	144.6	241	1130-1430DCT	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	369.9	242.7	256.0	144.5	252	1416-1890DCT	18B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	369.3	233.7	256.0	144.3	241	1130-1430DCT	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	368.0	229.4	256.0	143.7	237	1130-1430DCT	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	368.0	237.9	256.0	143.7	256	1416-1890DCT	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	367.6	232.7	256.0	143.6	237	1130-1430DCT	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	367.2	233.7	256.0	143.4	256	1416-1890DCT	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	365.9	239.4	256.0	142.9	143	1867LINE	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	365.9	239.4	256.0	142.9	391	NORWLKHAR7T	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	365.9	229.4	256.0	142.9	252	1416-1890DCT	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	365.5	232.7	256.0	142.8	252	1416-1890DCT	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	365.4	229.4	256.0	142.7	361	FLAXHILL2T	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	364.4	237.9	256.0	142.3	143	1867LINE	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	364.4	237.9	256.0	142.3	395	NORWLKHAR7T	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	357.3	233.7	256.0	139.6	143	1867LINE	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	357.3	233.7	256.0	139.6	395	NORWLKHAR7T	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	356.7	232.7	256.0	139.3	143	1867LINE	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	356.7	232.7	256.0	139.3	391	NORWLKHAR7T	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	350.8	229.4	256.0	137.0	143	1867LINE	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	350.8	229.4	256.0	137.0	391	NORWLKHAR7T	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	349.6	248.9	256.0	136.6	293	1890-1977DCT	22B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	349.4	245.2	256.0	136.5	293	1890-1977DCT	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	346.4	239.4	256.0	135.3	289	1890-1977DCT	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	346.0	242.7	256.0	135.1	289	1890-1977DCT	18B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	344.2	237.9	256.0	134.5	293	1890-1977DCT	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	343.5	233.7	256.0	134.2	293	1890-1977DCT	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	342.2	229.4	256.0	133.7	289	1890-1977DCT	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	341.7	232.7	256.0	133.5	289	1890-1977DCT	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	323.4	248.9	256.0	126.3	189	91001LINE	22B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	321.0	245.2	256.0	125.4	189	91001LINE	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	318.3	242.7	256.0	124.3	189	91001LINE	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B





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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK 115 1 LN 316.4 239.4 256.0 123.6 189 91001LINE 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 314.7 237.9 256.0 122.9 189 91001LINE 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 311.8 233.7 256.0 121.8 189 91001LINE 15B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 310.7 232.7 256.0 121.4 189 91001LINE 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 308.8 229.4 256.0 120.6 189 91001LINE 11B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 303.5 248.9 256.0 118.6 18 1130LINE 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 302.6 248.9 256.0 118.2 326 ASHCREEKBKR 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 300.9 245.2 256.0 117.5 18 1130LINE 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 300.9 248.9 256.0 117.5 398 PEQUON12TSTK 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 300.5 245.2 256.0 117.4 326 ASHCREEKBKR 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 298.1 242.7 256.0 116.4 18 1130LINE 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 297.7 245.2 256.0 116.3 398 PEQUON12TSTK 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 248.9 248.9 214.0 116.3 ** Base Case 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 297.6 242.7 256.0 116.2 322 ASHCREEKBKR 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 297.3 248.9 256.0 116.1 49 1430LINE 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 295.9 239.4 256.0 115.6 18 1130LINE 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 296.0 239.4 256.0 115.6 322 ASHCREEKBKR 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 295.1 245.2 256.0 115.3 49 1430LINE 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 294.7 242.7 256.0 115.1 394 PEQUON12TSTK 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 294.0 248.9 256.0 114.9 19 1130+1416LNS 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 294.2 237.9 256.0 114.9 18 1130LINE 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 294.1 237.9 256.0 114.9 326 ASHCREEKBKR 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 245.2 245.2 214.0 114.6 ** Base Case 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 292.3 242.7 256.0 114.2 49 1430LINE 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 292.3 248.9 256.0 114.2 408 SASCOCR1T 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 292.1 248.9 256.0 114.1 370 GLENBROOK8T 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 291.9 239.4 256.0 114.0 394 PEQUON12TSTK 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 291.5 245.2 256.0 113.9 19 1130+1416LNS 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 291.5 233.7 256.0 113.9 326 ASHCREEKBKR 15B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 291.6 248.9 256.0 113.9 48 1416LINE 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 291.6 248.9 256.0 113.9 148 1890LINE 22B FIX											

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK 115 1 LN	291.6	248.9	256.0	113.9	391	NORWLKHAR1T	22B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	291.1	233.7	256.0	113.7	18	1130LINE	15B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	290.7	239.4	256.0	113.5	49	1430LINE	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	290.5	237.9	256.0	113.5	398	PEQUON12TSTK	23B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	290.2	245.2	256.0	113.4	408	SASCOCR1T	14B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	242.7	242.7	214.0	113.4		** Base Case	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	290.0	245.2	256.0	113.3	370	GLENBROOK8T	14B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	289.9	232.7	256.0	113.3	18	1130LINE	19B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	290.1	232.7	256.0	113.3	322	ASHCREEKBKR	19B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	289.5	245.2	256.0	113.1	148	1890LINE	14B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	289.5	245.2	256.0	113.1	391	NORWLKHAR1T	14B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	289.0	245.2	256.0	112.9	48	1416LINE	14B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	289.0	237.9	256.0	112.9	49	1430LINE	23B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	288.7	242.7	256.0	112.8	19	1130+1416LNS	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	288.6	229.4	256.0	112.7	322	ASHCREEKBKR	11B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	287.8	229.4	256.0	112.4	18	1130LINE	11B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	287.4	242.7	256.0	112.3	404	SASCOCR1T	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	287.1	242.7	256.0	112.2	366	GLENBROOK8T	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	286.8	233.7	256.0	112.0	398	PEQUON12TSTK	15B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	286.7	242.7	256.0	112.0	148	1890LINE	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	286.7	242.7	256.0	112.0	387	NORWLKHAR1T	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	239.4	239.4	214.0	111.9		** Base Case	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	286.5	239.4	256.0	111.9	19	1130+1416LNS	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	286.3	233.7	256.0	111.8	49	1430LINE	15B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	286.3	242.7	256.0	111.8	48	1416LINE	18B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	285.9	239.4	256.0	111.7	404	SASCOCR1T	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	285.6	239.4	256.0	111.6	366	GLENBROOK8T	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	285.3	232.7	256.0	111.5	394	PEQUON12TSTK	19B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	285.2	239.4	256.0	111.4	148	1890LINE	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	285.2	239.4	256.0	111.4	387	NORWLKHAR1T	10B	FIX			
73169 RYTN J A 115 73172 NORWALK 115 1 LN	285.1	232.7	256.0	111.4	49	1430LINE	19B	FIX			

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK	115 1	LN	284.8	237.9	256.0	111.3	19	1130+1416LNS	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	237.9	237.9	214.0	111.2		** Base Case	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	284.1	239.4	256.0	111.0	48	1416LINE	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	284.2	237.9	256.0	111.0	408	SASCOCR1T	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	283.9	237.9	256.0	110.9	370	GLENBROOK8T	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	283.5	237.9	256.0	110.8	148	1890LINE	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	283.5	237.9	256.0	110.8	391	NORWLKHAR1T	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	283.4	229.4	256.0	110.7	49	1430LINE	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	282.6	229.4	256.0	110.4	394	PEQUON12TSTK	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	282.6	237.9	256.0	110.4	48	1416LINE	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.8	233.7	256.0	110.1	19	1130+1416LNS	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.8	248.9	256.0	110.1	343	DARIEN1T	22B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.6	233.7	256.0	110.0	408	SASCOCR1T	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.2	233.7	256.0	109.8	370	GLENBROOK8T	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.8	233.7	256.0	109.7	148	1890LINE	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.8	233.7	256.0	109.7	391	NORWLKHAR1T	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.5	232.7	256.0	109.6	19	1130+1416LNS	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.3	232.7	256.0	109.5	404	SASCOCR1T	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.9	232.7	256.0	109.3	366	GLENBROOK8T	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	233.7	233.7	214.0	109.2		** Base Case	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.4	233.7	256.0	109.2	48	1416LINE	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.6	232.7	256.0	109.2	148	1890LINE	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.6	232.7	256.0	109.2	387	NORWLKHAR1T	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.4	245.2	256.0	109.1	343	DARIEN1T	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.7	229.4	256.0	108.9	404	SASCOCR1T	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.7	248.9	256.0	108.9	411	SOUTHEND6T	22B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.5	229.4	256.0	108.8	19	1130+1416LNS	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	232.7	232.7	214.0	108.8		** Base Case	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.3	229.4	256.0	108.7	366	GLENBROOK8T	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.3	232.7	256.0	108.7	48	1416LINE	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	277.9	229.4	256.0	108.6	148	1890LINE	11B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

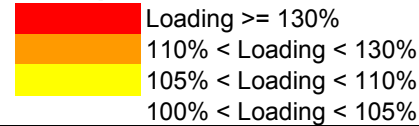
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK	115 1	LN	277.9	229.4	256.0	108.6	387	NORWLKHAR1T	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.0	248.9	256.0	108.6	154	1977LINENEW	22B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	276.5	242.7	256.0	108.0	339	DARIEN1T	18B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	276.2	229.4	256.0	107.9	48	1416LINE	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	276.2	245.2	256.0	107.9	411	SOUTHEND6T	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	275.5	245.2	256.0	107.6	154	1977LINENEW	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	274.5	239.4	256.0	107.2	339	DARIEN1T	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	229.4	229.4	214.0	107.2	**	Base Case	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	273.3	242.7	256.0	106.8	407	SOUTHEND6T	18B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	272.7	242.7	256.0	106.5	154	1977LINENEW	18B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	272.7	237.9	256.0	106.5	343	DARIEN1T	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	271.2	239.4	256.0	105.9	407	SOUTHEND6T	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	271.1	245.2	256.0	105.9	224	387LINE	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	270.6	239.4	256.0	105.7	154	1977LINENEW	10B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	269.8	233.7	256.0	105.4	343	DARIEN1T	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	269.5	237.9	256.0	105.3	411	SOUTHEND6T	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	269.0	248.9	256.0	105.1	410	SOUTHEND5T	22B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	268.9	237.9	256.0	105.0	154	1977LINENEW	23B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	268.5	232.7	256.0	104.9	339	DARIEN1T	19B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.5	229.4	256.0	104.1	339	DARIEN1T	11B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.4	245.2	256.0	104.1	192	312LINE	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.4	245.2	256.0	104.1	193	312+393LNS	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.4	245.2	256.0	104.1	194	312+393REAC	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.6	245.2	256.0	104.1	295	1460-387DCT	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.5	245.2	256.0	104.1	410	SOUTHEND5T	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.5	233.7	256.0	104.1	411	SOUTHEND6T	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.2	245.2	256.0	104.0	455	NOMNTSTBKR	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	266.2	245.2	256.0	104.0	456	NMSTBKREAC	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	265.8	245.2	256.0	103.8	460	SCOVKR8TSTK	14B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	265.8	233.7	256.0	103.8	154	1977LINENEW	15B	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	265.3	232.7	256.0	103.6	407	SOUTHEND6T	19B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115 73172 NORWALK 115 1 LN 264.6 232.7 256.0 103.4 154 1977LINENEW 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 264.2 245.2 256.0 103.2 225 393LINE 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 263.6 242.7 256.0 103.0 406 SOUTHEND5T 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 263.5 248.9 256.0 102.9 294 8100-8200DCT 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 263.2 229.4 256.0 102.8 407 SOUTHEND6T 11B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 263.2 248.9 256.0 102.8 473 SNGPEQ-XFR 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 263.0 232.7 256.0 102.7 220 387LINE 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 262.8 232.7 256.0 102.7 291 1460-387DCT 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 262.5 229.4 256.0 102.6 154 1977LINENEW 11B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 261.6 239.4 256.0 102.2 406 SOUTHEND5T 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 261.0 242.7 256.0 102.0 290 8100-8200DCT 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 261.2 232.7 256.0 102.0 456 SCOVK8TSTK 19B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 261.0 248.9 256.0 102.0 224 387LINE 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 260.0 245.2 256.0 101.6 294 8100-8200DCT 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 260.0 242.7 256.0 101.6 220 387LINE 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 260.1 237.9 256.0 101.6 224 387LINE 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 260.0 237.9 256.0 101.6 410 SOUTHEND5T 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.9 248.9 256.0 101.5 295 1460-387DCT 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.7 239.4 256.0 101.4 192 312LINE 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.7 239.4 256.0 101.4 193 312+393LNS 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.7 239.4 256.0 101.4 194 312+393REAC 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.5 239.4 256.0 101.4 451 NOMNTSTBKR 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.5 239.4 256.0 101.4 452 NMSTBKREAC 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.6 242.7 256.0 101.4 291 1460-387DCT 18B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.2 245.2 256.0 101.3 473 SNGPEQ-XFR 14B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 259.2 237.9 256.0 101.3 295 1460-387DCT 23B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 258.8 248.9 256.0 101.1 355 DEVON24TSTK 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 258.0 239.4 256.0 100.8 290 8100-8200DCT 10B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 258.0 248.9 256.0 100.8 460 SCOVK8TSTK 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 257.8 248.9 256.0 100.7 250 1310-1763DCT 22B FIX											
73169 RYTN J A 115 73172 NORWALK 115 1 LN 257.2 239.4 256.0 100.5 221 393LINE 10B FIX											



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B




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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73169 RYTN J A 115	73172 NORWALK	115 1	LN	257.0	233.7	256.0	100.4	410	SOUTHEND5T	15B	FIX
73169 RYTN J A 115	73172 NORWALK	115 1	LN	257.0	242.7	256.0	100.4	456	SCOVRK8TSTK	18B	FIX
73169 RYTN J A 115	73172 NORWALK	115 1	LN	256.5	237.9	256.0	100.2	460	SCOVRK8TSTK	23B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	261.1	79.8	138.0	189.2	429	TRIANGLE3T	22B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	260.1	79.7	138.0	188.5	429	TRIANGLE3T	14B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	259.0	79.7	138.0	187.7	429	TRIANGLE3T	17B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	257.1	79.7	138.0	186.3	429	TRIANGLE3T	15B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	255.9	79.6	138.0	185.4	429	TRIANGLE3T	25B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	245.9	79.7	138.0	178.2	425	TRIANGLE3T	18B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	244.2	79.6	138.0	177.0	425	TRIANGLE3T	10B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	244.0	79.7	138.0	176.8	429	TRIANGLE3T	23B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	242.6	79.6	138.0	175.8	425	TRIANGLE3T	13B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	242.1	79.5	138.0	175.4	425	TRIANGLE3T	21B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	241.6	79.5	138.0	175.1	425	TRIANGLE3T	19B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	241.4	79.6	138.0	175.0	425	TRIANGLE3T	11B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	241.0	79.6	138.0	174.6	429	TRIANGLE3T	16B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	239.4	79.5	138.0	173.4	425	TRIANGLE3T	12B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	238.4	79.4	138.0	172.8	429	TRIANGLE3T	24B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	237.1	79.3	138.0	171.8	425	TRIANGLE3T	20B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	145.1	79.8	138.0	105.1	22	1165LINE	22B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	145.0	79.7	138.0	105.0	22	1165LINE	14B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.9	79.7	138.0	105.0	22	1165LINE	15B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	145.0	79.7	138.0	105.0	22	1165LINE	18B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.9	79.7	138.0	105.0	22	1165LINE	23B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.8	79.6	138.0	104.9	22	1165LINE	10B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.8	79.7	138.0	104.9	22	1165LINE	17B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.7	79.6	138.0	104.8	22	1165LINE	11B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.6	79.6	138.0	104.8	22	1165LINE	13B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.7	79.6	138.0	104.8	22	1165LINE	16B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.5	79.5	138.0	104.7	22	1165LINE	19B	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.6	79.6	138.0	104.7	22	1165LINE	25B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.4	79.5	138.0	104.6	22	1165LINE	12B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.4	79.5	138.0	104.6	22	1165LINE	21B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138.0	104.5	22	1165LINE	24B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.0	79.3	138.0	104.3	22	1165LINE	20B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.1	79.7	138.0	100.8	404	PLUMTREE31T	15B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.1	79.8	138.0	100.8	404	PLUMTREE31T	22B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.0	79.7	138.0	100.8	404	PLUMTREE31T	23B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.0	79.7	138.0	100.7	404	PLUMTREE31T	14B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.0	79.7	138.0	100.7	400	PLUMTREE31T	18B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.9	79.6	138.0	100.6	400	PLUMTREE31T	10B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.9	79.6	138.0	100.6	400	PLUMTREE31T	11B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.8	79.6	138.0	100.6	404	PLUMTREE31T	16B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.9	79.7	138.0	100.6	404	PLUMTREE31T	17B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.6	138.0	100.5	400	PLUMTREE31T	13B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.5	138.0	100.5	400	PLUMTREE31T	19B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.6	138.0	100.5	404	PLUMTREE31T	25B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.6	79.5	138.0	100.4	400	PLUMTREE31T	12B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.6	79.5	138.0	100.4	400	PLUMTREE31T	21B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.4	79.4	138.0	100.3	404	PLUMTREE31T	24B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.3	79.3	138.0	100.2	400	PLUMTREE31T	20B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.7	84.4	166.0	135.4	235	1060-1270DCT	22B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.6	84.3	166.0	135.3	235	1060-1270DCT	14B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.5	84.3	166.0	135.3	235	1060-1270DCT	15B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.5	84.3	166.0	135.3	231	1060-1270DCT	18B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.4	84.2	166.0	135.2	235	1060-1270DCT	17B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.4	84.3	166.0	135.2	235	1060-1270DCT	23B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.3	84.2	166.0	135.1	231	1060-1270DCT	10B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.2	84.2	166.0	135.0	231	1060-1270DCT	11B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.0	84.1	166.0	135.0	231	1060-1270DCT	13B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.2	84.2	166.0	135.0	235	1060-1270DCT	16B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.0	84.1	166.0	135.0	235	1060-1270DCT	25B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.0	84.1	166.0	134.9	231	1060-1270DCT	19B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	223.8	84.0	166.0	134.8	231	1060-1270DCT	12B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	223.8	84.0	166.0	134.8	231	1060-1270DCT	21B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	223.5	83.9	166.0	134.7	235	1060-1270DCT	24B	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	223.3	83.8	166.0	134.5	231	1060-1270DCT	20B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	362.8	58.2	126.0	288.0	428	TRIANGLE2T	22B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	362.6	58.1	126.0	287.8	428	TRIANGLE2T	14B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	362.2	58.1	126.0	287.5	428	TRIANGLE2T	17B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	361.8	58.1	126.0	287.2	428	TRIANGLE2T	15B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	361.8	58.0	126.0	287.2	428	TRIANGLE2T	25B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	358.4	58.1	126.0	284.5	424	TRIANGLE2T	18B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	358.0	58.1	126.0	284.1	424	TRIANGLE2T	10B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	358.0	58.1	126.0	284.1	428	TRIANGLE2T	23B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	357.5	58.0	126.0	283.7	424	TRIANGLE2T	13B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	357.4	58.1	126.0	283.6	424	TRIANGLE2T	11B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	357.3	58.1	126.0	283.6	428	TRIANGLE2T	16B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	357.2	58.0	126.0	283.5	424	TRIANGLE2T	19B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	357.2	58.0	126.0	283.5	424	TRIANGLE2T	21B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	356.8	58.0	126.0	283.2	424	TRIANGLE2T	12B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	356.4	57.9	126.0	282.9	428	TRIANGLE2T	24B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	356.0	57.8	126.0	282.5	424	TRIANGLE2T	20B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.6	58.2	126.0	181.5	234	1060-1165DCT	22B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.5	58.1	126.0	181.3	234	1060-1165DCT	14B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.4	58.1	126.0	181.3	234	1060-1165DCT	15B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.4	58.1	126.0	181.3	230	1060-1165DCT	18B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.3	58.1	126.0	181.2	234	1060-1165DCT	23B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.2	58.1	126.0	181.1	230	1060-1165DCT	10B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.2	58.1	126.0	181.1	234	1060-1165DCT	17B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.0	58.1	126.0	181.0	230	1060-1165DCT	11B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	228.0	58.1	126.0	181.0	234	1060-1165DCT	16B	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	227.9	58.0	126.0	180.9	230	1060-1165DCT	13B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73170 PLUMTREE 115	73268 MDDLRLV 115	1	LN	227.9	58.0	126.0	180.9	234	1060-1165DCT	25B	FIX
73170 PLUMTREE 115	73268 MDDLRLV 115	1	LN	227.8	58.0	126.0	180.8	230	1060-1165DCT	19B	FIX
73170 PLUMTREE 115	73268 MDDLRLV 115	1	LN	227.7	58.0	126.0	180.7	230	1060-1165DCT	12B	FIX
73170 PLUMTREE 115	73268 MDDLRLV 115	1	LN	227.6	58.0	126.0	180.7	230	1060-1165DCT	21B	FIX
73170 PLUMTREE 115	73268 MDDLRLV 115	1	LN	227.3	57.9	126.0	180.4	234	1060-1165DCT	24B	FIX
73170 PLUMTREE 115	73268 MDDLRLV 115	1	LN	227.1	57.8	126.0	180.2	230	1060-1165DCT	20B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	422.5	182.0	263.0	160.7	288	1867-1880DCT	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	418.3	176.8	263.0	159.1	284	1867-1880DCT	21B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	415.1	175.2	263.0	157.8	288	1867-1880DCT	17B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	411.4	170.2	263.0	156.4	284	1867-1880DCT	13B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	401.7	153.4	263.0	152.7	288	1867-1880DCT	24B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	399.5	149.0	263.0	151.9	284	1867-1880DCT	20B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	395.8	146.9	263.0	150.5	288	1867-1880DCT	16B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	392.1	142.0	263.0	149.1	284	1867-1880DCT	12B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	285.3	149.0	263.0	108.5	238	113091001DCT	20B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	285.1	142.0	263.0	108.4	238	113091001DCT	12B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	285.0	146.9	263.0	108.4	242	113091001DCT	16B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	285.0	153.4	263.0	108.4	242	113091001DCT	24B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	283.9	170.2	263.0	108.0	238	113091001DCT	13B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	284.0	176.8	263.0	108.0	238	113091001DCT	21B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	283.7	175.2	263.0	107.9	242	113091001DCT	17B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	283.8	182.0	263.0	107.9	242	113091001DCT	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	270.5	182.0	263.0	102.9	390	NORWALKST2	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	268.9	182.0	263.0	102.3	255	1416-1880DCT	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	268.7	182.0	263.0	102.2	292	1880-1977DCT	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	268.2	182.0	263.0	102.0	189	91001LINE	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	267.1	176.8	263.0	101.5	189	91001LINE	21B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	266.9	182.0	263.0	101.5	369	GLENBROOK3T	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	266.8	182.0	263.0	101.4	146	1880LINE	25B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	266.4	175.2	263.0	101.3	189	91001LINE	17B	FIX
73171 NWLK HAR 115	73237 ELYAVE 115	1	LN	266.4	182.0	263.0	101.3	290	1867-1977DCT	25B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	266.1	182.0	263.0	101.2	254	1416-1867DCT	25B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	265.4	170.2	263.0	100.9	189	91001LINE	13B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	265.2	176.8	263.0	100.9	386	NORWALKST2	21B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	265.0	182.0	263.0	100.8	143	1867LINE	25B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	264.6	176.8	263.0	100.6	251	1416-1880DCT	21B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	264.2	176.8	263.0	100.4	288	1880-1977DCT	21B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	263.2	175.2	263.0	100.1	390	NORWALKST2	17B	FIX
73171	NWLK HAR 115 73237 ELYAVE	115 1	LN	263.4	182.0	263.0	100.1	365	FLAXHILL2T	25B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	317.6	171.8	304.0	104.5	291	1880-1890DCT	17B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	317.5	170.1	304.0	104.4	291	1880-1890DCT	25B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	317.0	190.3	304.0	104.3	287	1880-1890DCT	12B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	316.9	188.8	304.0	104.3	287	1880-1890DCT	20B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	316.9	174.4	304.0	104.2	287	1880-1890DCT	13B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	316.8	187.8	304.0	104.2	291	1880-1890DCT	16B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	316.8	172.6	304.0	104.2	287	1880-1890DCT	21B	FIX
73171	NWLK HAR 115 73271 RYTN J B	115 1	LN	316.8	185.6	304.0	104.2	291	1880-1890DCT	24B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	511.9	266.5	256.0	200.0	255	1416-1880DCT	22B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	506.9	262.9	256.0	198.0	255	1416-1880DCT	14B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	503.7	260.5	256.0	196.8	251	1416-1880DCT	18B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	499.5	257.3	256.0	195.1	251	1416-1880DCT	10B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	497.3	255.9	256.0	194.3	255	1416-1880DCT	23B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	491.5	251.7	256.0	192.0	255	1416-1880DCT	15B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	490.5	250.9	256.0	191.6	251	1416-1880DCT	19B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	486.2	247.6	256.0	189.9	251	1416-1880DCT	11B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	484.6	266.5	256.0	189.3	292	1880-1977DCT	22B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	479.7	262.9	256.0	187.4	292	1880-1977DCT	14B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	476.4	260.5	256.0	186.1	288	1880-1977DCT	18B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	472.3	257.3	256.0	184.5	288	1880-1977DCT	10B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	470.2	255.9	256.0	183.7	292	1880-1977DCT	23B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	464.4	251.7	256.0	181.4	292	1880-1977DCT	15B	FIX
73172	NORWALK 115 73207 FLAX HIL	115 1	LN	463.3	250.9	256.0	181.0	288	1880-1977DCT	19B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	459.1	247.6	256.0	179.3	288	1880-1977DCT	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	426.0	266.5	256.0	166.4	242	113091001DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	425.3	262.9	256.0	166.1	242	113091001DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	422.1	257.3	256.0	164.9	238	113091001DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	422.2	260.5	256.0	164.9	238	113091001DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	420.1	255.9	256.0	164.1	242	113091001DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	418.9	251.7	256.0	163.6	242	113091001DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	418.6	266.5	256.0	163.5	369	GLENBROOK3T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.5	247.6	256.0	163.1	238	113091001DCT	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.5	250.9	256.0	163.1	238	113091001DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	415.4	266.5	256.0	162.2	146	1880LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	415.4	266.5	256.0	162.2	394	NORWLKHAR4T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	415.0	266.5	256.0	162.1	390	NORWALKST2	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	412.2	262.9	256.0	161.0	369	GLENBROOK3T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	409.3	260.5	256.0	159.9	365	GLENBROOK3T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	409.0	262.9	256.0	159.8	146	1880LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	409.0	262.9	256.0	159.8	394	NORWLKHAR4T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.7	262.9	256.0	159.3	390	NORWALKST2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.0	260.5	256.0	159.0	146	1880LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.0	260.5	256.0	159.0	390	NORWLKHAR4T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	406.2	260.5	256.0	158.7	386	NORWALKST2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	403.6	257.3	256.0	157.7	365	GLENBROOK3T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.8	255.9	256.0	156.9	369	GLENBROOK3T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.4	257.3	256.0	156.8	146	1880LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.4	257.3	256.0	156.8	390	NORWLKHAR4T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	400.1	255.9	256.0	156.3	146	1880LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	400.1	255.9	256.0	156.3	394	NORWLKHAR4T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	399.6	257.3	256.0	156.1	386	NORWALKST2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	398.7	266.5	256.0	155.7	291	1880-1890DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	398.2	255.9	256.0	155.5	390	NORWALKST2	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.6	251.7	256.0	154.1	369	GLENBROOK3T	15B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.2	262.9	256.0	154.0	291	1880-1890DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.7	250.9	256.0	153.8	365	GLENBROOK3T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.4	260.5	256.0	153.7	287	1880-1890DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.9	251.7	256.0	153.5	146	1880LINE	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.9	251.7	256.0	153.5	394	NORWLKHAR4T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.8	266.5	256.0	153.4	241	1130-1430DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.4	262.9	256.0	153.3	241	1130-1430DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.6	250.9	256.0	153.3	146	1880LINE	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.6	250.9	256.0	153.3	390	NORWLKHAR4T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	390.1	250.9	256.0	152.4	386	NORWALKST2	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389.9	251.7	256.0	152.3	390	NORWALKST2	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	390.0	266.5	256.0	152.3	256	1416-1890DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389.7	262.9	256.0	152.2	256	1416-1890DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389.4	257.3	256.0	152.1	237	1130-1430DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389.3	260.5	256.0	152.1	237	1130-1430DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.7	257.3	256.0	151.8	287	1880-1890DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.1	255.9	256.0	151.6	291	1880-1890DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	387.9	247.6	256.0	151.5	365	GLENBROOK3T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	387.2	255.9	256.0	151.3	241	1130-1430DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.7	257.3	256.0	151.1	252	1416-1890DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.6	247.6	256.0	151.0	146	1880LINE	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.6	247.6	256.0	151.0	390	NORWLKHAR4T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.3	251.7	256.0	150.9	241	1130-1430DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.4	260.5	256.0	150.9	252	1416-1890DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.0	247.6	256.0	150.4	237	1130-1430DCT	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	384.7	250.9	256.0	150.3	237	1130-1430DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	384.6	255.9	256.0	150.2	256	1416-1890DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.8	251.7	256.0	149.9	256	1416-1890DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.6	251.7	256.0	149.8	291	1880-1890DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.6	250.9	256.0	149.8	287	1880-1890DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.1	247.6	256.0	149.6	386	NORWALKST2	11B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		382.5	247.6	256.0	149.4	252	1416-1890DCT	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		382.1	250.9	256.0	149.3	252	1416-1890DCT	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		379.1	247.6	256.0	148.1	287	1880-1890DCT	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		366.3	266.5	256.0	143.1	293	1890-1977DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		366.1	262.9	256.0	143.0	293	1890-1977DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		363.2	257.3	256.0	141.9	289	1890-1977DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		362.8	260.5	256.0	141.7	289	1890-1977DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		361.1	255.9	256.0	141.1	293	1890-1977DCT	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		360.4	251.7	256.0	140.8	293	1890-1977DCT	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		359.1	247.6	256.0	140.3	289	1890-1977DCT	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		358.7	250.9	256.0	140.1	289	1890-1977DCT	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		340.9	266.5	256.0	133.2	189	91001LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		338.5	262.9	256.0	132.2	189	91001LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		336.0	260.5	256.0	131.2	189	91001LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		334.1	257.3	256.0	130.5	189	91001LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		332.5	255.9	256.0	129.9	189	91001LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		329.6	251.7	256.0	128.7	189	91001LINE	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		328.6	250.9	256.0	128.4	189	91001LINE	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		326.6	247.6	256.0	127.6	189	91001LINE	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		321.6	266.5	256.0	125.6	393	NORWLKHAR3T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		320.6	266.5	256.0	125.2	18	1130LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		320.2	266.5	256.0	125.1	326	ASHCREEKBKR	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		266.5	266.5	214.0	124.5		** Base Case	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		318.1	262.9	256.0	124.3	326	ASHCREEKBKR	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		317.9	262.9	256.0	124.2	18	1130LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		318.1	266.5	256.0	124.2	398	PEQUON12TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		315.4	260.5	256.0	123.2	18	1130LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		315.4	260.5	256.0	123.2	322	ASHCREEKBKR	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		314.9	262.9	256.0	123.0	398	PEQUON12TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		314.7	266.5	256.0	122.9	49	1430LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		262.9	262.9	214.0	122.8		** Base Case	14B	FIX



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	313.8	257.3	256.0	122.6	322	ASHCREEKBKR	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	313.7	262.9	256.0	122.5	393	NORWLKHAR3T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	313.4	260.5	256.0	122.4	389	NORWLKHAR3T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	313.1	257.3	256.0	122.3	18	1130LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	312.5	262.9	256.0	122.1	49	1430LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	312.1	260.5	256.0	121.9	394	PEQUON12TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	312.0	255.9	256.0	121.9	326	ASHCREEKBKR	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	214.0	121.7	**	Base Case	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.6	255.9	256.0	121.7	18	1130LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.2	266.5	256.0	121.6	19	1130+1416LNS	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.9	260.5	256.0	121.1	49	1430LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.4	251.7	256.0	120.9	326	ASHCREEKBKR	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.5	266.5	256.0	120.9	370	GLENBROOK8T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.6	266.5	256.0	120.9	408	SASCOCR1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.3	257.3	256.0	120.8	394	PEQUON12TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.9	266.5	256.0	120.7	148	1890LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.9	266.5	256.0	120.7	391	NORWLKHAR1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.7	262.9	256.0	120.6	19	1130+1416LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.7	266.5	256.0	120.6	48	1416LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.4	251.7	256.0	120.5	18	1130LINE	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.3	257.3	256.0	120.4	49	1430LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.1	250.9	256.0	120.3	322	ASHCREEKBKR	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.0	255.9	256.0	120.3	398	PEQUON12TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	257.3	214.0	120.2	**	Base Case	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.3	262.9	256.0	120.1	370	GLENBROOK8T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.4	262.9	256.0	120.1	408	SASCOCR1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.4	250.9	256.0	120.1	18	1130LINE	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.7	262.9	256.0	119.8	148	1890LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.7	262.9	256.0	119.8	391	NORWLKHAR1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.7	255.9	256.0	119.8	49	1430LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.5	247.6	256.0	119.7	322	ASHCREEKBKR	11B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.1	262.9	256.0	119.6	48	1416LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	255.9	255.9	214.0	119.6		** Base Case	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.0	260.5	256.0	119.5	19	1130+1416LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.2	257.3	256.0	119.2	389	NORWLKHAR3T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.2	247.6	256.0	119.2	18	1130LINE	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.9	260.5	256.0	119.1	404	SASCOCR1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.9	255.9	256.0	119.1	393	NORWLKHAR3T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.7	260.5	256.0	119.0	366	GLENBROOK8T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.3	251.7	256.0	118.9	398	PEQUON12TSTK	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.1	260.5	256.0	118.8	148	1890LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.1	260.5	256.0	118.8	387	NORWLKHAR1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.9	257.3	256.0	118.7	19	1130+1416LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.0	251.7	256.0	118.7	49	1430LINE	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.6	260.5	256.0	118.6	48	1416LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.3	257.3	256.0	118.5	404	SASCOCR1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.1	257.3	256.0	118.4	366	GLENBROOK8T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.0	250.9	256.0	118.4	394	PEQUON12TSTK	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.9	250.9	256.0	118.3	49	1430LINE	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.6	257.3	256.0	118.2	148	1890LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.6	257.3	256.0	118.2	387	NORWLKHAR1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.3	255.9	256.0	118.1	19	1130+1416LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.8	255.9	256.0	117.9	408	SASCOCR1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.5	255.9	256.0	117.8	370	GLENBROOK8T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.4	257.3	256.0	117.7	48	1416LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.2	247.6	256.0	117.6	49	1430LINE	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	251.7	251.7	214.0	117.6		** Base Case	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.1	255.9	256.0	117.6	148	1890LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.1	255.9	256.0	117.6	391	NORWLKHAR1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.2	247.6	256.0	117.3	394	PEQUON12TSTK	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	250.9	250.9	214.0	117.2		** Base Case	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.0	255.9	256.0	117.2	48	1416LINE	23B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.2	251.7	256.0	116.9	19	1130+1416LNS	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.2	266.5	256.0	116.9	343	DARIEN1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.1	251.7	256.0	116.8	408	SASCOCR1T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.8	251.7	256.0	116.7	370	GLENBROOK8T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.4	251.7	256.0	116.5	148	1890LINE	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.4	251.7	256.0	116.5	391	NORWLKHAR1T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.1	250.9	256.0	116.4	19	1130+1416LNS	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.0	250.9	256.0	116.4	404	SASCOCR1T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.6	250.9	256.0	116.3	366	GLENBROOK8T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.5	250.9	256.0	116.2	389	NORWLKHAR3T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.3	250.9	256.0	116.1	148	1890LINE	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.3	250.9	256.0	116.1	387	NORWLKHAR1T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.8	251.7	256.0	116.0	48	1416LINE	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.8	262.9	256.0	115.9	343	DARIEN1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.8	251.7	256.0	115.9	393	NORWLKHAR3T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	247.6	247.6	214.0	115.7		** Base Case	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.3	247.6	256.0	115.7	404	SASCOCR1T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.0	247.6	256.0	115.6	19	1130+1416LNS	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.0	247.6	256.0	115.6	366	GLENBROOK8T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.9	250.9	256.0	115.6	48	1416LINE	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.0	266.5	256.0	115.6	411	SOUTHEND6T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.6	247.6	256.0	115.4	148	1890LINE	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.6	247.6	256.0	115.4	387	NORWLKHAR1T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.4	266.5	256.0	115.4	154	1977LINENEW	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.1	260.5	256.0	114.9	339	DARIEN1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	293.6	247.6	256.0	114.7	48	1416LINE	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	293.5	262.9	256.0	114.7	411	SOUTHEND6T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.8	262.9	256.0	114.4	154	1977LINENEW	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.0	257.3	256.0	114.1	339	DARIEN1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	290.9	260.5	256.0	113.6	407	SOUTHEND6T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	290.2	260.5	256.0	113.4	154	1977LINENEW	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	290.4	255.9	256.0	113.4	343	DARIEN1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	289.4	247.6	256.0	113.0	389	NORWLKHAR3T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	288.7	257.3	256.0	112.8	407	SOUTHEND6T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	288.1	257.3	256.0	112.5	154	1977LINENEW	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.4	251.7	256.0	112.3	343	DARIEN1T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.2	255.9	256.0	112.2	411	SOUTHEND6T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	286.4	266.5	256.0	111.9	410	SOUTHEND5T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	286.5	255.9	256.0	111.9	154	1977LINENEW	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	286.2	250.9	256.0	111.8	339	DARIEN1T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	285.4	262.9	256.0	111.5	224	387LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.2	247.6	256.0	111.0	339	DARIEN1T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.1	251.7	256.0	111.0	411	SOUTHEND6T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.9	262.9	256.0	110.9	192	312LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.9	262.9	256.0	110.9	193	312+393LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.9	262.9	256.0	110.9	194	312+393REAC	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.9	262.9	256.0	110.9	410	SOUTHEND5T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.8	262.9	256.0	110.9	455	NOMNTSTBKR	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.8	262.9	256.0	110.9	456	NMSTBKREAC	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.5	251.7	256.0	110.7	154	1977LINENEW	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.0	250.9	256.0	110.5	407	SOUTHEND6T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.3	250.9	256.0	110.3	154	1977LINENEW	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.8	262.9	256.0	110.1	225	393LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.3	260.5	256.0	109.9	406	SOUTHEND5T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.1	262.9	256.0	109.8	295	1460-387DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.0	250.9	256.0	109.8	220	387LINE	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.0	266.5	256.0	109.8	294	8100-8200DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.9	247.6	256.0	109.7	407	SOUTHEND6T	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.8	250.9	256.0	109.7	291	1460-387DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.9	266.5	256.0	109.7	473	SNGPEQ-XFR	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.2	247.6	256.0	109.5	154	1977LINENEW	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.3	257.3	256.0	109.1	406	SOUTHEND5T	10B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.2	250.9	256.0	109.1	456	SCOVRK8TSTK	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.0	262.9	256.0	109.0	460	SCOVRK8TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.6	260.5	256.0	108.8	290	8100-8200DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.9	255.9	256.0	108.6	224	387LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.7	260.5	256.0	108.5	220	387LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.7	266.5	256.0	108.5	224	387LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.7	255.9	256.0	108.5	410	SOUTHEND5T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.5	257.3	256.0	108.4	192	312LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.5	257.3	256.0	108.4	193	312+393LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.5	257.3	256.0	108.4	194	312+393REAC	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.5	262.9	256.0	108.4	294	8100-8200DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.3	257.3	256.0	108.3	451	NOMNTSTBKR	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.3	257.3	256.0	108.3	452	NMSTBKREAC	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.2	260.5	256.0	108.3	291	1460-387DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	276.9	262.9	256.0	108.2	473	SNGPEQ-XFR	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.1	255.9	256.0	108.2	295	1460-387DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	276.7	266.5	256.0	108.1	295	1460-387DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	276.3	266.5	256.0	107.9	355	DEVON24TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.5	257.3	256.0	107.6	290	8100-8200DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.5	266.5	256.0	107.6	250	1310-1763DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.0	257.3	256.0	107.4	221	393LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.7	251.7	256.0	107.3	410	SOUTHEND5T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.7	260.5	256.0	107.3	456	SCOVRK8TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.4	266.5	256.0	107.2	460	SCOVRK8TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.4	255.9	256.0	107.2	460	SCOVRK8TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.6	260.5	256.0	106.9	469	SNGPEQ-XFR	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.6	250.9	256.0	106.9	406	SOUTHEND5T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.2	266.5	256.0	106.7	263	1560-1570DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.8	262.9	256.0	106.6	355	DEVON24TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.8	266.5	256.0	106.6	425	STEVENSNSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.3	266.5	256.0	106.4	243	1163-1550D-2	22B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.5	266.5	256.0	106.4	283	1770-1887DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.4	266.5	256.0	106.4	285	1800-1810DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.4	266.5	256.0	106.4	421	SOTHNGTN24T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.3	266.5	256.0	106.4	424	SOTHNGTN28T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.5	266.5	256.0	106.4	426	STONYHILL1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.4	266.5	256.0	106.4	430	TRIANGLE4T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	272.2	266.5	256.0	106.3	385	MIXAVE1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	271.8	262.9	256.0	106.2	250	1310-1763DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	271.8	266.5	256.0	106.2	261	1505-1607DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	271.5	247.6	256.0	106.1	406	SOUTHEND5T	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	271.7	266.5	256.0	106.1	443	WOODMNT1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	271.3	247.6	256.0	106.0	220	387LINE	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	271.5	266.5	256.0	106.0	427	TRPFALLST1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.8	247.6	256.0	105.8	291	1460-387DCT	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.5	266.5	256.0	105.7	329	BATESROCK1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.5	266.5	256.0	105.7	342	COLONY1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.5	266.5	256.0	105.7	405	QUINIPACST1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.4	266.5	256.0	105.6	264	1570-1575DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.3	266.5	256.0	105.6	286	1800-1825DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.4	266.5	256.0	105.6	474	DEV-XFR	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.3	266.5	256.0	105.6	475	ESHR-XFR	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.3	266.5	256.0	105.6	477	NEWDEV2	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.0	266.5	256.0	105.5	249	1280-1870DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	270.0	266.5	256.0	105.5	407	SACKETST1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.7	251.7	256.0	105.4	455	NOMNTSBKR	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.7	251.7	256.0	105.4	456	NMSTBKREAC	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.8	266.5	256.0	105.4	248	1272-1721DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.9	266.5	256.0	105.4	378	GREENHLL2T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.7	266.5	256.0	105.4	429	TRIANGLE3T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.7	247.6	256.0	105.3	224	398LINE	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	269.7	247.6	256.0	105.3	225	398LREAC	11B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	262.9	256.0	105.3	263	1560-1570DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	260.5	256.0	105.3	246	1310-1763DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.7	266.5	256.0	105.3	59	1500LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	266.5	256.0	105.3	60	1505LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.7	266.5	256.0	105.3	78	1605LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	266.5	256.0	105.3	239	1100-1200DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	266.5	256.0	105.3	251	1355-1610DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	266.5	256.0	105.3	330	BECONFLSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	266.5	256.0	105.3	340	BUNKERH2T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	266.5	256.0	105.3	384	MLLRVR2TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	266.5	256.0	105.3	414	SOTHNGTN13T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	257.3	256.0	105.2	469	SNGFEQ-XFR	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	260.5	256.0	105.2	351	DEVON24TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	266.5	256.0	105.2	113	1760+1876LNS	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	266.5	256.0	105.2	383	MLLRVR1TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	266.5	256.0	105.2	403	PLUMTREE28T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	266.5	256.0	105.2	418	SOTHNGTN20T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	266.5	256.0	105.1	42	1355LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	266.5	256.0	105.1	94	1690LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	266.5	256.0	105.1	200	347LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	266.5	256.0	105.1	201	347LREAC	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	266.5	256.0	105.1	253	1394-1515DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	266.5	256.0	105.1	276	1670-1830DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	266.5	256.0	105.1	338	BROADWYST1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	266.5	256.0	105.1	402	PLUMTREE25T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	266.5	256.0	105.1	417	SOTHNGTN16T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	262.9	256.0	105.0	285	1800-1810DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	262.9	256.0	105.0	421	SOTHNGTN24T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	262.9	256.0	105.0	430	TRIANGLE4T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	266.5	256.0	105.0	119	1770LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	266.5	256.0	105.0	176	88005ALINE	22B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.8	266.5	256.0	105.0	266	1575-1585DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.7	266.5	256.0	105.0	341	BUNKERH3T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.7	266.5	256.0	105.0	362	DEVSWS4TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.8	266.5	256.0	105.0	363	EMERIDEN1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.8	266.5	256.0	105.0	375	GRNDAV5TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.8	266.5	256.0	105.0	376	GRNDAV6TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.8	266.5	256.0	105.0	381	HAWTHORNST	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.9	266.5	256.0	105.0	382	JUNEST1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.8	266.5	256.0	105.0	439	WBROOKFLD1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	262.9	256.0	104.9	243	1163-1550D-2	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.6	262.9	256.0	104.9	283	1770-1887DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.6	262.9	256.0	104.9	385	MIXAVE1	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	262.9	256.0	104.9	424	SOTHNGTN28T	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	262.9	256.0	104.9	425	STEVENSNSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.6	262.9	256.0	104.9	426	STONYHILL1T	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.6	262.9	256.0	104.9	443	WOODMNT1TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.4	251.7	256.0	104.9	192	312LINE	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.4	251.7	256.0	104.9	193	312+393LNS	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	251.7	256.0	104.9	194	312+393REAC	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	36	1272+1445LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.4	266.5	256.0	104.9	52	1443+1759LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	126	1780LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	132	1790LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	137	1820LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.6	266.5	256.0	104.9	195	318LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	268	1580-1585DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	287	1810-1825DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	412	SNAUGA1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.5	266.5	256.0	104.9	420	SOTHNGTN23T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.6	266.5	256.0	104.9	444	WOODMNT2TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	268.4	247.6	256.0	104.8	456	SCOVKR8TSTK	11B	FIX



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	68	1560LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.3	266.5	256.0	104.8	73	1575LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.4	266.5	256.0	104.8	179	88006ALINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.4	266.5	256.0	104.8	188	89006BLINE-1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	274	1668-1721DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.4	266.5	256.0	104.8	281	1732-1788DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	327	BAIRDASTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.3	266.5	256.0	104.8	339	BUNKERH1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	359	DEVSWST1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	361	DEVSWST3TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	374	GRNDAV4TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	266.5	256.0	104.8	377	GRNDAV7TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.4	266.5	256.0	104.8	419	SOTHNGTN22T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.3	266.5	256.0	104.8	455	NOMNTSTBKR	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.3	266.5	256.0	104.8	456	NMSTBKREAC	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.3	255.9	256.0	104.8	473	SNGPEQ-XFR	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.2	262.9	256.0	104.7	261	1505-1607DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.1	266.5	256.0	104.7	2	100+400LINES	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.1	266.5	256.0	104.7	11	1050+1766LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.1	266.5	256.0	104.7	21	1163+1910LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.0	266.5	256.0	104.7	174	88003ALINE-2	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.0	266.5	256.0	104.7	182	89003BLINE-2	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.0	266.5	256.0	104.7	240	1100-1300DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.1	266.5	256.0	104.7	267	1575-1990DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.1	266.5	256.0	104.7	366	FROSTBR15T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.0	266.5	256.0	104.7	386	NOHAVN1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		268.1	266.5	256.0	104.7	423	SOTHNGTN26T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		267.9	255.9	256.0	104.7	355	DEVON24TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		267.8	262.9	256.0	104.6	427	TRPFALLST1	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		267.6	251.7	256.0	104.6	228	398LINE	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		267.6	251.7	256.0	104.6	229	398LREAC	15B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

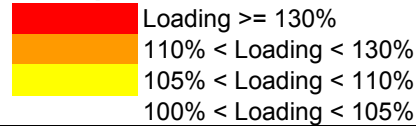
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.9	266.5	256.0	104.6	14	1070+1490LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.9	266.5	256.0	104.6	29	1235LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	67	1550+1950LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	165	8809ALINE-2	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	168	8909BLINE-2	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	192	312LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	193	312+393LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	194	312+393REAC	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.8	266.5	256.0	104.6	214	362LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.9	266.5	256.0	104.6	306	310-383DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.8	266.5	256.0	104.6	360	DEVSWST2TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.8	266.5	256.0	104.6	388	NWALLING1T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.8	266.5	256.0	104.6	462	SGTN3TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.7	266.5	256.0	104.6	463	SGTN4TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.5	257.3	256.0	104.5	220	387LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.4	251.7	256.0	104.5	224	387LINE	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.4	266.5	256.0	104.5	8	694LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.6	266.5	256.0	104.5	9	1000LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.4	266.5	256.0	104.5	156	8100LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.4	266.5	256.0	104.5	157	8200LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.4	266.5	256.0	104.5	159	8400LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.5	266.5	256.0	104.5	172	88003ALINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.5	266.5	256.0	104.5	180	89003BLINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.6	266.5	256.0	104.5	233	1000-1090DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.4	266.5	256.0	104.5	364	ESHORE12TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.5	266.5	256.0	104.5	371	GRNDAV1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.5	266.5	256.0	104.5	373	GRNDAV3TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.6	266.5	256.0	104.5	440	WRIVER1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.6	266.5	256.0	104.5	441	WRIVER2TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.3	266.5	256.0	104.4	3	400LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	267.3	266.5	256.0	104.4	32	1250LINE	22B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	266.5	256.0	104.4	37	1280LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	266.5	256.0	104.4	175	88003ALINE-3	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	266.5	256.0	104.4	183	89003BLINE-3	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	266.5	256.0	104.4	187	89006BLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	266.5	256.0	104.4	205	352LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	266.5	256.0	104.4	325	ALLINGS2TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	266.5	256.0	104.4	328	BAIRDBSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	255.9	256.0	104.4	294	8100-820DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	262.9	256.0	104.3	264	1570-1575DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	262.9	256.0	104.3	405	QUINIPACST1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	5	667-690LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	72	1572+1772LNS	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.3	75	1585LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	79	1607LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	266.5	256.0	104.3	80	1610LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	102	1730BLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	112	1760LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.3	144	1870LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.3	191	310LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	236	1070-1080DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	269	1580-1730BDC	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	266.5	256.0	104.3	324	ALLINGS1TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	350	DEVON8TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	351	DEVON10TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.3	358	DEVON27TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.3	372	GRNDAV2TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	266.5	256.0	104.3	413	SOTHNGTN12T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	262.9	256.0	104.2	286	1800-1825DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	262.9	256.0	104.2	329	BATESROCK1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	262.9	256.0	104.2	342	COLONY1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	260.5	256.0	104.2	259	1560-1570DCT	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	260.5	256.0	104.2	279	1770-1887DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	260.5	256.0	104.2	421	STEVENSNSSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	260.5	256.0	104.2	422	STONYHILL1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	266.5	256.0	104.2	35	1272LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	50	1440LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.2	53	1445LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	266.5	256.0	104.2	88	1640LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	266.5	256.0	104.2	97	1720LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	147	1887LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	158	8300LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	163	8804ALINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	166	8904BLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	171	84004LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	173	88003ALINE-1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	181	89003BLINE-1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	222	383LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	258	1470-1565DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	275	1670-1771DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	266.5	256.0	104.2	312	SOUTH1XAUTO	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	266.5	256.0	104.2	337	BRANFRDRR1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	397	PEACEABLE1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	266.5	256.0	104.2	415	SOTHNGTN14T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	416	SOTHNGTN15T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	266.5	256.0	104.2	428	TRIANGLE2T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	266.5	256.0	104.2	433	WALLING3TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	266.5	256.0	104.2	467	NORSING1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	257.3	256.0	104.1	291	1460-387DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	262.9	256.0	104.1	474	DEV-XFR	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	262.9	256.0	104.1	475	ESHR-XFR	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	260.5	256.0	104.1	281	1800-1810DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	260.5	256.0	104.1	417	SOTHNGTN24T	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

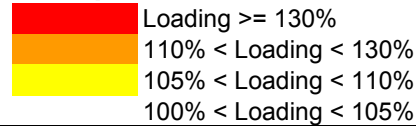
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	260.5	256.0	104.1	426	TRIANGLE4T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	1	100LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	6	689LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	7	693LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	12	1060LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	13	1070LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	16	1090LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	17	1100LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	20	1163LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	22	1165LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	23	1191LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	24	1200LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	25	1206LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	26	1207LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	34	1270LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	39	1310LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	40	1337LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	46	1394LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	47	1410LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	51	1443LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	54	1450LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	55	1460LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	56	1466LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	58	1490LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	63	1537LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	71	1572LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	74	1580LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	76	1588LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	77	1594LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	83	1620LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	85	1625LINE	22B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

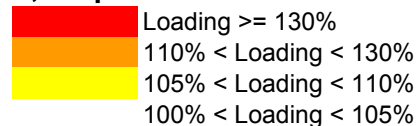


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	89	1655LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	90	1668LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	91	1670LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	92	1675LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	93	1685LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	95	1704LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	98	1721LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	105	1740LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	107	1751LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	109	1753LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	110	1756LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	111	1759LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	114	1763LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	115	1765LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	116	1766LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	117	1767LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	118	1769LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	120	1771LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	121	1772LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	123	1775LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	125	1779LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	129	1785LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	130	1786LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	131	1788LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	133	1792LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	134	1800-1860LNS	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	135	1810LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	139	1825LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	140	1830LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	141	1835LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	149	1900LINE	22B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

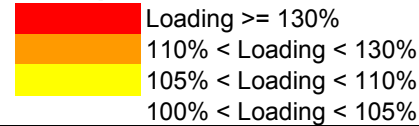


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	151	1921LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	153	1975LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	155	1990LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	160	8500LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	162	8700LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	164	8809ALINE-1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	167	8909BLINE-1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	169	9500LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	170	9502LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	220	381LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	221	381LREAC	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	235	1060-1270DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	257	1440-1450DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	310	MANCHAUTO1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	321	LOSSNHAV	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	322	LOSSNOR1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	323	LOSSNOR2	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.4	266.5	256.0	104.1	335	BRANFORD2T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	347	DEVON4TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	352	DEVON11TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	353	DEVON12TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	368	FROSTBR27T	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	436	WATERST1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	437	WATERST2TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.6	266.5	256.0	104.1	465	SGTN6TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	472	SNG-PEQTAP	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.5	266.5	256.0	104.1	476	NEWDEV1	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.2	257.3	256.0	104.0	246	1310-1763DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.3	262.9	256.0	104.0	407	SACKETST1	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.3	262.9	256.0	104.0	429	TRIANGLE3T	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	266.3	262.9	256.0	104.0	477	NEWDEV2	14B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	251.7	256.0	104.0	295	1460-387DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	260.5	256.0	104.0	239	1163-1550D-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	260.5	256.0	104.0	381	MIXAVE1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	260.5	256.0	104.0	420	SOTHNGTN28T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	10	1050LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	27	1208LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	33	1261LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	62	1515LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	66	1550LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	82	1620SLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	266.5	256.0	104.0	108	1752LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	266.5	256.0	104.0	122	1773LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	124	1777LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	266.5	256.0	104.0	127	1783LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	128	1784LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	150	1910LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	152	1950LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	161	8600LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	190	301-302LNS	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	266.5	256.0	104.0	197	329LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	234	1060-1165DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	237	1080-1280DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	266.5	256.0	104.0	244	1207-1775DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	266.5	256.0	104.0	265	1570-1580DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	270	1620-1975DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	284	1777-1779DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	313	SOUTH2XAUTO	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	266.5	256.0	104.0	336	BRANFORD4T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	379	HADDAMAT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	266.5	256.0	104.0	422	SOTHNGTN25T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	266.5	256.0	104.0	432	WALLING2TSTK	22B	FIX	



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

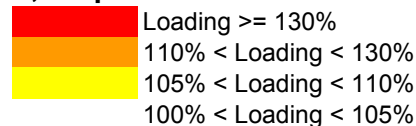
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	110% < Loading < 130%
	105% < Loading < 110%
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Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	434	WALLING4TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	266.5	256.0	104.0	435	WALLING5TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	266.5	256.0	104.0	469	SINGERSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	266.5	256.0	104.0	470	orang-eshr	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	257.3	256.0	103.9	351	DEVON24TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	262.9	256.0	103.9	59	1500LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	60	1505LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	262.9	256.0	103.9	78	1605LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	205	352LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	239	1100-1200DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	262.9	256.0	103.9	248	1272-1721DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	262.9	256.0	103.9	249	1280-1870DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	262.9	256.0	103.9	251	1355-1610DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	330	BECONFLSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	340	BUNKERH2T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	262.9	256.0	103.9	378	GREENHLL2T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	384	MLLRVR2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	262.9	256.0	103.9	414	SOTHNGTN13T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	262.9	256.0	103.9	463	SGTN4TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	266.5	256.0	103.9	4	500LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	266.5	256.0	103.9	61	1508LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	266.5	256.0	103.9	70	1570LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	104	1732LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	138	1821LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	142	1836LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	145	1876LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	266.5	256.0	103.9	177	88005ALINE-1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	266.5	256.0	103.9	185	89005BLINE-1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	266.5	256.0	103.9	225	393LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	266.5	256.0	103.9	245	1208-1640DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	282	1751-1777DCT	22B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

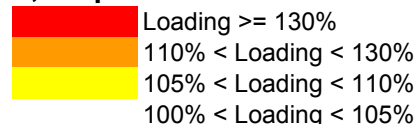


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	266.5	256.0	103.9	334	BRANFORD1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	266.5	256.0	103.9	349	DEVON7TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	367	FROSTBR21T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	401	PEQUON42TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	406	ROCKRIVER1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	464	SGTN5TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.0	266.5	256.0	103.9	468	SINGDEV1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	262.9	256.0	103.8	195	318LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	262.9	256.0	103.8	418	SOTHNGTN20T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	251.7	256.0	103.8	225	393LINE	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	260.5	256.0	103.8	257	1505-1607DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	250.9	256.0	103.8	290	8100-8200DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	266.5	256.0	103.8	15	1080LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	266.5	256.0	103.8	41	1342LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	266.5	256.0	103.8	64	1545LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	266.5	256.0	103.8	100	1726LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	266.5	256.0	103.8	184	89005BLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	266.5	256.0	103.8	238	1080-1490DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	266.5	256.0	103.8	332	BOKUM2T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	266.5	256.0	103.8	333	BOKUM3T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	266.5	256.0	103.8	442	WESTON1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	262.9	256.0	103.7	42	1355LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	262.9	256.0	103.7	94	1690LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	262.9	256.0	103.7	176	88005ALINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	262.9	256.0	103.7	253	1394-1515DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	262.9	256.0	103.7	338	BROADWYST1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	262.9	256.0	103.7	362	DEVSWST4TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	262.9	256.0	103.7	382	JUNEST1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	262.9	256.0	103.7	383	MLLRVR1TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	262.9	256.0	103.7	462	SGTN3TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	266.5	256.0	103.7	81	1618LINE	22B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	266.5	256.0	103.7	86	1630LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	266.5	256.0	103.7	216	368LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	266.5	256.0	103.7	219	376LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	266.5	256.0	103.7	305	310-368DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	266.5	256.0	103.7	387	NOHAVN2TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	266.5	256.0	103.7	431	WALLING1TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	262.9	256.0	103.6	113	1760+1876LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	262.9	256.0	103.6	266	1575-1585DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	262.9	256.0	103.6	276	1670-1830DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	262.9	256.0	103.6	363	EMERIDEN1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	262.9	256.0	103.6	375	GRNDAV5TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	262.9	256.0	103.6	376	GRNDAV6TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	262.9	256.0	103.6	417	SOTHNGTN16T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	262.9	256.0	103.6	444	WOODMNT2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	260.5	256.0	103.6	423	TRPFALLST1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	266.5	256.0	103.6	65	1545+SPS	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	266.5	256.0	103.6	178	88005ALINE-2	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	266.5	256.0	103.6	186	89005BLINE-2	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	266.5	256.0	103.6	247	1261-1620DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	266.5	256.0	103.6	331	BOKUM1T	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	266.5	256.0	103.6	380	HADDAMBT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	262.9	256.0	103.5	36	1272+1445LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.0	262.9	256.0	103.5	119	1770LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	262.9	256.0	103.5	137	1820LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	262.9	256.0	103.5	179	88006ALINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	262.9	256.0	103.5	188	89006BLINE-1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	262.9	256.0	103.5	268	1580-1585DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.5	287	1810-1825DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	262.9	256.0	103.5	327	BAIRDASTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	262.9	256.0	103.5	341	BUNKERH3T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.0	262.9	256.0	103.5	359	DEVSWST1TSTK	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

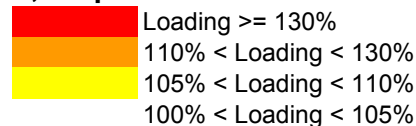
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.0	262.9	256.0	103.5	361	DEVSWST3TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.0	262.9	256.0	103.5	402	PLUMTREE25T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.0	262.9	256.0	103.5	403	PLUMTREE28T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	262.9	256.0	103.5	412	SNAUGA1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.5	420	SOTHNGTN23T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	262.9	256.0	103.5	439	WBROOKFLD1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	250.9	256.0	103.5	454	SCOVKR5TSTK	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	266.5	256.0	103.5	38	1300LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	266.5	256.0	103.5	43	ONE1385	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	266.5	256.0	103.5	466	SGTN7TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	255.9	256.0	103.5	250	1310-1763DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.4	52	1443+1759LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	262.9	256.0	103.4	73	1575LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.4	126	1780LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.4	132	1790LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	262.9	256.0	103.4	274	1668-1721DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	262.9	256.0	103.4	281	1732-1788DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	262.9	256.0	103.4	339	BUNKERH1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	262.9	256.0	103.4	360	DEVSWST2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.4	374	GRNDAV4TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	262.9	256.0	103.4	377	GRNDAV7TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	262.9	256.0	103.4	381	HAWTHORNST	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	262.9	256.0	103.4	419	SOTHNGTN22T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	260.5	256.0	103.4	325	BATESROCK1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	260.5	256.0	103.4	401	QUINIPACST1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	266.5	256.0	103.4	31	1238+1813LNS	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	266.5	256.0	103.4	103	1730CLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	266.5	256.0	103.4	400	PEQUON32TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	247.6	256.0	103.3	451	NOMNTSTBKR	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	247.6	256.0	103.3	452	NMSTBKREAC	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	262.9	256.0	103.3	2	100+400LINES	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	262.9	256.0	103.3	11	1050+1766LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	262.9	256.0	103.3	21	1163+1910LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	262.9	256.0	103.3	68	1560LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	262.9	256.0	103.3	165	8809ALINE-2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	262.9	256.0	103.3	168	8909BLINE-2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	262.9	256.0	103.3	174	88003ALINE-2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	262.9	256.0	103.3	182	89003BLINE-2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	262.9	256.0	103.3	240	1100-130DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	262.9	256.0	103.3	386	NOHAVN1TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	262.9	256.0	103.3	423	SOTHNGTN26T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	260.5	256.0	103.3	260	1570-1575DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	260.5	256.0	103.3	338	COLONY1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	266.5	256.0	103.3	309	371-383DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	266.5	256.0	103.3	354	DEVON23TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	266.5	256.0	103.3	356	DEVON25TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	262.9	256.0	103.2	14	1070+1490LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	262.9	256.0	103.2	29	1235LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	262.9	256.0	103.2	172	88003ALINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	262.9	256.0	103.2	180	89003BLINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	262.9	256.0	103.2	187	89006BLINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	262.9	256.0	103.2	214	362LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	262.9	256.0	103.2	267	1575-1990DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	262.9	256.0	103.2	366	FROSTBR15T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	262.9	256.0	103.2	388	NWALLING1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	262.9	256.0	103.2	440	WRIVER1TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	262.9	256.0	103.2	441	WRIVER2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	260.5	256.0	103.2	282	1800-1825DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	260.5	256.0	103.2	403	SACKETST1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	260.5	256.0	103.2	425	TRIANGLE3T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	266.5	256.0	103.2	84	1622LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	266.5	256.0	103.2	99	1722LINE	22B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.1	266.5	256.0	103.2	136	1813LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.3	266.5	256.0	103.2	206	352+AUTO	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.2	266.5	256.0	103.2	272	1622-1887DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.3	266.5	256.0	103.2	307	329-352DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.2	266.5	256.0	103.2	409	SHEPAUG13A	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.9	262.9	256.0	103.1	9	1000LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.0	262.9	256.0	103.1	67	1550+1950LNS	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.1	175	88003ALINE-3	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.1	183	89003BLINE-3	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.0	262.9	256.0	103.1	233	1000-1090DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.1	262.9	256.0	103.1	258	1470-1565DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.0	262.9	256.0	103.1	328	BAIRDBSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.1	371	GRNDAV1TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.9	262.9	256.0	103.1	373	GRNDAV3TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.1	262.9	256.0	103.1	397	PEACEABLE1T	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	251.7	256.0	103.1	355	DEVON24TSTK	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.0	260.5	256.0	103.1	245	1280-1870DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.9	260.5	256.0	103.1	374	GREENHLL2T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.0	260.5	256.0	103.1	439	WOODMNT1TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		264.0	266.5	256.0	103.1	304	310-348DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	262.9	256.0	103.0	3	400LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.0	8	694LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	262.9	256.0	103.0	32	1250LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.0	156	8100LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.0	157	8200LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	262.9	256.0	103.0	159	8400LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	262.9	256.0	103.0	324	ALLINGS1TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	262.9	256.0	103.0	325	ALLINGS2TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	262.9	256.0	103.0	364	ESHORE12TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	260.5	256.0	103.0	59	1500LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	260.5	256.0	103.0	78	1605LINE	18B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

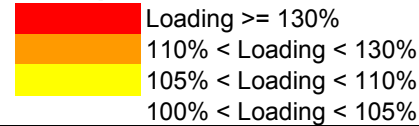
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	260.5	256.0	103.0	176	88005ALINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	260.5	256.0	103.0	235	1100-1200DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	260.5	256.0	103.0	247	1355-1610DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	260.5	256.0	103.0	358	DEVSWST4TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	260.5	256.0	103.0	371	GRNDAV5TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	260.5	256.0	103.0	372	GRNDAV6TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	260.5	256.0	103.0	380	MLLRVR2TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	260.5	256.0	103.0	410	SOTHNGTN13T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	260.5	256.0	103.0	470	DEV-XFR	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	266.5	256.0	103.0	30	1238LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	266.5	256.0	103.0	87	1637LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.7	266.5	256.0	103.0	204	348+AUTO	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.8	266.5	256.0	103.0	273	1637-1720DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.6	266.5	256.0	103.0	299	1759-353NDCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.5	257.3	256.0	102.9	259	1560-1570DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.4	262.9	256.0	102.9	5	667-690LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.4	262.9	256.0	102.9	37	1280LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	72	1572+1772LNS	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	79	1607LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.5	262.9	256.0	102.9	80	1610LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	102	1730BLINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	220	381LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	221	381LREAC	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	236	1070-1080DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.4	262.9	256.0	102.9	269	1580-1730BDC	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	350	DEVON8TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	351	DEVON10TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.5	262.9	256.0	102.9	358	DEVON27TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.3	262.9	256.0	102.9	413	SOTHNGTN12T	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.5	260.5	256.0	102.9	60	1505LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		263.5	260.5	256.0	102.9	113	1760+1876LNS	18B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



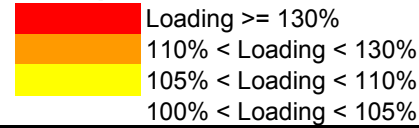
Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.4	260.5	256.0	102.9	326	BECONFLSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.4	260.5	256.0	102.9	379	MLLRVR1TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.4	260.5	256.0	102.9	399	PLUMTREE28T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	260.5	256.0	102.9	414	SOTHNGTN20T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.4	266.5	256.0	102.9	203	348LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.5	266.5	256.0	102.9	217	371LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.4	266.5	256.0	102.9	218	371+AUTO	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	266.5	256.0	102.9	262	1545-1570DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	266.5	256.0	102.9	271	1975-348DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.4	266.5	256.0	102.9	308	362-376DCT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	266.5	256.0	102.9	348	DEVON6TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.5	266.5	256.0	102.9	461	SGTN1TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	257.3	256.0	102.8	279	1770-1887DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	257.3	256.0	102.8	281	1800-1810DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.2	257.3	256.0	102.8	381	MIXAVE1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	257.3	256.0	102.8	417	SOTHNGTN24T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	257.3	256.0	102.8	422	STONYHILL1T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	257.3	256.0	102.8	426	TRIANGLE4T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.3	257.3	256.0	102.8	456	SCOVKR8TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	247.6	256.0	102.8	192	312LINE	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	247.6	256.0	102.8	193	312+393LNS	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	247.6	256.0	102.8	194	312+393REAC	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	262.9	256.0	102.8	35	1272LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.2	262.9	256.0	102.8	53	1445LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.2	262.9	256.0	102.8	75	1585LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.2	262.9	256.0	102.8	88	1640LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	262.9	256.0	102.8	93	1685LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.2	262.9	256.0	102.8	163	8804ALINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	262.9	256.0	102.8	164	8809ALINE-1	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.2	262.9	256.0	102.8	166	8904BLINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.1	262.9	256.0	102.8	167	8909BLINE-1	14B	FIX



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

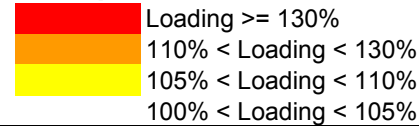


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.8	171	84004LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	262.9	256.0	102.8	191	310LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	262.9	256.0	102.8	312	SOUTH1XAUTO	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	262.9	256.0	102.8	337	BRANFRDRR1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	262.9	256.0	102.8	372	GRNDAV2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	262.9	256.0	102.8	415	SOTHNGTN14T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	262.9	256.0	102.8	428	TRIANGLE2T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	262.9	256.0	102.8	433	WALLING3TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	251.7	256.0	102.8	294	8100-8200DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	251.7	256.0	102.8	473	SNGPEQ-XFR	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	260.5	256.0	102.8	42	1355LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	260.5	256.0	102.8	94	1690LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	260.5	256.0	102.8	119	1770LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	260.5	256.0	102.8	200	347LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	260.5	256.0	102.8	201	347LREAC	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	260.5	256.0	102.8	244	1272-1721DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	260.5	256.0	102.8	249	1394-1515DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	260.5	256.0	102.8	336	BUNKERH2T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	260.5	256.0	102.8	355	DEVSWST1TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	260.5	256.0	102.8	357	DEVSWST3TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	260.5	256.0	102.8	398	PLUMTREE25T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	260.5	256.0	102.8	473	NEWDEV2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	257.3	256.0	102.7	239	1163-1550D-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	257.3	256.0	102.7	420	SOTHNGTN28T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	257.3	256.0	102.7	421	STEVENSNSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	1	100LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	6	689LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	7	693LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	12	1060LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	13	1070LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	16	1090LINE	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

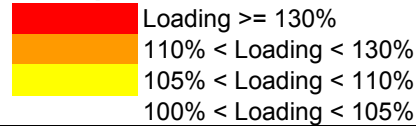


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	17	1100LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	22	1165LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	23	1191LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	24	1200LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	34	1270LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	39	1310LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	40	1337LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	46	1394LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	47	1410LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	50	1440LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	51	1443LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	54	1450LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	55	1460LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	56	1466LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	58	1490LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	63	1537LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	74	1580LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	76	1588LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	77	1594LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	89	1655LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	90	1668LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	91	1670LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	92	1675LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	95	1704LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	98	1721LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	105	1740LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	107	1751LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	109	1753LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	110	1756LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	111	1759LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	114	1763LINE	14B	FIX

List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

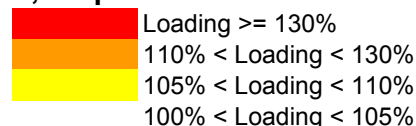


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	115	1765LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	116	1766LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	117	1767LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	118	1769LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	120	1771LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	123	1775LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	125	1779LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	129	1785LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	130	1786LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	131	1788LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	133	1792LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	139	1825LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	140	1830LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	141	1835LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.7	144	1870LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	149	1900LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	151	1921LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.7	158	8300LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.7	160	8500LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	162	8700LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	169	9500LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	170	9502LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.7	173	88003ALINE-1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.7	181	89003BLINE-1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	235	1060-1270DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	257	1440-1450DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	275	1670-1771DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	262.9	256.0	102.7	306	310-383DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.7	310	MANCHAUTO1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	321	LOSSNHAV	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	262.9	256.0	102.7	322	LOSSNOR1	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

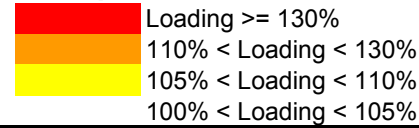


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	323	LOSSNOR2	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	347	DEVON4TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	352	DEVON11TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	353	DEVON12TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	401	PEQUON42TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	416	SOTHNGTN15T	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	262.9	256.0	102.7	436	WATERST1TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	437	WATERST2TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	465	SGTN6TSTK	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	262.9	256.0	102.7	472	SNG-PEQTAP	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.7	476	NEWDEV1	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	260.5	256.0	102.7	179	88006ALINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	260.5	256.0	102.7	188	89006BLINE-1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	260.5	256.0	102.7	272	1670-1830DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	260.5	256.0	102.7	334	BROADWYST1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	260.5	256.0	102.7	359	EMERIDEN1T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	260.5	256.0	102.7	370	GRNDAV4TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.9	260.5	256.0	102.7	373	GRNDAV7TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	260.5	256.0	102.7	378	JUNEST1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	260.5	256.0	102.7	413	SOTHNGTN16T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	260.5	256.0	102.7	435	WBROOKFLD1T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	266.5	256.0	102.7	311	PLUMAUT	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	266.5	256.0	102.7	314	LOSSBPT3	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	266.5	256.0	102.7	315	LOSSDEV7	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	263.0	266.5	256.0	102.7	357	DEVON26TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.5	247.6	256.0	102.6	290	8100-8200DCT	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.7	262.9	256.0	102.6	10	1050LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.7	262.9	256.0	102.6	20	1163LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.6	25	1206LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.8	262.9	256.0	102.6	26	1207LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	262.6	262.9	256.0	102.6	27	1208LINE	14B	FIX

List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

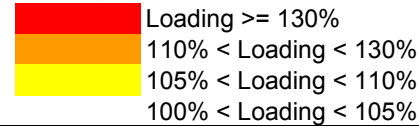


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	33	1261LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	62	1515LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	66	1550LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	71	1572LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	82	1620SLINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.6	83	1620NLINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	85	1625LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	97	1720LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	108	1752LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	112	1760LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.6	121	1772LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	124	1777LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.6	134	1800-1860LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.6	135	1810LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.6	147	1887LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	150	1910LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	152	1950LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	262.9	256.0	102.6	153	1975LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	155	1990LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	161	8600LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	197	329LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	234	1060-1165DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	262.9	256.0	102.6	265	1570-1580DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	270	1620-1975DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	284	1777-1779DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	313	SOUTH2XAUTO	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	335	BRANFORD2T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	336	BRANFORD4T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	368	FROSTBR27T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	262.9	256.0	102.6	379	HADDAMAT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	262.9	256.0	102.6	422	SOTHNGTN25T	14B	FIX	

List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

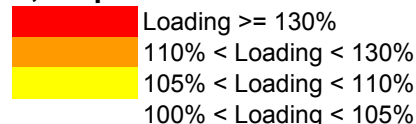


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	432	WALLING2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	434	WALLING4TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	435	WALLING5TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	262.9	256.0	102.6	470	orang-eshr	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	251.7	256.0	102.6	460	SCOVKR8TSTK	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.6	137	1820LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	260.5	256.0	102.6	174	88003ALINE-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	260.5	256.0	102.6	182	89003BLINE-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	260.5	256.0	102.6	262	1575-1585DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	260.5	256.0	102.6	323	BAIRDASTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	260.5	256.0	102.6	337	BUNKERH3T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	260.5	256.0	102.6	356	DEVSWST2TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	260.5	256.0	102.6	377	HAWTHORNST	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	266.5	256.0	102.6	448	CARD2TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	257.3	256.0	102.5	257	1505-1607DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.5	61	1508LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	70	1570LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.5	122	1773LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	262.9	256.0	102.5	127	1783LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	128	1784LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.5	138	1821LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.5	142	1836LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	177	88005ALINE-1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	184	89005BLINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	185	89005BLINE-1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.5	206	352+AUTO	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	262.9	256.0	102.5	237	1080-1280DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	262.9	256.0	102.5	244	1207-1775DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	282	1751-1777DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	307	329-352DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	262.9	256.0	102.5	349	DEVON7TSTK	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

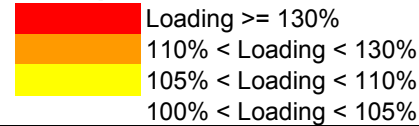


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.5	36	1272+1445LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	260.5	256.0	102.5	52	1443+1759LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	260.5	256.0	102.5	126	1780LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	260.5	256.0	102.5	132	1790LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.5	264	1580-1585DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.5	277	1732-1788DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.5	283	1810-1825DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	260.5	256.0	102.5	382	NOHAVN1TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.5	408	SNAUGA1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	260.5	256.0	102.5	415	SOTHNGTN22T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	260.5	256.0	102.5	416	SOTHNGTN23T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	260.5	256.0	102.5	471	ESHR-XFR	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	255.9	256.0	102.5	200	347LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	255.9	256.0	102.5	201	347LREAC	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	255.9	256.0	102.5	283	1770-1887DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	255.9	256.0	102.5	426	STONYHILL1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	255.9	256.0	102.5	458	SCOVVK5TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	257.3	256.0	102.4	439	WOODMNT1TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.4	4	500LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	262.9	256.0	102.4	64	1545LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	262.9	256.0	102.4	100	1726LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	262.9	256.0	102.4	104	1732LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	262.9	256.0	102.4	190	301-302LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	262.9	256.0	102.4	222	383LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	262.9	256.0	102.4	245	1208-1640DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	262.9	256.0	102.4	334	BRANFORD1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	262.9	256.0	102.4	367	FROSTBR21T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	262.9	256.0	102.4	406	ROCKRIVER1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	2	100+400LINES	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	11	1050+1766LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	21	1163+1910LNS	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



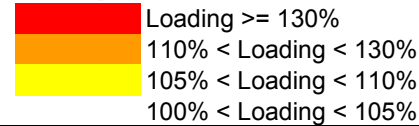
Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	260.5	256.0	102.4	73	1575LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	165	8809ALINE-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	168	8909BLINE-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	172	88003ALINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	180	89003BLINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	187	89006BLINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	236	1100-130DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	263	1575-1990DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	270	1668-1721DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	324	BAIRDBSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	260.5	256.0	102.4	335	BUNKERH1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	362	FROSTBR15T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	419	SOTHNGTN26T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	436	WRIVER1TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	260.5	256.0	102.4	437	WRIVER2TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	260.5	256.0	102.4	454	SCOVVK5TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	250.9	256.0	102.4	469	SNGPEQ-XFR	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	266.5	256.0	102.4	207	353NLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	266.5	256.0	102.4	454	MONTVSTBKR	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	257.3	256.0	102.3	423	TRPFALLST1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	262.9	256.0	102.3	15	1080LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	262.9	256.0	102.3	41	1342LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	262.9	256.0	102.3	86	1630LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	262.9	256.0	102.3	178	88005ALINE-2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	262.9	256.0	102.3	186	89005BLINE-2	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	262.9	256.0	102.3	219	376LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	262.9	256.0	102.3	238	1080-1490DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	262.9	256.0	102.3	332	BOKUM2T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	262.9	256.0	102.3	333	BOKUM3T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	262.9	256.0	102.3	387	NOHAVN2TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	262.9	256.0	102.3	431	WALLING1TSTK	14B	FIX	



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	262.9	256.0	102.3	464	SGTN5TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	262.9	256.0	102.3	467	NORSING1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	262.9	256.0	102.3	468	SINGDEV1	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	260.5	256.0	102.3	14	1070+1490LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	260.5	256.0	102.3	29	1235LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	260.5	256.0	102.3	68	1560LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	260.5	256.0	102.3	175	88003ALINE-3	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	260.5	256.0	102.3	183	89003BLINE-3	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	260.5	256.0	102.3	254	1470-1565DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	260.5	256.0	102.3	302	310-383DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	260.5	256.0	102.3	384	NWALLING1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	260.5	256.0	102.3	393	PEACEABLE1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	250.9	256.0	102.3	351	DEVON24TSTK	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	266.5	256.0	102.3	215	364+AUTO	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	255.9	256.0	102.3	425	STEVENSNSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	255.9	256.0	102.3	430	TRIANGLE4T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	255.9	256.0	102.3	477	NEWDEV2	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	262.9	256.0	102.2	81	1618LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	262.9	256.0	102.2	145	1876LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	262.9	256.0	102.2	247	1261-1620DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	262.9	256.0	102.2	331	BOKUM1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	262.9	256.0	102.2	380	HADDAMBT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	262.9	256.0	102.2	442	WESTON1T	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	260.5	256.0	102.2	9	1000LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	260.5	256.0	102.2	67	1550+1950LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	260.5	256.0	102.2	156	8100LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	260.5	256.0	102.2	157	8200LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	260.5	256.0	102.2	159	8400LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	260.5	256.0	102.2	195	318LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	260.5	256.0	102.2	229	1000-1090DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	260.5	256.0	102.2	320	ALLINGS1TSTK	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

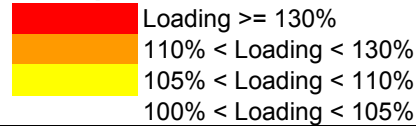
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	260.5	256.0	102.2	321	ALLINGS2TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	260.5	256.0	102.2	367	GRNDAV1TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	260.5	256.0	102.2	369	GRNDAV3TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	260.5	256.0	102.2	451	NOMNTSTBKR	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	260.5	256.0	102.2	452	NMSTBKREAC	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	266.5	256.0	102.2	212	353N+AUTO	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	266.5	256.0	102.2	300	1767-353NDCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	255.9	256.0	102.2	243	1163-1550D-2	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	255.9	256.0	102.2	285	1800-1810DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	255.9	256.0	102.2	421	SOTHNGTN24T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	255.9	256.0	102.2	424	SOTHNGTN28T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	257.3	256.0	102.1	325	BATESROCK1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	257.3	256.0	102.1	401	QUINIPACST1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	257.3	256.0	102.1	425	TRIANGLE3T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	262.9	256.0	102.1	65	1545+SPS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	262.9	256.0	102.1	305	310-368DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	260.5	256.0	102.1	3	400LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	260.5	256.0	102.1	8	694LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	260.5	256.0	102.1	32	1250LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	260.5	256.0	102.1	37	1280LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	260.5	256.0	102.1	163	8804ALINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	260.5	256.0	102.1	166	8904BLINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	260.5	256.0	102.1	210	362LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	260.5	256.0	102.1	458	SGTN3TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	260.5	256.0	102.1	459	SGTN4TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	257.3	256.0	102.0	260	1570-1575DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	257.3	256.0	102.0	282	1800-1825DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	257.3	256.0	102.0	338	COLONY1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	262.9	256.0	102.0	38	1300LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	262.9	256.0	102.0	43	ONE1385	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	262.9	256.0	102.0	103	1730CLINE	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

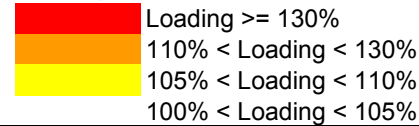


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	262.9	256.0	102.0	216	368LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	262.9	256.0	102.0	400	PEQUON32TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	262.9	256.0	102.0	469	SINGERSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	260.5	256.0	102.0	5	667-690LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	260.5	256.0	102.0	79	1607LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	260.5	256.0	102.0	80	1610LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	260.5	256.0	102.0	112	1760LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	260.5	256.0	102.0	171	84004LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	260.5	256.0	102.0	232	1070-108DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	260.5	256.0	102.0	333	BRANFRDRR1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	255.9	256.0	102.0	261	1505-1607DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	255.9	256.0	102.0	263	1560-1570DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	255.9	256.0	102.0	385	MIXAVE1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	257.3	256.0	101.9	176	88005ALINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	257.3	256.0	101.9	358	DEVSWST4TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	257.3	256.0	101.9	403	SACKETST1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	247.6	256.0	101.9	221	393LINE	11B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	262.9	256.0	101.9	31	1238+1813LNS	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	262.9	256.0	101.9	354	DEVON23TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	262.9	256.0	101.9	356	DEVON25TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	251.7	256.0	101.9	250	1310-1763DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	260.5	256.0	101.9	35	1272LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	260.5	256.0	101.9	53	1445LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	260.5	256.0	101.9	55	1460LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	260.5	256.0	101.9	63	1537LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	260.5	256.0	101.9	72	1572+1772LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	260.5	256.0	101.9	75	1585LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	260.5	256.0	101.9	88	1640LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	260.5	256.0	101.9	102	1730BLINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	260.5	256.0	101.9	144	1870LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	260.5	256.0	101.9	147	1887LINE	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

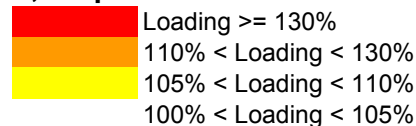


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	158	8300LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	164	8809ALINE-1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	167	8909BLINE-1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	191	310LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	192	312LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	193	312+393LNS	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	194	312+393REAC	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	261.0	260.5	256.0	101.9	205	352LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.8	260.5	256.0	101.9	218	383LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	265	1580-1730BDC	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.8	260.5	256.0	101.9	308	SOUTH1XAUTO	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	346	DEVON8TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	347	DEVON10TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	354	DEVON27TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	261.0	260.5	256.0	101.9	368	GRNDV2TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	409	SOTHNGTN12T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.8	260.5	256.0	101.9	411	SOTHNGTN14T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.8	260.5	256.0	101.9	429	WALLING3TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.9	260.5	256.0	101.9	440	WOODMNT2TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	257.3	256.0	101.8	371	GRNDV5TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	257.3	256.0	101.8	372	GRNDV6TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.7	257.3	256.0	101.8	374	GREENHLL2T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	257.3	256.0	101.8	380	MLLRVR2TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	262.9	256.0	101.8	99	1722LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	6	689LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	7	693LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	12	1060LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	13	1070LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	16	1090LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	17	1100LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.7	260.5	256.0	101.8	23	1191LINE	18B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	24	1200LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	27	1208LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	34	1270LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	40	1337LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	46	1394LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	47	1410LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.7	260.5	256.0	101.8	50	1440LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	51	1443LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	56	1466LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	58	1490LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	74	1580LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	76	1588LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	77	1594LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	89	1655LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	90	1668LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	91	1670LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	92	1675LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	93	1685LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	95	1704LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	97	1720LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	98	1721LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	105	1740LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	109	1753LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	110	1756LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	111	1759LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	115	1765LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	117	1767LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	118	1769LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	120	1771LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	125	1779LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	129	1785LINE	18B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	130	1786LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	131	1788LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	133	1792LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	139	1825LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	140	1830LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	141	1835LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	149	1900LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	151	1921LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	155	1990LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	160	8500LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	162	8700LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	169	9500LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	170	9502LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	260.5	256.0	101.8	173	88003ALINE-1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	177	88005ALINE-1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	260.5	256.0	101.8	181	89003BLINE-1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	184	89005BLINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	185	89005BLINE-1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	231	1060-1270DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	253	1440-1450DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	260.5	256.0	101.8	271	1670-1771DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	318	LOSSNOR1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	319	LOSSNOR2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	260.5	256.0	101.8	331	BRANFORD2T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	332	BRANFORD4T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	343	DEVON4TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	260.5	256.0	101.8	348	DEVON11TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	349	DEVON12TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	260.5	256.0	101.8	364	FROSTBR27T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	260.5	256.0	101.8	412	SOTHNGTN15T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	260.5	256.0	101.8	430	WALLING4TSTK	18B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	431	WALLING5TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	432	WATERST1TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.6	260.5	256.0	101.8	433	WATERST2TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	461	SGTN6TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	468	SNG-PEQTAP	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.8	472	NEWDEV1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.7	266.5	256.0	101.8	458	SCOVKR5TSTK	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	257.3	256.0	101.7	59	1500LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	257.3	256.0	101.7	60	1505LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	257.3	256.0	101.7	78	1605LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	257.3	256.0	101.7	235	1100-1200DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	257.3	256.0	101.7	245	1280-1870DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	257.3	256.0	101.7	247	1355-1610DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	257.3	256.0	101.7	326	BECONFLSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	257.3	256.0	101.7	355	DEVSWST1TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	257.3	256.0	101.7	357	DEVSWST3TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	257.3	256.0	101.7	410	SOTHNGTN13T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	262.9	256.0	101.7	84	1622LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	262.9	256.0	101.7	272	1622-1887DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	262.9	256.0	101.7	409	SHEPAUG13A	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	1	100LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	10	1050LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	20	1163LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	22	1165LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	25	1206LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	26	1207LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	33	1261LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	39	1310LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	54	1450LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	61	1508LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	62	1515LINE	18B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

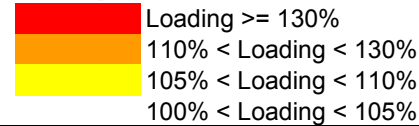
Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	66	1550LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	71	1572LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	82	1620SLINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	83	1620NLINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	85	1625LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	107	1751LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	108	1752LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	114	1763LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	116	1766LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	121	1772LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	122	1773LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	123	1775LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	124	1777LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	127	1783LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	128	1784LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	134	1800-1860LNS	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	135	1810LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	150	1910LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	152	1950LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	153	1975LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	161	8600LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	190	301-302LNS	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	216	381LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	217	381LREAC	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	230	1060-1165DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	233	1080-1280DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	266	1620-1975DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	280	1777-1779DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.5	260.5	256.0	101.7	306	MANCHAUTO1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	309	SOUTH2XAUTO	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	260.5	256.0	101.7	363	FROSTBR21T	18B	FIX



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

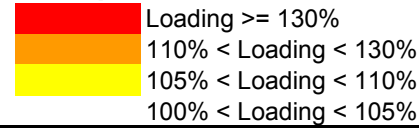


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.3	260.5	256.0	101.7	375	HADDAMAT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	424	TRIANGLE2T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	428	WALLING2TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	260.5	256.0	101.7	466	orang-eshr	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.4	255.9	256.0	101.7	329	BATESROCK1T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	257.3	256.0	101.6	249	1394-1515DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	257.3	256.0	101.6	379	MLLRVR1TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	257.3	256.0	101.6	414	SOTHNGTN20T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.1	257.3	256.0	101.6	470	DEV-XFR	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.1	262.9	256.0	101.6	136	1813LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	262.9	256.0	101.6	200	347LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	262.9	256.0	101.6	201	347LREAC	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	70	1570LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.1	260.5	256.0	101.6	104	1732LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	138	1821LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	142	1836LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.1	260.5	256.0	101.6	145	1876LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.1	260.5	256.0	101.6	197	329LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.1	260.5	256.0	101.6	240	1207-1775DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	260.5	256.0	101.6	241	1208-1640DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	261	1570-1580DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	278	1751-1777DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	260.5	256.0	101.6	330	BRANFORD1T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	345	DEVON7TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	260.5	256.0	101.6	402	ROCKRIVER1T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.2	260.5	256.0	101.6	418	SOTHNGTN25T	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	260.0	260.5	256.0	101.6	463	NORSING1	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	259.8	257.3	256.0	101.5	42	1355LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	259.8	257.3	256.0	101.5	94	1690LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	259.8	257.3	256.0	101.5	179	88006ALINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	259.9	257.3	256.0	101.5	188	89006BLINE-1	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

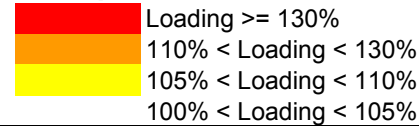


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	257.3	256.0	101.5	205	352LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	257.3	256.0	101.5	244	1272-1721DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	257.3	256.0	101.5	272	1670-1830DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	257.3	256.0	101.5	334	BROADWYST1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	257.3	256.0	101.5	336	BUNKERH2T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	257.3	256.0	101.5	356	DEVSWST2TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	257.3	256.0	101.5	370	GRNDAV4TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	257.3	256.0	101.5	373	GRNDAV7TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	257.3	256.0	101.5	378	JUNEST1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	257.3	256.0	101.5	413	SOTHNGTN16T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	262.9	256.0	101.5	262	1545-1570DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	262.9	256.0	101.5	348	DEVON6TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	262.9	256.0	101.5	466	SGTN7TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	4	500LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	41	1342LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	86	1630LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	260.5	256.0	101.5	100	1726LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	178	88005ALINE-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.0	260.5	256.0	101.5	186	89005BLINE-2	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	260.5	256.0	101.5	328	BOKUM2T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	260.5	256.0	101.5	329	BOKUM3T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	383	NOHAVN2TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	427	WALLING1TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	260.5	256.0	101.5	464	SINGDEV1	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.0	250.9	256.0	101.5	246	1310-1763DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	266.5	256.0	101.5	57	1470LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	266.5	256.0	101.5	260	1470-1720DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	266.5	256.0	101.5	389	NORWALKST1	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	255.9	256.0	101.5	342	COLONY1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	255.9	256.0	101.5	427	TRPFALLST1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	257.3	256.0	101.4	113	1760+1876LNS	10B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

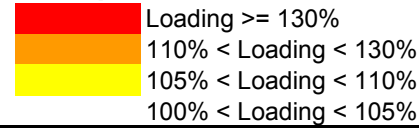


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.4	119	1770LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	257.3	256.0	101.4	174	88003ALINE-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	257.3	256.0	101.4	182	89003BLINE-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.4	254	1470-1565DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	257.3	256.0	101.4	323	BAIRDASTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	257.3	256.0	101.4	359	EMERIDEN1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.4	393	PEACEABLE1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.4	398	PLUMTREE25T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.4	399	PLUMTREE28T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.4	435	WBROOKFLD1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	257.3	256.0	101.4	473	NEWDEV2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	262.9	256.0	101.4	30	1238LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	262.9	256.0	101.4	309	371-383DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	262.9	256.0	101.4	314	LOSSBPT3	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	262.9	256.0	101.4	357	DEVON26TSTK	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	260.5	256.0	101.4	15	1080LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	260.5	256.0	101.4	64	1545LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	260.5	256.0	101.4	81	1618LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	260.5	256.0	101.4	234	1080-1490DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	260.5	256.0	101.4	438	WESTON1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	260.5	256.0	101.4	460	SGTN5TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	260.5	256.0	101.4	465	SINGERSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	266.5	256.0	101.4	106	1750LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	255.9	256.0	101.4	249	1280-1870DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	255.9	256.0	101.4	264	1570-1575DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	255.9	256.0	101.4	286	1800-1825DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	255.9	256.0	101.4	405	QUINIPACST1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	255.9	256.0	101.4	429	TRIANGLE3T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	257.3	256.0	101.3	36	1272+1445LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	257.3	256.0	101.3	137	1820LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	257.3	256.0	101.3	187	89006BLINE	10B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

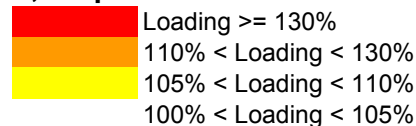


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	257.3	256.0	101.3	262	1575-1585DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	257.3	256.0	101.3	264	1580-1585DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	257.3	256.0	101.3	283	1810-1825DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	257.3	256.0	101.3	324	BAIRDBSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	257.3	256.0	101.3	337	BUNKERH3T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	257.3	256.0	101.3	382	NOHAVN1TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	257.3	256.0	101.3	408	SNAUGA1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	257.3	256.0	101.3	416	SOTHNGTN23T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	262.9	256.0	101.3	87	1637LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	262.9	256.0	101.3	217	371LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	262.9	256.0	101.3	304	310-348DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	262.9	256.0	101.3	311	PLUMAUT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	260.5	256.0	101.3	212	368LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	260.5	256.0	101.3	221	393LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	260.5	256.0	101.3	301	310-368DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	266.5	256.0	101.3	396	OLDTOWNST	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	255.9	256.0	101.3	258	1470-1565DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	255.9	256.0	101.3	378	GREENHLL2T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	255.9	256.0	101.3	397	PEACEABLE1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	255.9	256.0	101.3	407	SACKETST1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	255.9	256.0	101.3	443	WOODMNT1TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	257.3	256.0	101.2	52	1443+1759LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	73	1575LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	126	1780LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	132	1790LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	257.3	256.0	101.2	165	8809ALINE-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	257.3	256.0	101.2	168	8909BLINE-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	172	88003ALINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	180	89003BLINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	270	1668-1721DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	277	1732-1788DCT	10B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	335	BUNKERH1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	257.3	256.0	101.2	415	SOTHNGTN22T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	257.3	256.0	101.2	436	WRIVER1TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	257.3	256.0	101.2	437	WRIVER2TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	257.3	256.0	101.2	471	ESHR-XFR	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	262.9	256.0	101.2	204	348+AUTO	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	262.9	256.0	101.2	218	371+AUTO	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	262.9	256.0	101.2	308	362-376DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	262.9	256.0	101.2	315	LOSSDEV7	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	260.5	256.0	101.2	31	1238+1813LNS	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	260.5	256.0	101.2	43	ONE1385	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	260.5	256.0	101.2	243	1261-1620DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	260.5	256.0	101.2	327	BOKUM1T	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	260.5	256.0	101.2	376	HADDAMBT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	255.9	256.0	101.2	59	1500LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	255.9	256.0	101.2	78	1605LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	255.9	256.0	101.2	239	1100-1200DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.0	255.9	256.0	101.2	475	ESHR-XFR	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	257.3	256.0	101.1	2	100+400LINES	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	257.3	256.0	101.1	11	1050+1766LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	257.3	256.0	101.1	21	1163+1910LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	257.3	256.0	101.1	175	88003ALINE-3	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	257.3	256.0	101.1	183	89003BLINE-3	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	257.3	256.0	101.1	236	1100-1300DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	257.3	256.0	101.1	362	FROSTBR15T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	257.3	256.0	101.1	377	HAWTHORNST	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	257.3	256.0	101.1	419	SOTHNGTN26T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	262.9	256.0	101.1	203	348LINE	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	262.9	256.0	101.1	271	1975-348DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	262.9	256.0	101.1	273	1637-1720DCT	14B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	262.9	256.0	101.1	461	SGTN1TSTK	14B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.8	260.5	256.0	101.1	38	1300LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.8	260.5	256.0	101.1	65	1545+SPS	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.7	260.5	256.0	101.1	215	376LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.9	255.9	256.0	101.1	60	1505LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.8	255.9	256.0	101.1	113	1760+1876LNS	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.8	255.9	256.0	101.1	330	BECONFLSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.7	255.9	256.0	101.1	403	PLUMTREE28T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	257.3	256.0	101.0	14	1070+1490LNS	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	257.3	256.0	101.0	29	1235LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.5	257.3	256.0	101.0	68	1560LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	257.3	256.0	101.0	195	318LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	257.3	256.0	101.0	263	1575-199DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	257.3	256.0	101.0	320	ALLINGS1TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	257.3	256.0	101.0	321	ALLINGS2TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.4	257.3	256.0	101.0	369	GRNDAV3TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.5	257.3	256.0	101.0	384	NWALLING1T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.5	247.6	256.0	101.0	351	DEVON24TSTK	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.4	255.9	256.0	101.0	94	1690LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.7	255.9	256.0	101.0	119	1770LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	255.9	256.0	101.0	251	1355-1610DCT	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	255.9	256.0	101.0	253	1394-1515DCT	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.5	255.9	256.0	101.0	276	1670-1830DCT	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	255.9	256.0	101.0	384	MLLRVR2TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.7	255.9	256.0	101.0	402	PLUMTREE25T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	255.9	256.0	101.0	414	SOTHNGTN13T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.5	255.9	256.0	101.0	417	SOTHNGTN16T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.6	255.9	256.0	101.0	418	SOTHNGTN20T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.7	255.9	256.0	101.0	439	WBROOKFLD1T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.2	257.3	256.0	100.9	8	694LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.3	257.3	256.0	100.9	9	1000LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115 1	LN		258.4	257.3	256.0	100.9	67	1550+1950LNS	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

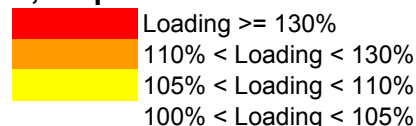
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	257.3	256.0	100.9	156	8100LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	257.3	256.0	100.9	157	8200LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	257.3	256.0	100.9	159	8400LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	257.3	256.0	100.9	163	8804ALINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	257.3	256.0	100.9	166	8904BLINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	257.3	256.0	100.9	210	362LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	257.3	256.0	100.9	229	1000-1090DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	257.3	256.0	100.9	367	GRNDAV1TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	257.3	256.0	100.9	458	SGTN3TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	257.3	256.0	100.9	459	SGTN4TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	260.5	256.0	100.9	99	1722LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	260.5	256.0	100.9	103	1730CLINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	260.5	256.0	100.9	136	1813LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	260.5	256.0	100.9	268	1622-1887DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	260.5	256.0	100.9	305	371-383DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	260.5	256.0	100.9	396	PEQUON32TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	260.5	256.0	100.9	405	SHEPAUG13A	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	260.5	256.0	100.9	462	SGTN7TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	255.9	256.0	100.9	42	1355LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	255.9	256.0	100.9	126	1780LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	255.9	256.0	100.9	132	1790LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	255.9	256.0	100.9	248	1272-1721DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	255.9	256.0	100.9	306	310-383DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	255.9	256.0	100.9	338	BROADWYST1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	255.9	256.0	100.9	340	BUNKERH2T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	255.9	256.0	100.9	363	EMERIDEN1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	255.9	256.0	100.9	383	MLLRVR1TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.0	257.3	256.0	100.8	3	400LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.0	257.3	256.0	100.8	32	1250LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	251.7	256.0	100.8	283	1770-1887DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	251.7	256.0	100.8	426	STONYHILL1T	15B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.1	260.5	256.0	100.8	84	1622LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.0	260.5	256.0	100.8	350	DEVON23TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.0	260.5	256.0	100.8	352	DEVON25TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	255.9	256.0	100.8	137	1820LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.0	255.9	256.0	100.8	176	88005ALINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.2	255.9	256.0	100.8	179	88006ALINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.2	255.9	256.0	100.8	188	89006BLINE-1	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.0	255.9	256.0	100.8	281	1732-1788DCT	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.0	255.9	256.0	100.8	327	BAIRDASTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	258.0	255.9	256.0	100.8	362	DEVSWST4TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	255.9	256.0	100.8	382	JUNEST1	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.8	257.3	256.0	100.7	5	667-690LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.8	257.3	256.0	100.7	37	1280LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	72	1572+1772LNS	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	79	1607LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	257.3	256.0	100.7	80	1610LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	102	1730BLINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	257.3	256.0	100.7	164	8809ALINE-1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	257.3	256.0	100.7	167	8909BLINE-1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.8	257.3	256.0	100.7	171	84004LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	216	381LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	217	381LREAC	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	232	1070-1080DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	265	1580-1730BDC	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	333	BRANFRDRR1T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	346	DEVON8TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	347	DEVON10TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	257.3	256.0	100.7	354	DEVON27TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.7	257.3	256.0	100.7	368	GRNDAV2TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	257.3	256.0	100.7	440	WOODMNT2TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.9	247.6	256.0	100.7	469	SNGPEQ-XFR	11B	FIX



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	251.7	256.0	100.7	430	TRIANGLE4T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	260.5	256.0	100.7	30	1238LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	260.5	256.0	100.7	206	352+AUTO	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	260.5	256.0	100.7	300	310-348DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	260.5	256.0	100.7	303	329-352DCT	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	255.9	256.0	100.7	36	1272+1445LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	255.9	256.0	100.7	52	1443+1759LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	255.9	256.0	100.7	266	1575-1585DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	255.9	256.0	100.7	267	1575-1990DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	255.9	256.0	100.7	268	1580-1585DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	255.9	256.0	100.7	287	1810-1825DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	255.9	256.0	100.7	341	BUNKERH3T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	255.9	256.0	100.7	366	FROSTBR15T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	255.9	256.0	100.7	375	GRNDAV5TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	255.9	256.0	100.7	376	GRNDAV6TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	255.9	256.0	100.7	412	SNAUGA1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	255.9	256.0	100.7	419	SOTHNGTN22T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	255.9	256.0	100.7	420	SOTHNGTN23T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	35	1272LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	53	1445LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	257.3	256.0	100.6	55	1460LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	257.3	256.0	100.6	63	1537LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	75	1585LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	257.3	256.0	100.6	88	1640LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	93	1685LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	257.3	256.0	100.6	144	1870LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	158	8300LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	177	88005ALINE-1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	257.3	256.0	100.6	184	89005BLINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	185	89005BLINE-1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	257.3	256.0	100.6	191	310LINE	10B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

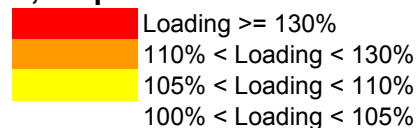
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	308	SOUTH1XAUTO	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	257.3	256.0	100.6	409	SOTHNGTN12T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	257.3	256.0	100.6	411	SOTHNGTN14T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	257.3	256.0	100.6	429	WALLING3TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	251.7	256.0	100.6	243	1163-1550D-2	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	251.7	256.0	100.6	285	1800-1810DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	251.7	256.0	100.6	421	SOTHNGTN24T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	251.7	256.0	100.6	424	SOTHNGTN28T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	260.5	256.0	100.6	204	348+AUTO	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	260.5	256.0	100.6	213	371LINE	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	250.9	256.0	100.6	279	1770-1887DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	250.9	256.0	100.6	422	STONYHILL1T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	2	100+400LINES	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	11	1050+1766LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	255.9	256.0	100.6	21	1163+1910LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	255.9	256.0	100.6	73	1575LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	165	8809ALINE-2	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	168	8909BLINE-2	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	195	318LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	255.9	256.0	100.6	240	1100-1300DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	255.9	256.0	100.6	274	1668-1721DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	255.9	256.0	100.6	339	BUNKERH1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	359	DEVSWST1TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	255.9	256.0	100.6	361	DEVSWST3TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	255.9	256.0	100.6	423	SOTHNGTN26T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	257.3	256.0	100.5	1	100LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	257.3	256.0	100.5	6	689LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	257.3	256.0	100.5	7	693LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	257.3	256.0	100.5	12	1060LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	257.3	256.0	100.5	13	1070LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	257.3	256.0	100.5	16	1090LINE	10B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	17	1100LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	22	1165LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	23	1191LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	24	1200LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	25	1206LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	26	1207LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	27	1208LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	34	1270LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	39	1310LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	40	1337LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	46	1394LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	47	1410LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	257.3	256.0	100.5	50	1440LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	51	1443LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	54	1450LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	56	1466LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	58	1490LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	74	1580LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	76	1588LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	77	1594LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	83	1620LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	89	1655LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	90	1668LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	91	1670LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	92	1675LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	95	1704LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	98	1721LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	105	1740LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	107	1751LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	109	1753LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	110	1756LINE	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

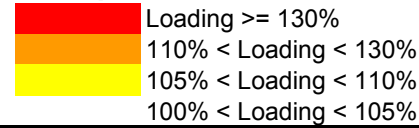
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	111	1759LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	112	1760LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	114	1763LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	115	1765LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	116	1766LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	117	1767LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	118	1769LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	120	1771LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	121	1772LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	123	1775LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	125	1779LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	129	1785LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	130	1786LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	131	1788LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	133	1792LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	134	1800-1860LNS	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	139	1825LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	140	1830LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	141	1835LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	257.3	256.0	100.5	147	1887LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	149	1900LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	151	1921LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	155	1990LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	160	8500LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	162	8700LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	169	9500LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	170	9502LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	257.3	256.0	100.5	173	88003ALINE-1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	257.3	256.0	100.5	181	89003BLINE-1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	231	1060-1270DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	253	1440-1450DCT	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

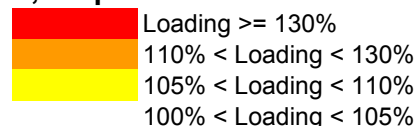


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	271	1670-1771DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	257.3	256.0	100.5	302	310-383DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	306	MANCHAUTO1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	318	LOSSNOR1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	319	LOSSNOR2	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	257.3	256.0	100.5	331	BRANFORD2T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	332	BRANFORD4T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	343	DEVON4TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	348	DEVON11TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	349	DEVON12TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	364	FROSTBR27T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	412	SOTHNGTN15T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	424	TRIANGLE2T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	430	WALLING4TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	431	WALLING5TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	432	WATERST1TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	433	WATERST2TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	257.3	256.0	100.5	461	SGTN6TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	468	SNG-PEQTAP	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	257.3	256.0	100.5	472	NEWDEV1	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	262.9	256.0	100.5	57	1470LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	262.9	256.0	100.5	215	364+AUTO	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	262.9	256.0	100.5	454	MONTVSTBKR	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	251.7	256.0	100.5	385	MIXAVE1	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	251.7	256.0	100.5	477	NEWDEV2	15B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	260.5	256.0	100.5	87	1637LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	260.5	256.0	100.5	203	348LINE	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	260.5	256.0	100.5	214	371+AUTO	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	260.5	256.0	100.5	267	1975-348DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	260.5	256.0	100.5	269	1637-1720DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	260.5	256.0	100.5	397	PEQUON42TSTK	18B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

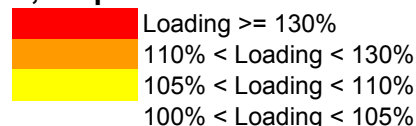


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	260.5	256.0	100.5	457	SGTN1TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	250.9	256.0	100.5	200	347LINE	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.4	250.9	256.0	100.5	201	347LREAC	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	266.5	256.0	100.5	28	1222LINE	22B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	255.9	256.0	100.5	14	1070+1490LNS	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	255.9	256.0	100.5	29	1235LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	255.9	256.0	100.5	360	DEVSWS2TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.3	255.9	256.0	100.5	381	HAWTHORNST	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	255.9	256.0	100.5	388	NWALLING1T	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	255.9	256.0	100.5	462	SGTN3TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.2	255.9	256.0	100.5	463	SGTN4TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	10	1050LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	20	1163LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	33	1261LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.9	257.3	256.0	100.4	61	1508LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	62	1515LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	66	1550LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	71	1572LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	82	1620SLINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	85	1625LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	108	1752LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	124	1777LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.9	257.3	256.0	100.4	127	1783LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	135	1810LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	150	1910LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	152	1950LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	153	1975LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.1	257.3	256.0	100.4	161	8600LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	230	1060-1165DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.9	257.3	256.0	100.4	233	1080-1280DCT	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	257.0	257.3	256.0	100.4	241	1208-1640DCT	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

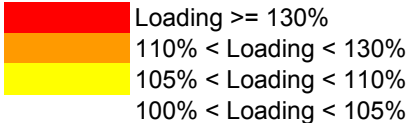


Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	257.3	256.0	100.4	266	1620-1975DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	257.3	256.0	100.4	280	1777-1779DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	257.3	256.0	100.4	309	SOUTH2XAUTO	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	257.3	256.0	100.4	375	HADDAMAT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	257.3	256.0	100.4	418	SOTHNGTN25T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	257.3	256.0	100.4	428	WALLING2TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	257.3	256.0	100.4	466	orang-eshr	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	251.7	256.0	100.4	261	1505-1607DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	251.7	256.0	100.4	263	1560-1570DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	251.7	256.0	100.4	425	STEVENSNSTK	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	250.9	256.0	100.4	426	TRIANGLE4T	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	266.5	256.0	100.4	198	330LINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	266.5	256.0	100.4	446	CARD1TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	266.5	256.0	100.4	449	CARD3TSTK	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	255.9	256.0	100.4	9	1000LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	255.9	256.0	100.4	67	1550+1950LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	255.9	256.0	100.4	214	362LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	255.9	256.0	100.4	233	1000-1090DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	255.9	256.0	100.4	299	1759-353NDCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	4	500LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	70	1570LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	97	1720LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	122	1773LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	257.3	256.0	100.3	128	1784LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	138	1821LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	142	1836LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	257.3	256.0	100.3	178	88005ALINE-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	257.3	256.0	100.3	186	89005BLINE-2	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	257.3	256.0	100.3	240	1207-1775DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	257.3	256.0	100.3	261	1570-1580DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	257.3	256.0	100.3	278	1751-1777DCT	10B	FIX	

List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

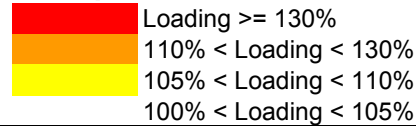


Existing 387 Line  
Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	257.3	256.0	100.3	330	BRANFORD1T	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	257.3	256.0	100.3	345	DEVON7TSTK	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	247.6	256.0	100.3	246	1310-1763DCT	11B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	262.9	256.0	100.3	260	1470-1720DCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	262.9	256.0	100.3	299	1759-353NDCT	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	262.9	256.0	100.3	389	NORWALKST1	14B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.9	260.5	256.0	100.3	258	1545-1570DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	260.5	256.0	100.3	295	1759-353DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	260.5	256.0	100.3	304	362-376DCT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	260.5	256.0	100.3	307	PLUMAUT	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.9	260.5	256.0	100.3	344	DEVON6TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	260.5	256.0	100.3	353	DEVON26TSTK	18B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	250.9	256.0	100.3	239	1163-1550D-2	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	250.9	256.0	100.3	281	1800-1810DCT	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	250.9	256.0	100.3	417	SOTHNGTN24T	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	250.9	256.0	100.3	420	SOTHNGTN28T	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	250.9	256.0	100.3	421	STEVENSNSTK	19B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	255.9	256.0	100.3	3	400LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	8	694LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	255.9	256.0	100.3	32	1250LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	255.9	256.0	100.3	37	1280LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.9	255.9	256.0	100.3	159	8400LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	174	88003ALINE-2	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	182	89003BLINE-2	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	222	383LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.7	255.9	256.0	100.3	373	GRNDAV3TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	374	GRNDAV4TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	377	GRNDAV7TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.8	255.9	256.0	100.3	474	DEV-XFR	23B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.4	257.3	256.0	100.2	15	1080LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL 115	1	LN	256.5	257.3	256.0	100.2	41	1342LINE	10B	FIX



List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B



Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	86	1630LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	100	1726LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	257.3	256.0	100.2	104	1732LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	190	301-302LNS	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	257.3	256.0	100.2	197	329LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	218	383LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	328	BOKUM2T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	329	BOKUM3T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	257.3	256.0	100.2	363	FROSTBR21T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	383	NOHAVN2TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	257.3	256.0	100.2	402	ROCKRIVER1T	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	257.3	256.0	100.2	427	WALLING1TSTK	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	260.5	256.0	100.2	311	LOSSDEV7	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	260.5	256.0	100.2	444	CARD2TSTK	18B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	266.5	256.0	100.2	208	353SLINE	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.2	5	667-690LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.2	68	1560LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.2	88	1640LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.2	112	1760LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	255.9	256.0	100.2	144	1870LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	255.9	256.0	100.2	147	1887LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	255.9	256.0	100.2	156	8100LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	255.9	256.0	100.2	157	8200LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	255.9	256.0	100.2	187	89006BLINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	255.9	256.0	100.2	205	352LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	255.9	256.0	100.2	236	1070-1080DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	255.9	256.0	100.2	328	BAIRDBSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	255.9	256.0	100.2	364	ESHORE12TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.2	368	FROSTBR27T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	255.9	256.0	100.2	371	GRNDAV1TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	255.9	256.0	100.2	386	NOHAVN1TSTK	23B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	257.3	256.0	100.1	64	1545LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	257.3	256.0	100.1	145	1876LINE	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	257.3	256.0	100.1	234	1080-1490DCT	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	257.3	256.0	100.1	464	SINGDEV1	10B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	251.7	256.0	100.1	258	1470-1565DCT	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	251.7	256.0	100.1	397	PEACEABLE1T	15B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	250.9	256.0	100.1	257	1505-1607DCT	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	250.9	256.0	100.1	381	MIXAVE1	19B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	266.5	256.0	100.1	259	1470-1637DCT	22B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.1	72	1572+1772LNS	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	79	1607LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.1	102	1730BLINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.1	155	1990LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	164	8809ALINE-1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	167	8909BLINE-1	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	171	84004LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	172	88003ALINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	255.9	256.0	100.1	175	88003ALINE-3	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	180	89003BLINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	255.9	256.0	100.1	183	89003BLINE-3	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	191	310LINE	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	245	1208-1640DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	255.9	256.0	100.1	269	1580-1730BDC	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	275	1670-1771DCT	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	255.9	256.0	100.1	312	SOUTH1XAUTO	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	337	BRANFRDRR1T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.1	350	DEVON8TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	255.9	256.0	100.1	351	DEVON10TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	372	GRNDAV2TSTK	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	415	SOTHNGTN14T	23B	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	255.9	256.0	100.1	416	SOTHNGTN15T	23B	FIX	

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	255.9	256.0	100.1	440	WRIVER1TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	255.9	256.0	100.1	441	WRIVER2TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	257.3	256.0	100.0	81	1618LINE	10B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	262.9	256.0	100.0	106	1750LINE	14B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	251.7	256.0	100.0	329	BATESROCK1T	15B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	260.5	256.0	100.0	450	MONTVSTBKR	18B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	23	1191LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	35	1272LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	255.9	256.0	100.0	50	1440LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	53	1445LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	75	1585LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	80	1610LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	255.9	256.0	100.0	111	1759LINE	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	358	DEVON27TSTK	23B	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	255.9	256.0	100.0	413	SOTHNGTN12T	23B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	286.9	168.5	253.0	113.4	368	FROSTBR27T	17B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	286.3	167.1	253.0	113.2	368	FROSTBR27T	14B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	279.3	165.1	253.0	110.4	368	FROSTBR27T	25B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	278.9	163.8	253.0	110.2	368	FROSTBR27T	22B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	267.4	157.6	253.0	105.7	364	FROSTBR27T	13B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	267.0	156.3	253.0	105.5	364	FROSTBR27T	10B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	260.3	154.5	253.0	102.9	364	FROSTBR27T	21B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	259.8	153.2	253.0	102.7	364	FROSTBR27T	18B	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	253.8	167.1	253.0	100.3	224	387LINE	14B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	149.4	22.0	112.0	133.4	248	1272-1721DCT	25B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	149.3	25.2	112.0	133.3	248	1272-1721DCT	17B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	147.9	17.3	112.0	132.1	244	1272-1721DCT	13B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	147.9	14.1	112.0	132.1	244	1272-1721DCT	21B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	147.2	27.1	112.0	131.4	248	1272-1721DCT	14B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	147.0	24.1	112.0	131.3	248	1272-1721DCT	22B	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	145.5	19.4	112.0	129.9	244	1272-1721DCT	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	145.5	16.4	112.0	129.9	244	1272-1721DCT	18B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	143.4	10.5	112.0	128.1	248	1272-1721DCT	15B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	143.5	10.1	112.0	128.1	248	1272-1721DCT	23B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.9	13.1	112.0	127.6	244	1272-1721DCT	11B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.9	14.6	112.0	127.6	244	1272-1721DCT	19B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.2	23.0	112.0	127.0	248	1272-1721DCT	16B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.2	25.0	112.0	127.0	248	1272-1721DCT	24B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.7	29.9	112.0	126.5	244	1272-1721DCT	12B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.7	32.3	112.0	126.5	244	1272-1721DCT	20B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	123.0	25.2	112.0	109.8	340	BUNKERH2T	17B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	122.9	22.0	112.0	109.7	340	BUNKERH2T	25B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	121.5	17.3	112.0	108.5	336	BUNKERH2T	13B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	121.6	14.1	112.0	108.5	336	BUNKERH2T	21B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.9	27.1	112.0	107.9	340	BUNKERH2T	14B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.8	24.1	112.0	107.9	340	BUNKERH2T	22B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.9	16.4	112.0	105.3	336	BUNKERH2T	18B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.7	19.4	112.0	105.1	336	BUNKERH2T	10B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.5	10.5	112.0	104.9	340	BUNKERH2T	15B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.3	10.1	112.0	104.7	340	BUNKERH2T	23B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.7	13.1	112.0	104.2	336	BUNKERH2T	11B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.7	14.6	112.0	104.2	336	BUNKERH2T	19B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.2	23.0	112.0	103.8	340	BUNKERH2T	16B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.1	32.3	112.0	103.7	336	BUNKERH2T	20B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.0	25.0	112.0	103.6	340	BUNKERH2T	24B	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.4	29.9	112.0	103.1	336	BUNKERH2T	12B	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	299.4	147.9	228.0	131.3	295	1460-387DCT	14B	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	295.8	150.4	228.0	129.8	295	1460-387DCT	17B	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	294.3	147.9	228.0	129.1	224	387LINE	14B	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	292.2	150.4	228.0	128.2	460	SCOVKR8TSTK	17B	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	287.4	150.4	228.0	126.0	224	387LINE	17B	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	286.8	147.9	228.0	125.8	460	SCOVKR8TSTK	14B	FIX		

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	264.7	150.4	228.0	116.1	458	SCOVRK5TSTK	17B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	264.1	147.9	228.0	115.8	458	SCOVRK5TSTK	14B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	253.1	133.3	228.0	111.0	295	1460-387DCT	22B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	251.8	147.9	228.0	110.4	459	SCOVRK7TSTK	14B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	251.6	135.6	228.0	110.3	295	1460-387DCT	25B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	251.1	150.4	228.0	110.1	459	SCOVRK7TSTK	17B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	245.7	133.3	228.0	107.8	224	387LINE	22B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	245.3	135.6	228.0	107.6	224	387LINE	25B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	244.0	133.3	228.0	107.0	460	SCOVRK8TSTK	22B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	243.4	135.6	228.0	106.8	460	SCOVRK8TSTK	25B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	233.6	120.6	228.0	102.5	291	1460-387DCT	10B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	232.5	122.8	228.0	102.0	291	1460-387DCT	13B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	229.0	133.3	228.0	100.4	458	SCOVRK5TSTK	22B	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	228.0	120.6	228.0	100.0	220	387LINE	10B	FIX
73196 GLEN JCT 115	73675 MIX AVE 115	1	LN	181.9	79.2	178.0	102.2	295	1460-387DCT	14B	FIX
73196 GLEN JCT 115	73675 MIX AVE 115	1	LN	178.9	79.2	178.0	100.5	224	387LINE	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	368.1	186.7	330.0	111.5	224	387LINE	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	362.9	187.3	330.0	110.0	460	SCOVRK8TSTK	17B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	358.9	186.7	330.0	108.8	460	SCOVRK8TSTK	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	358.7	187.3	330.0	108.7	224	387LINE	17B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	351.1	186.7	330.0	106.4	295	1460-387DCT	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	345.7	187.3	330.0	104.8	295	1460-387DCT	17B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	334.2	186.7	330.0	101.3	458	SCOVRK5TSTK	14B	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	332.3	187.3	330.0	100.7	458	SCOVRK5TSTK	17B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	467.6	222.9	256.0	182.7	255	1416-1880DCT	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	462.6	219.3	256.0	180.7	255	1416-1880DCT	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	459.1	216.4	256.0	179.3	251	1416-1880DCT	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	455.0	213.2	256.0	177.7	251	1416-1880DCT	10B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	452.6	211.5	256.0	176.8	255	1416-1880DCT	23B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	446.9	207.4	256.0	174.6	255	1416-1880DCT	15B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	445.6	206.3	256.0	174.1	251	1416-1880DCT	19B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	441.5	203.0	256.0	172.4	251	1416-1880DCT	11B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	440.4	222.9	256.0	172.0	292	1880-1977DCT	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	435.5	219.3	256.0	170.1	292	1880-1977DCT	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	431.8	216.4	256.0	168.7	288	1880-1977DCT	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	427.8	213.2	256.0	167.1	288	1880-1977DCT	10B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	425.5	211.5	256.0	166.2	292	1880-1977DCT	23B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	419.8	207.4	256.0	164.0	292	1880-1977DCT	15B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	418.5	206.3	256.0	163.5	288	1880-1977DCT	19B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	414.4	203.0	256.0	161.9	288	1880-1977DCT	11B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	382.1	222.9	256.0	149.3	242	113091001DCT	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	381.5	219.3	256.0	149.0	242	113091001DCT	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	378.1	213.2	256.0	147.7	238	113091001DCT	10B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	378.0	216.4	256.0	147.7	238	113091001DCT	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	375.8	211.5	256.0	146.8	242	113091001DCT	23B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	374.7	207.4	256.0	146.4	242	113091001DCT	15B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	374.5	222.9	256.0	146.3	369	GLENBROOK3T	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	373.2	203.0	256.0	145.8	238	113091001DCT	11B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	373.1	206.3	256.0	145.8	238	113091001DCT	19B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	372.1	222.9	256.0	145.4	146	1880LINE	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	372.1	222.9	256.0	145.4	394	NORWLKHAR4T	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	371.0	222.9	256.0	144.9	390	NORWALKST2	22B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	368.1	219.3	256.0	143.8	369	GLENBROOK3T	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	365.8	219.3	256.0	142.9	146	1880LINE	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	365.8	219.3	256.0	142.9	394	NORWLKHAR4T	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	364.8	216.4	256.0	142.5	365	GLENBROOK3T	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	363.7	219.3	256.0	142.1	390	NORWALKST2	14B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	362.9	216.4	256.0	141.7	146	1880LINE	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	362.9	216.4	256.0	141.7	390	NORWLKHAR4T	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	361.2	216.4	256.0	141.1	386	NORWALKST2	18B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	359.3	213.2	256.0	140.3	365	GLENBROOK3T	10B	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	357.5	213.2	256.0	139.6	146	1880LINE	10B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	357.5	213.2	256.0	139.6	390	NORWLKHAR4T	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	357.1	211.5	256.0	139.5	369	GLENBROOK3T	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	355.6	211.5	256.0	138.9	146	1880LINE	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	355.6	211.5	256.0	138.9	394	NORWLKHAR4T	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.8	213.2	256.0	138.6	386	NORWALKST2	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	353.6	222.9	256.0	138.1	291	1880-1890DCT	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	352.8	211.5	256.0	137.8	390	NORWALKST2	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.0	207.4	256.0	136.7	369	GLENBROOK3T	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.3	219.3	256.0	136.4	291	1880-1890DCT	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.2	222.9	256.0	136.4	241	1130-1430DCT	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.9	219.3	256.0	136.3	241	1130-1430DCT	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.9	206.3	256.0	136.3	365	GLENBROOK3T	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.5	207.4	256.0	136.1	146	1880LINE	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.5	207.4	256.0	136.1	394	NORWLKHAR4T	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.1	216.4	256.0	136.0	287	1880-1890DCT	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.7	206.3	256.0	135.8	146	1880LINE	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.7	206.3	256.0	135.8	390	NORWLKHAR4T	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.2	222.9	256.0	135.2	256	1416-1890DCT	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.9	219.3	256.0	135.1	256	1416-1890DCT	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.5	213.2	256.0	135.0	237	1130-1430DCT	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.1	216.4	256.0	134.8	237	1130-1430DCT	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.7	207.4	256.0	134.6	390	NORWALKST2	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.3	206.3	256.0	134.5	386	NORWALKST2	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.5	213.2	256.0	134.2	287	1880-1890DCT	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.2	211.5	256.0	134.1	241	1130-1430DCT	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.2	203.0	256.0	134.0	365	GLENBROOK3T	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.8	213.2	256.0	133.9	252	1416-1890DCT	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.7	211.5	256.0	133.9	291	1880-1890DCT	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.4	207.4	256.0	133.7	241	1130-1430DCT	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.3	216.4	256.0	133.7	252	1416-1890DCT	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.9	203.0	256.0	133.5	146	1880LINE	11B	FIX		

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.9	203.0	256.0	133.5	390	NORWLKHAR4T	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.0	203.0	256.0	133.2	237	1130-1430DCT	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.5	206.3	256.0	133.0	237	1130-1430DCT	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.4	211.5	256.0	133.0	256	1416-1890DCT	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.7	207.4	256.0	132.7	256	1416-1890DCT	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.3	203.0	256.0	132.2	252	1416-1890DCT	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.3	207.4	256.0	132.2	291	1880-1890DCT	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.1	206.3	256.0	132.1	287	1880-1890DCT	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337.8	206.3	256.0	132.0	252	1416-1890DCT	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337.4	203.0	256.0	131.8	386	NORWALKST2	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	333.8	203.0	256.0	130.4	287	1880-1890DCT	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	322.4	222.9	256.0	125.9	293	1890-1977DCT	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	322.2	219.3	256.0	125.8	293	1890-1977DCT	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	319.1	213.2	256.0	124.6	289	1890-1977DCT	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	318.5	216.4	256.0	124.4	289	1890-1977DCT	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	316.8	211.5	256.0	123.8	293	1890-1977DCT	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	316.1	207.4	256.0	123.5	293	1890-1977DCT	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	314.8	203.0	256.0	123.0	289	1890-1977DCT	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	314.3	206.3	256.0	122.8	289	1890-1977DCT	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	297.1	222.9	256.0	116.1	189	91001LINE	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	294.7	219.3	256.0	115.1	189	91001LINE	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	291.8	216.4	256.0	114.0	189	91001LINE	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	290.0	213.2	256.0	113.3	189	91001LINE	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	288.2	211.5	256.0	112.6	189	91001LINE	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	285.3	207.4	256.0	111.5	189	91001LINE	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	284.1	206.3	256.0	111.0	189	91001LINE	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	282.2	203.0	256.0	110.2	189	91001LINE	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	277.0	222.9	256.0	108.2	393	NORWLKHAR3T	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	276.7	222.9	256.0	108.1	18	1130LINE	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	276.5	222.9	256.0	108.0	326	ASHCREEKBKR	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	274.5	219.3	256.0	107.2	326	ASHCREEKBKR	14B	FIX		



### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	274.1	219.3	256.0	107.1	18	1130LINE	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	274.2	222.9	256.0	107.1	398	PEQUON12TSTK	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.3	216.4	256.0	106.0	322	ASHCREEKBKR	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.5	222.9	256.0	106.0	49	1430LINE	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.1	219.3	256.0	105.9	398	PEQUON12TSTK	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.1	216.4	256.0	105.9	18	1130LINE	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.8	213.2	256.0	105.4	322	ASHCREEKBKR	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.3	219.3	256.0	105.2	49	1430LINE	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.3	219.3	256.0	105.2	393	NORWLKHAR3T	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.0	213.2	256.0	105.1	18	1130LINE	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.4	216.4	256.0	104.9	389	NORWLKHAR3T	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.7	216.4	256.0	104.6	394	PEQUON12TSTK	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.8	211.5	256.0	104.6	326	ASHCREEKBKR	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.4	222.9	256.0	104.4	19	1130+1416LNS	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.2	211.5	256.0	104.4	18	1130LINE	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	222.9	222.9	214.0	104.1		** Base Case	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.2	216.4	256.0	104.0	49	1430LINE	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.1	222.9	256.0	103.9	408	SASCOCR1T	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.7	222.9	256.0	103.8	370	GLENBROOK8T	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.4	222.9	256.0	103.7	148	1890LINE	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.4	222.9	256.0	103.7	391	NORWLKHAR1T	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.3	207.4	256.0	103.6	326	ASHCREEKBKR	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.2	222.9	256.0	103.6	48	1416LINE	22B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.1	213.2	256.0	103.5	394	PEQUON12TSTK	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.9	219.3	256.0	103.5	19	1130+1416LNS	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.7	213.2	256.0	103.4	49	1430LINE	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.1	207.4	256.0	103.2	18	1130LINE	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.0	219.3	256.0	103.1	408	SASCOCR1T	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.6	219.3	256.0	103.0	370	GLENBROOK8T	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.7	206.3	256.0	103.0	322	ASHCREEKBKR	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.3	219.3	256.0	102.9	148	1890LINE	14B	FIX		

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.3	219.3	256.0	102.9	391	NORWLKHAR1T	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.4	211.5	256.0	102.9	398	PEQUON12TSTK	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.8	211.5	256.0	102.7	49	1430LINE	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.6	219.3	256.0	102.6	48	1416LINE	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.8	206.3	256.0	102.6	18	1130LINE	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.3	203.0	256.0	102.5	322	ASHCREEKBKR	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	219.3	219.3	214.0	102.5		** Base Case	14B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.8	216.4	256.0	102.3	19	1130+1416LNS	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.9	216.4	256.0	101.9	404	SASCOCR1T	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.7	203.0	256.0	101.8	18	1130LINE	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.5	216.4	256.0	101.8	366	GLENBROOK8T	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.3	213.2	256.0	101.7	389	NORWLKHAR3T	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	216.4	256.0	101.7	148	1890LINE	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	216.4	256.0	101.7	387	NORWLKHAR1T	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	207.4	256.0	101.6	49	1430LINE	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.8	213.2	256.0	101.5	19	1130+1416LNS	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.8	207.4	256.0	101.5	398	PEQUON12TSTK	15B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.6	213.2	256.0	101.4	404	SASCOCR1T	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.6	216.4	256.0	101.4	48	1416LINE	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.7	211.5	256.0	101.4	393	NORWLKHAR3T	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.1	213.2	256.0	101.2	366	GLENBROOK8T	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.9	213.2	256.0	101.1	148	1890LINE	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.9	213.2	256.0	101.1	387	NORWLKHAR1T	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	216.4	216.4	214.0	101.1		** Base Case	18B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.8	206.3	256.0	101.1	49	1430LINE	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.2	206.3	256.0	100.8	394	PEQUON12TSTK	19B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.9	211.5	256.0	100.7	19	1130+1416LNS	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.7	211.5	256.0	100.7	408	SASCOCR1T	23B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.5	213.2	256.0	100.6	48	1416LINE	10B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.2	203.0	256.0	100.5	49	1430LINE	11B	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.2	211.5	256.0	100.5	370	GLENBROOK8T	23B	FIX		

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls		
73207	FLAX HIL 115	73271	RYTN J B 115	1	LN	257.0	211.5	256.0	100.4	148	1890LINE	23B	FIX
73207	FLAX HIL 115	73271	RYTN J B 115	1	LN	257.0	211.5	256.0	100.4	391	NORWLKHAR1T	23B	FIX
73224	TRMB J A 115	73700	PEQUONIC 115	1	LN	236.3	59.3	231.0	102.3	341	DEVON2TSTK	12B	FIX
73224	TRMB J A 115	73700	PEQUONIC 115	1	LN	233.0	58.4	231.0	100.8	341	DEVON2TSTK	20B	FIX
73228	BALDWNJB 115	73185	BUNKER H 115	1	LN	175.0	110.0	165.0	106.0	224	387LINE	14B	FIX
73228	BALDWNJB 115	73185	BUNKER H 115	1	LN	174.4	110.0	165.0	105.7	295	1460-387DCT	14B	FIX
73228	BALDWNJB 115	73185	BUNKER H 115	1	LN	171.1	110.7	165.0	103.7	460	SCOVrk8TSTK	17B	FIX
73228	BALDWNJB 115	73185	BUNKER H 115	1	LN	170.7	110.7	165.0	103.5	295	1460-387DCT	17B	FIX
73228	BALDWNJB 115	73185	BUNKER H 115	1	LN	169.3	110.0	165.0	102.6	460	SCOVrk8TSTK	14B	FIX
73228	BALDWNJB 115	73185	BUNKER H 115	1	LN	168.7	110.7	165.0	102.2	224	387LINE	17B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	210.1	118.5	165.0	127.4	82	1620SLINE	17B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	210.1	118.5	165.0	127.3	82	1620SLINE	14B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	196.4	110.7	165.0	119.0	82	1620SLINE	22B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	196.3	110.7	165.0	119.0	82	1620SLINE	25B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	187.9	118.5	165.0	113.9	460	SCOVrk8TSTK	17B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	187.0	118.5	165.0	113.3	460	SCOVrk8TSTK	14B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	186.6	105.4	165.0	113.1	82	1620SLINE	10B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	186.3	105.2	165.0	112.9	82	1620SLINE	13B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	184.8	118.5	165.0	112.0	224	387LINE	14B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	179.2	118.5	165.0	108.6	224	387LINE	17B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	173.1	97.7	165.0	104.9	82	1620SLINE	18B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	173.0	97.6	165.0	104.8	82	1620SLINE	21B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	170.4	96.2	165.0	103.3	82	1620SLINE	15B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	168.8	118.5	165.0	102.3	458	SCOVrk5TSTK	14B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	168.4	118.5	165.0	102.1	458	SCOVrk5TSTK	17B	FIX
73230	HADDAM 115	73231	BOKUM 115	1	LN	165.7	118.5	165.0	100.4	459	SCOVrk7TSTK	14B	FIX
73230	HADDAM 115	73231	BOKUM 115	2	LN	211.4	121.5	191.0	110.7	33	1261LINE	14B	FIX
73230	HADDAM 115	73231	BOKUM 115	2	LN	211.4	121.5	191.0	110.7	33	1261LINE	17B	FIX
73230	HADDAM 115	73231	BOKUM 115	2	LN	197.5	113.6	191.0	103.4	33	1261LINE	22B	FIX
73230	HADDAM 115	73231	BOKUM 115	2	LN	197.5	113.5	191.0	103.4	33	1261LINE	25B	FIX
73230	HADDAM 115	73231	BOKUM 115	2	LN	192.6	121.5	191.0	100.9	460	SCOVrk8TSTK	17B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B





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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	TP	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73230 HADDAM	115 73231 BOKUM	115 2	LN	191.7	121.5	191.0	100.4	460	SCOVRK8TSTK	14B	FIX
73231 BOKUM	115 73265 GREEN HL	115 1	LN	292.0	165.5	284.0	102.8	460	SCOVRK8TSTK	17B	FIX
73231 BOKUM	115 73265 GREEN HL	115 1	LN	289.9	165.7	284.0	102.1	460	SCOVRK8TSTK	14B	FIX
73231 BOKUM	115 73265 GREEN HL	115 1	LN	288.9	165.7	284.0	101.7	224	387LINE	14B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	303.5	22.5	134.0	226.5	428	TRIANGLE2T	22B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	303.3	22.5	134.0	226.3	428	TRIANGLE2T	14B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	303.0	22.5	134.0	226.1	428	TRIANGLE2T	17B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	302.7	22.4	134.0	225.9	428	TRIANGLE2T	25B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	302.6	22.5	134.0	225.8	428	TRIANGLE2T	15B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	299.3	22.5	134.0	223.4	424	TRIANGLE2T	18B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.9	22.5	134.0	223.0	424	TRIANGLE2T	10B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.8	22.5	134.0	223.0	428	TRIANGLE2T	23B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.5	22.4	134.0	222.8	424	TRIANGLE2T	13B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.3	22.5	134.0	222.6	424	TRIANGLE2T	11B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.2	22.5	134.0	222.6	428	TRIANGLE2T	16B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.3	22.4	134.0	222.6	424	TRIANGLE2T	19B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.3	22.4	134.0	222.6	424	TRIANGLE2T	21B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	297.9	22.4	134.0	222.3	424	TRIANGLE2T	12B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	297.6	22.4	134.0	222.1	428	TRIANGLE2T	24B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	297.3	22.4	134.0	221.9	424	TRIANGLE2T	20B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.6	22.5	134.0	111.6	234	1060-1165DCT	22B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.5	22.5	134.0	111.5	234	1060-1165DCT	14B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.4	22.5	134.0	111.5	234	1060-1165DCT	15B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.4	22.5	134.0	111.5	230	1060-1165DCT	18B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.4	22.5	134.0	111.5	234	1060-1165DCT	23B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.2	22.5	134.0	111.4	230	1060-1165DCT	10B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.3	22.5	134.0	111.4	234	1060-1165DCT	17B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.2	22.5	134.0	111.3	230	1060-1165DCT	11B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.1	22.5	134.0	111.3	234	1060-1165DCT	16B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.1	22.4	134.0	111.3	234	1060-1165DCT	25B	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	149.1	22.4	134.0	111.2	230	1060-1165DCT	13B	FIX

### List of Overloads: 27.7 GW NE Load, Dispatches 10B - 25B

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

Existing 387 Line

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73268 MDDL RIV 115	73176 TRIANGLE 115	1	LN	149.0	22.4	134.0	111.2	230	1060-1165DCT	19B	FIX
73268 MDDL RIV 115	73176 TRIANGLE 115	1	LN	148.9	22.4	134.0	111.1	230	1060-1165DCT	12B	FIX
73268 MDDL RIV 115	73176 TRIANGLE 115	1	LN	148.9	22.4	134.0	111.1	230	1060-1165DCT	21B	FIX
73268 MDDL RIV 115	73176 TRIANGLE 115	1	LN	148.7	22.4	134.0	111.0	234	1060-1165DCT	24B	FIX
73268 MDDL RIV 115	73176 TRIANGLE 115	1	LN	148.5	22.4	134.0	110.8	230	1060-1165DCT	20B	FIX
73317 NORSING2 345	73315 SINGNOR2 345	1	LN	808.6	454.6	794.0	101.8	463	NORSING1	11B	FIX
73317 NORSING2 345	73315 SINGNOR2 345	1	LN	798.7	454.6	794.0	100.6	465	SINGERSTK	11B	FIX
73669 GRAND AV 115	73681 WEST RIV 115	1	LN	265.1	117.1	258.0	102.8	368	GRNDAV2TSTK	13B	FIX
73669 GRAND AV 115	73681 WEST RIV 115	1	LN	259.6	110.2	258.0	100.6	368	GRNDAV2TSTK	21B	FIX
73669 GRAND AV 115	73681 WEST RIV 115	2	LN	265.1	117.1	258.0	102.8	368	GRNDAV2TSTK	13B	FIX
73669 GRAND AV 115	73681 WEST RIV 115	2	LN	259.6	110.2	258.0	100.6	368	GRNDAV2TSTK	21B	FIX
73701 CRR JCT 115	73703 ASHCREEK 115	1	LN	443.2	285.0	439.0	100.9	248	1389-1880DCT	11B	FIX
73701 CRR JCT 115	73703 ASHCREEK 115	1	LN	441.1	280.1	439.0	100.5	252	1389-1880DCT	15B	FIX
73701 CRR JCT 115	73703 ASHCREEK 115	1	LN	440.8	275.1	439.0	100.4	248	1389-1880DCT	10B	FIX
73701 CRR JCT 115	73703 ASHCREEK 115	1	LN	440.9	278.3	439.0	100.4	248	1389-1880DCT	19B	FIX
73701 CRR JCT 115	73703 ASHCREEK 115	1	LN	440.0	274.1	439.0	100.2	252	1389-1880DCT	23B	FIX
73701 CRR JCT 115	73703 ASHCREEK 115	1	LN	439.1	270.6	439.0	100.0	252	1389-1880DCT	14B	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	508.0	201.2	450.0	112.9	451	LONGMT5TSTK	25B	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	481.8	201.3	450.0	107.1	447	LONGMT5TSTK	21B	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	462.3	201.2	450.0	102.7	228	398LINE	25B	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	462.3	201.2	450.0	102.7	229	398LREAC	25B	FIX

## Appendix F

### Summary of Voltage Violations

- Keys to Tables
- Table: Voltage Violations - Worst and Total
- Table: List of Voltage Violations

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

Several columns the “**Voltage Violations, Worst and Total**” table warrant explanation:

<b># Viols</b>	The total number of violations for this bus <u>and</u> dispatch. If “ <b># Viols</b> ” equals one, then the indicated contingency is the only one causing a violation for the indicated dispatch. If “ <b># Viols</b> ” exceeds one, then it is the total number of contingencies causing a voltage violation, but none are more severe than the indicated contingency. To see all contingencies that cause voltage violations refer to the “ <b>List of Voltage Violations</b> ” table in this Appendix.
<b>Worst Lo Vio</b>	The value in the “ <b>Worst Lo Vio</b> ” column indicates the amount, in per-unit, that the bus voltage is <u>below</u> the low voltage criteria.
<b>Worst Hi Vio</b>	The value in the “ <b>Worst Hi Vio</b> ” column indicates the amount, in per-unit, that the bus voltage is <u>above</u> the high voltage criteria.
<b>Dispatch</b>	The ID used to identify the generation dispatch, as explained in the report.
<b>Controls</b>	Indicates that tap-changing and phase-shifting transformers are held fixed from the base case to the post-contingency case.

SWCT Transmission Expansion:  
 East Shore to Norwalk 345 kV  
 Transmission Loading and Voltage Analysis, ± 700 MW

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

<b>Contingency Volt</b>	The per-unit value of the bus voltage after the contingency.
<b>Base Volt</b>	The per-unit value of the bus voltage in the base case.
<b>Low Limit</b>	The per-unit value of the low voltage criteria.
<b>Upp Limit</b>	The per-unit value of the high voltage criteria.
<b>Volt Drop</b>	The per-unit criteria for a violation of voltage drop. Not used for this study.
<b>Volt Rise</b>	The per-unit criteria for a violation of voltage rise. Not used for this study.
<b>Viol Type</b>	<p>L = <b>Contingency Volt</b> is &lt; low voltage limit (value in “<b>Low Limit</b>”)            D = <b>Contingency Volt</b> is &lt; voltage drop limit (value in “<b>Volt Drop</b>”)            H = <b>Contingency Volt</b> is &gt; high voltage limit (value in “<b>Low Limit</b>”)            R = <b>Contingency Volt</b> is &gt; voltage rise limit (value in “<b>Volt Rise</b>”)</p> <p>Since voltage rise and voltage drop are not used as criteria in this study, the only possible values are “L” and “H”.</p>
<b>Dispatch</b>	The ID used to identify the generation dispatch, as explained in the report.
<b>Controls</b>	Indicates that tap-changing and phase-shifting transformers are held fixed from the base case to the post-contingency case.



## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
 1% < Lo Violation < 3%  
 0.5% < Lo Violation < 1%  
 Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73684	ALLINGSA	115.0	701	185	2	0.041	460	SCOVK8TSTK	-	-		14B	FIX
73684	ALLINGSA	115.0	701	185	1	0.042	460	SCOVK8TSTK	-	-		17B	FIX
73685	ALLINGSB	115.0	701	185	2	0.041	460	SCOVK8TSTK	-	-		14B	FIX
73685	ALLINGSB	115.0	701	185	1	0.042	460	SCOVK8TSTK	-	-		17B	FIX
73706	ANSONIA	115.0	701	185	3	0.051	460	SCOVK8TSTK	-	-		14B	FIX
73706	ANSONIA	115.0	701	185	1	0.053	460	SCOVK8TSTK	-	-		17B	FIX
73694	BAIRD A	115.0	701	185	1	0.011	460	SCOVK8TSTK	-	-		14B	FIX
73694	BAIRD A	115.0	701	185	1	0.013	460	SCOVK8TSTK	-	-		17B	FIX
73695	BAIRD B	115.0	701	185	1	0.011	460	SCOVK8TSTK	-	-		14B	FIX
73695	BAIRD B	115.0	701	185	1	0.013	460	SCOVK8TSTK	-	-		17B	FIX
73186	BALDWINA	115.0	701	171	1	0.038	460	SCOVK8TSTK	-	-		17B	FIX
73186	BALDWINA	115.0	701	171	3	0.040	460	SCOVK8TSTK	-	-		14B	FIX
73160	BALDWINB	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		19B	FIX
73160	BALDWINB	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		20B	FIX
73160	BALDWINB	115.0	701	171	1	0.015	248	1272-1721DCT	-	-		24B	FIX
73160	BALDWINB	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		11B	FIX
73160	BALDWINB	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		12B	FIX
73160	BALDWINB	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		23B	FIX
73160	BALDWINB	115.0	701	171	1	0.017	248	1272-1721DCT	-	-		15B	FIX
73160	BALDWINB	115.0	701	171	1	0.017	248	1272-1721DCT	-	-		16B	FIX
73160	BALDWINB	115.0	701	171	1	0.023	244	1272-1721DCT	-	-		18B	FIX
73160	BALDWINB	115.0	701	171	1	0.024	244	1272-1721DCT	-	-		10B	FIX
73160	BALDWINB	115.0	701	171	1	0.029	248	1272-1721DCT	-	-		22B	FIX
73160	BALDWINB	115.0	701	171	2	0.035	244	1272-1721DCT	-	-		21B	FIX
73160	BALDWINB	115.0	701	171	2	0.036	244	1272-1721DCT	-	-		13B	FIX
73160	BALDWINB	115.0	701	171	4	0.039	460	SCOVK8TSTK	-	-		14B	FIX
73160	BALDWINB	115.0	701	171	2	0.042	248	1272-1721DCT	-	-		25B	FIX
73160	BALDWINB	115.0	701	171	3	0.047	248	1272-1721DCT	-	-		17B	FIX
73692	BARNUM A	115.0	701	185	2	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73692	BARNUM A	115.0	701	185	1	0.020	460	SCOVK8TSTK	-	-		17B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
 1% < Lo Violation < 3%  
 0.5% < Lo Violation < 1%  
 Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73693	BARNUM B	115.0	701	185	2	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73693	BARNUM B	115.0	701	185	1	0.020	460	SCOVK8TSTK	-	-		17B	FIX
73159	BATES RK	115.0	701	171	1	0.007	460	SCOVK8TSTK	-	-		17B	FIX
73159	BATES RK	115.0	701	171	1	0.017	460	SCOVK8TSTK	-	-		14B	FIX
73188	BCNFL PF	115.0	701	171	1	0.005	244	1272-1721DCT	-	-		21B	FIX
73188	BCNFL PF	115.0	701	171	1	0.007	244	1272-1721DCT	-	-		13B	FIX
73188	BCNFL PF	115.0	701	171	1	0.012	248	1272-1721DCT	-	-		25B	FIX
73188	BCNFL PF	115.0	701	171	4	0.055	460	SCOVK8TSTK	-	-		14B	FIX
73188	BCNFL PF	115.0	701	171	4	0.056	460	SCOVK8TSTK	-	-		17B	FIX
73175	BLACK RK	115.0	701	171	1	0.007	460	SCOVK8TSTK	-	-		17B	FIX
73175	BLACK RK	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		14B	FIX
73272	BLRKHIA	115.0	701	171	1	0.006	460	SCOVK8TSTK	-	-		17B	FIX
73272	BLRKHIA	115.0	701	171	1	0.008	460	SCOVK8TSTK	-	-		14B	FIX
73231	BOKUM	115.0	701	171	5	0.033	460	SCOVK8TSTK	-	-		14B	FIX
73231	BOKUM	115.0	701	171	4	0.034	460	SCOVK8TSTK	-	-		17B	FIX
73287	BRANF RR	115.0	701	171	2	0.042	460	SCOVK8TSTK	-	-		17B	FIX
73287	BRANF RR	115.0	701	171	3	0.045	460	SCOVK8TSTK	-	-		14B	FIX
73153	BRANFORD	115.0	701	171	2	0.057	460	SCOVK8TSTK	-	-		17B	FIX
73153	BRANFORD	115.0	701	171	3	0.059	460	SCOVK8TSTK	-	-		14B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.004	332	BRANFORD4T	20B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.003	332	BRANFORD4T	12B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.003	332	BRANFORD4T	19B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.003	336	BRANFORD4T	24B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.002	332	BRANFORD4T	11B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.001	336	BRANFORD4T	16B	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.001	336	BRANFORD4T	23B	FIX
73233	BRISTOL	115.0	701	171	1	0.008	460	SCOVK8TSTK	-	-		17B	FIX
73233	BRISTOL	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		14B	FIX
73678	BROADWAY	115.0	701	185	1	0.041	460	SCOVK8TSTK	-	-		17B	FIX
73678	BROADWAY	115.0	701	185	2	0.042	460	SCOVK8TSTK	-	-		14B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
 1% < Lo Violation < 3%  
 0.5% < Lo Violation < 1%  
 Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73147	BULLS BR	115.0	701	171	1	0.009	460	SCOVK8TSTK	-	-		17B	FIX
73147	BULLS BR	115.0	701	171	1	0.017	460	SCOVK8TSTK	-	-		14B	FIX
73185	BUNKER H	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		19B	FIX
73185	BUNKER H	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		20B	FIX
73185	BUNKER H	115.0	701	171	1	0.015	248	1272-1721DCT	-	-		24B	FIX
73185	BUNKER H	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		11B	FIX
73185	BUNKER H	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		12B	FIX
73185	BUNKER H	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		15B	FIX
73185	BUNKER H	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		16B	FIX
73185	BUNKER H	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		23B	FIX
73185	BUNKER H	115.0	701	171	1	0.023	244	1272-1721DCT	-	-		10B	FIX
73185	BUNKER H	115.0	701	171	1	0.023	244	1272-1721DCT	-	-		18B	FIX
73185	BUNKER H	115.0	701	171	1	0.028	248	1272-1721DCT	-	-		22B	FIX
73185	BUNKER H	115.0	701	171	3	0.030	248	1272-1721DCT	-	-		14B	FIX
73185	BUNKER H	115.0	701	171	2	0.034	244	1272-1721DCT	-	-		21B	FIX
73185	BUNKER H	115.0	701	171	2	0.036	244	1272-1721DCT	-	-		13B	FIX
73185	BUNKER H	115.0	701	171	2	0.042	248	1272-1721DCT	-	-		25B	FIX
73185	BUNKER H	115.0	701	171	3	0.047	248	1272-1721DCT	-	-		17B	FIX
73203	CAMPV PH	115.0	701	171	1	0.011	460	SCOVK8TSTK	-	-		17B	FIX
73203	CAMPV PH	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		14B	FIX
73211	CANAL	115.0	701	171	1	0.003	460	SCOVK8TSTK	-	-		17B	FIX
73211	CANAL	115.0	701	171	1	0.005	460	SCOVK8TSTK	-	-		14B	FIX
73180	CARMHILL	115.0	701	171	1	0.013	460	SCOVK8TSTK	-	-		17B	FIX
73180	CARMHILL	115.0	701	171	1	0.018	460	SCOVK8TSTK	-	-		14B	FIX
73235	CHIP HIL	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		17B	FIX
73235	CHIP HIL	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73234	CHIPP TP	115.0	701	171	1	0.007	460	SCOVK8TSTK	-	-		17B	FIX
73234	CHIPP TP	115.0	701	171	1	0.009	460	SCOVK8TSTK	-	-		14B	FIX
73712	CNGRES2A	115.0	701	185	1	0.000	460	SCOVK8TSTK	-	-		14B	FIX
73713	CNGRES2B	115.0	701	185	1	0.000	460	SCOVK8TSTK	-	-		14B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

	Lo Violation > 3%
	1% < Lo Violation < 3%
	0.5% < Lo Violation < 1%
	Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73634	COLONY	115.0	701	179	1	0.014	460	SCOVK8TSTK	-	-		17B	FIX
73634	COLONY	115.0	701	179	1	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73696	CONGRESS	115.0	701	185	1	0.000	460	SCOVK8TSTK	-	-		14B	FIX
73697	CONGRESS	115.0	701	185	1	0.000	460	SCOVK8TSTK	-	-		14B	FIX
73697	CONGRESS	115.0	701	185	1	0.013	401	PEQUON42TSTK	-	-		25B	FIX
73697	CONGRESS	115.0	701	185	1	0.023	401	PEQUON42TSTK	-	-		17B	FIX
73117	CTNY398	345.0	701	171	1	0.022	460	SCOVK8TSTK	-	-		17B	FIX
73117	CTNY398	345.0	701	171	3	0.023	460	SCOVK8TSTK	-	-		14B	FIX
73195	DEVON	115.0	701	171	2	0.019	460	SCOVK8TSTK	-	-		14B	FIX
73195	DEVON	115.0	701	171	1	0.026	460	SCOVK8TSTK	-	-		17B	FIX
73297	DEVON	345.0	701	171	2	0.056	460	SCOVK8TSTK	-	-		17B	FIX
73297	DEVON	345.0	701	171	3	0.063	460	SCOVK8TSTK	-	-		14B	FIX
73126	DEVON#2	115.0	701	171	2	0.020	460	SCOVK8TSTK	-	-		14B	FIX
73126	DEVON#2	115.0	701	171	1	0.024	460	SCOVK8TSTK	-	-		17B	FIX
73277	DEVON10	115.0	701	171	2	0.019	460	SCOVK8TSTK	-	-		14B	FIX
73277	DEVON10	115.0	701	171	1	0.026	460	SCOVK8TSTK	-	-		17B	FIX
73690	DEVON178	115.0	701	185	2	0.019	460	SCOVK8TSTK	-	-		14B	FIX
73690	DEVON178	115.0	701	185	1	0.026	460	SCOVK8TSTK	-	-		17B	FIX
73691	DEVON179	115.0	701	185	2	0.019	460	SCOVK8TSTK	-	-		14B	FIX
73691	DEVON179	115.0	701	185	1	0.026	460	SCOVK8TSTK	-	-		17B	FIX
73191	DRBY J A	115.0	701	171	3	0.041	460	SCOVK8TSTK	-	-		14B	FIX
73191	DRBY J A	115.0	701	171	1	0.041	460	SCOVK8TSTK	-	-		17B	FIX
73192	DRBY J B	115.0	701	171	3	0.048	460	SCOVK8TSTK	-	-		14B	FIX
73192	DRBY J B	115.0	701	171	1	0.050	460	SCOVK8TSTK	-	-		17B	FIX
73129	E.DEVONJ	115.0	701	171	2	0.016	460	SCOVK8TSTK	-	-		14B	FIX
73129	E.DEVONJ	115.0	701	171	1	0.026	460	SCOVK8TSTK	-	-		17B	FIX
73227	E.MERIDN	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		14B	FIX
73227	E.MERIDN	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		17B	FIX
73668	E.SHORE	115.0	701	185	1	0.033	460	SCOVK8TSTK	-	-		17B	FIX
73668	E.SHORE	115.0	701	185	2	0.035	460	SCOVK8TSTK	-	-		14B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
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 0.5% < Lo Violation < 1%  
 Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73663	E. SHORE	345.0	701	185	3	0.067	460	SCOVK8TSTK	-	-		17B	FIX
73663	E. SHORE	345.0	701	185	3	0.073	460	SCOVK8TSTK	-	-		14B	FIX
73682	ELMWST A	115.0	701	185	2	0.001	440	WRIVER1TSTK	-	-		15B	FIX
73682	ELMWST A	115.0	701	185	2	0.003	373	GRNDV7TSTK	-	-		21B	FIX
73682	ELMWST A	115.0	701	185	2	0.005	373	GRNDV7TSTK	-	-		13B	FIX
73682	ELMWST A	115.0	701	185	3	0.019	377	GRNDV7TSTK	-	-		22B	FIX
73682	ELMWST A	115.0	701	185	3	0.027	376	GRNDV6TSTK	-	-		25B	FIX
73682	ELMWST A	115.0	701	185	5	0.042	460	SCOVK8TSTK	-	-		14B	FIX
73682	ELMWST A	115.0	701	185	4	0.042	460	SCOVK8TSTK	-	-		17B	FIX
73683	ELMWST B	115.0	701	185	2	0.000	441	WRIVER2TSTK	-	-		16B	FIX
73683	ELMWST B	115.0	701	185	1	0.001	437	WRIVER2TSTK	-	-		11B	FIX
73683	ELMWST B	115.0	701	185	2	0.003	441	WRIVER2TSTK	-	-		15B	FIX
73683	ELMWST B	115.0	701	185	3	0.005	370	GRNDV4TSTK	-	-		21B	FIX
73683	ELMWST B	115.0	701	185	3	0.007	370	GRNDV4TSTK	-	-		13B	FIX
73683	ELMWST B	115.0	701	185	3	0.021	374	GRNDV4TSTK	-	-		22B	FIX
73683	ELMWST B	115.0	701	185	3	0.030	375	GRNDV5TSTK	-	-		25B	FIX
73683	ELMWST B	115.0	701	185	5	0.042	460	SCOVK8TSTK	-	-		14B	FIX
73683	ELMWST B	115.0	701	185	4	0.042	460	SCOVK8TSTK	-	-		17B	FIX
73679	ENG STA	115.0	701	185	1	0.039	460	SCOVK8TSTK	-	-		17B	FIX
73679	ENG STA	115.0	701	185	2	0.041	460	SCOVK8TSTK	-	-		14B	FIX
73232	FORESTVL	115.0	701	171	1	0.005	460	SCOVK8TSTK	-	-		17B	FIX
73232	FORESTVL	115.0	701	171	1	0.008	460	SCOVK8TSTK	-	-		14B	FIX
73189	FREIGHT	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		19B	FIX
73189	FREIGHT	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		20B	FIX
73189	FREIGHT	115.0	701	171	1	0.017	244	1272-1721DCT	-	-		11B	FIX
73189	FREIGHT	115.0	701	171	1	0.017	244	1272-1721DCT	-	-		12B	FIX
73189	FREIGHT	115.0	701	171	1	0.017	248	1272-1721DCT	-	-		23B	FIX
73189	FREIGHT	115.0	701	171	1	0.017	248	1272-1721DCT	-	-		24B	FIX
73189	FREIGHT	115.0	701	171	1	0.018	248	1272-1721DCT	-	-		15B	FIX
73189	FREIGHT	115.0	701	171	1	0.018	248	1272-1721DCT	-	-		16B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
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Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73189	FREIGHT	115.0	701	171	1	0.024	244	1272-1721DCT	-	-		18B	FIX
73189	FREIGHT	115.0	701	171	1	0.025	244	1272-1721DCT	-	-		10B	FIX
73189	FREIGHT	115.0	701	171	1	0.030	248	1272-1721DCT	-	-		22B	FIX
73189	FREIGHT	115.0	701	171	3	0.031	248	1272-1721DCT	-	-		14B	FIX
73189	FREIGHT	115.0	701	171	1	0.036	244	1272-1721DCT	-	-		21B	FIX
73189	FREIGHT	115.0	701	171	1	0.037	244	1272-1721DCT	-	-		13B	FIX
73189	FREIGHT	115.0	701	171	1	0.043	248	1272-1721DCT	-	-		25B	FIX
73189	FREIGHT	115.0	701	171	2	0.048	248	1272-1721DCT	-	-		17B	FIX
73260	FRKLN DR	115.0	701	171	1	0.008	460	SCOVK8TSTK	-	-		17B	FIX
73260	FRKLN DR	115.0	701	171	1	0.009	460	SCOVK8TSTK	-	-		14B	FIX
73202	FROST BR	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		17B	FIX
73202	FROST BR	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		14B	FIX
73104	FRSTBDGE	345.0	701	171	3	0.047	460	SCOVK8TSTK	-	-		14B	FIX
73104	FRSTBDGE	345.0	701	171	3	0.047	460	SCOVK8TSTK	-	-		17B	FIX
73669	GRAND AV	115.0	701	185	1	0.039	460	SCOVK8TSTK	-	-		17B	FIX
73669	GRAND AV	115.0	701	185	2	0.041	460	SCOVK8TSTK	-	-		14B	FIX
73265	GREEN HL	115.0	701	171	3	0.075	460	SCOVK8TSTK	-	-		14B	FIX
73265	GREEN HL	115.0	701	171	3	0.075	460	SCOVK8TSTK	-	-		17B	FIX
73121	HADAUTO	345.0	701	171	1	0.009	460	SCOVK8TSTK	-	-		14B	FIX
73121	HADAUTO	345.0	701	171	1	0.011	460	SCOVK8TSTK	-	-		17B	FIX
73197	HANOVERA	115.0	701	171	1	0.003	460	SCOVK8TSTK	-	-		14B	FIX
73182	HANOVERB	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		17B	FIX
73182	HANOVERB	115.0	701	171	1	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73711	HAWTH R	115.0	701	185	1	0.010	460	SCOVK8TSTK	-	-		17B	FIX
73711	HAWTH R	115.0	701	185	2	0.016	460	SCOVK8TSTK	-	-		14B	FIX
73710	HAWTHORN	115.0	701	185	1	0.006	460	SCOVK8TSTK	-	-		14B	FIX
73705	IND.WELL	115.0	701	185	3	0.053	460	SCOVK8TSTK	-	-		14B	FIX
73705	IND.WELL	115.0	701	185	1	0.054	460	SCOVK8TSTK	-	-		17B	FIX
73707	JUNE ST	115.0	701	185	3	0.066	460	SCOVK8TSTK	-	-		14B	FIX
73707	JUNE ST	115.0	701	185	3	0.068	460	SCOVK8TSTK	-	-		17B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
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 Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73105	LONG MTN	345.0	701	171	1	0.036	460	SCOVK8TSTK	-	-		17B	FIX
73105	LONG MTN	345.0	701	171	3	0.040	460	SCOVK8TSTK	-	-		14B	FIX
73193	LUCHJA90	115.0	701	171	1	0.001	460	SCOVK8TSTK	-	-		14B	FIX
73184	LUCHJB55	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		17B	FIX
73184	LUCHJB55	115.0	701	171	1	0.013	460	SCOVK8TSTK	-	-		14B	FIX
73122	MERID362	345.0	701	171	1	0.019	460	SCOVK8TSTK	-	-		14B	FIX
73122	MERID362	345.0	701	171	1	0.022	460	SCOVK8TSTK	-	-		17B	FIX
73268	MIDDLRIV	115.0	701	171	1	0.005	460	SCOVK8TSTK	-	-		17B	FIX
73268	MIDDLRIV	115.0	701	171	1	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73125	MILFORD	115.0	701	171	2	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73125	MILFORD	115.0	701	171	1	0.026	460	SCOVK8TSTK	-	-		17B	FIX
73676	MILL RVR	115.0	701	185	1	0.040	460	SCOVK8TSTK	-	-		17B	FIX
73676	MILL RVR	115.0	701	185	2	0.042	460	SCOVK8TSTK	-	-		14B	FIX
73688	MILVON A	115.0	701	185	2	0.025	460	SCOVK8TSTK	-	-		14B	FIX
73688	MILVON A	115.0	701	185	1	0.030	460	SCOVK8TSTK	-	-		17B	FIX
73689	MILVON B	115.0	701	185	2	0.025	460	SCOVK8TSTK	-	-		14B	FIX
73689	MILVON B	115.0	701	185	1	0.030	460	SCOVK8TSTK	-	-		17B	FIX
73675	MIX AVE	115.0	701	185	3	0.077	460	SCOVK8TSTK	-	-		14B	FIX
73675	MIX AVE	115.0	701	185	3	0.078	460	SCOVK8TSTK	-	-		17B	FIX
73194	NEWTOWN	115.0	701	171	1	0.018	460	SCOVK8TSTK	-	-		17B	FIX
73194	NEWTOWN	115.0	701	171	2	0.025	460	SCOVK8TSTK	-	-		14B	FIX
73671	NO.HAVEN	115.0	701	185	1	0.049	460	SCOVK8TSTK	-	-		17B	FIX
73671	NO.HAVEN	115.0	701	185	3	0.050	460	SCOVK8TSTK	-	-		14B	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.004	383	NOHAVN2TSTK	20B	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.002	383	NOHAVN2TSTK	12B	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.001	383	NOHAVN2TSTK	19B	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.001	387	NOHAVN2TSTK	24B	FIX
73633	NO.WALLF	115.0	701	179	1	0.013	460	SCOVK8TSTK	-	-		17B	FIX
73633	NO.WALLF	115.0	701	179	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73181	NOERA	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		17B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

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Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73201	NOERA	115.0	701	171	1	0.013	460	SCOVK8TSTK	-	-		17B	FIX
73181	NOERA	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73201	NOERA	115.0	701	171	1	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73200	NOERA JA	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		17B	FIX
73200	NOERA JA	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		14B	FIX
73205	NOERA JB	115.0	701	171	1	0.011	460	SCOVK8TSTK	-	-		17B	FIX
73205	NOERA JB	115.0	701	171	1	0.013	460	SCOVK8TSTK	-	-		14B	FIX
73293	NORWALK	345.0	701	171	1	0.050	460	SCOVK8TSTK	-	-		17B	FIX
73293	NORWALK	345.0	701	171	3	0.061	460	SCOVK8TSTK	-	-		14B	FIX
73709	OLD TOWN	115.0	701	185	1	0.012	460	SCOVK8TSTK	-	-		17B	FIX
73709	OLD TOWN	115.0	701	185	2	0.017	460	SCOVK8TSTK	-	-		14B	FIX
73371	ORANGE	345.0	701	185	3	0.066	460	SCOVK8TSTK	-	-		17B	FIX
73371	ORANGE	345.0	701	185	3	0.072	460	SCOVK8TSTK	-	-		14B	FIX
73174	PEACEABL	115.0	701	171	1	0.000	460	SCOVK8TSTK	-	-		14B	FIX
73716	PEQBETAP	115.0	701	185	1	0.003	460	SCOVK8TSTK	-	-		17B	FIX
73716	PEQBETAP	115.0	701	185	1	0.012	460	SCOVK8TSTK	-	-		14B	FIX
73170	PLUMTREE	115.0	701	171	1	0.009	460	SCOVK8TSTK	-	-		14B	FIX
73115	PLUMTREE	345.0	701	171	3	0.052	460	SCOVK8TSTK	-	-		17B	FIX
73115	PLUMTREE	345.0	701	171	3	0.062	460	SCOVK8TSTK	-	-		14B	FIX
73670	QUINNIP	115.0	701	185	1	0.048	460	SCOVK8TSTK	-	-		17B	FIX
73670	QUINNIP	115.0	701	185	3	0.049	460	SCOVK8TSTK	-	-		14B	FIX
73143	RDGFLDA	115.0	701	171	1	0.004	460	SCOVK8TSTK	-	-		14B	FIX
73146	RDGFLDB	115.0	701	171	1	0.004	460	SCOVK8TSTK	-	-		14B	FIX
73155	RDGFLD J	115.0	701	171	1	0.001	460	SCOVK8TSTK	-	-		14B	FIX
73280	RKRIV PF	115.0	701	171	1	0.006	460	SCOVK8TSTK	-	-		17B	FIX
73280	RKRIV PF	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73190	ROCK RIV	115.0	701	171	1	0.006	460	SCOVK8TSTK	-	-		17B	FIX
73190	ROCK RIV	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73672	SACKETT	115.0	701	185	1	0.051	460	SCOVK8TSTK	-	-		17B	FIX
73672	SACKETT	115.0	701	185	3	0.052	460	SCOVK8TSTK	-	-		14B	FIX



## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

	Lo Violation > 3%
	1% < Lo Violation < 3%
	0.5% < Lo Violation < 1%
	Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73673	SACKPHS	115.0	701	185	3	0.075	460	SCOVK8TSTK	-	-		14B	FIX
73673	SACKPHS	115.0	701	185	3	0.075	460	SCOVK8TSTK	-	-		17B	FIX
73127	SGTNB RX	115.0	701	171	1	0.001	460	SCOVK8TSTK	-	-		14B	FIX
73128	SGTNB2 R	115.0	701	171	1	0.001	460	SCOVK8TSTK	-	-		14B	FIX
73183	SHAWSHIL	115.0	701	171	1	0.017	460	SCOVK8TSTK	-	-		17B	FIX
73183	SHAWSHIL	115.0	701	171	1	0.019	460	SCOVK8TSTK	-	-		14B	FIX
73178	SHEPAUG	115.0	701	171	1	0.002	460	SCOVK8TSTK	-	-		17B	FIX
73178	SHEPAUG	115.0	701	171	1	0.012	460	SCOVK8TSTK	-	-		14B	FIX
73301	SINGER	345.0	701	186	1	0.053	460	SCOVK8TSTK	-	-		17B	FIX
73301	SINGER	345.0	701	186	3	0.062	460	SCOVK8TSTK	-	-		14B	FIX
73282	SNDYHK	115.0	701	171	1	0.027	460	SCOVK8TSTK	-	-		17B	FIX
73282	SNDYHK	115.0	701	171	2	0.031	460	SCOVK8TSTK	-	-		14B	FIX
73199	SO.NAUG	115.0	701	171	1	0.005	244	1272-1721DCT	-	-		21B	FIX
73199	SO.NAUG	115.0	701	171	1	0.006	244	1272-1721DCT	-	-		13B	FIX
73199	SO.NAUG	115.0	701	171	1	0.011	248	1272-1721DCT	-	-		25B	FIX
73199	SO.NAUG	115.0	701	171	2	0.036	460	SCOVK8TSTK	-	-		14B	FIX
73199	SO.NAUG	115.0	701	171	2	0.036	460	SCOVK8TSTK	-	-		17B	FIX
73198	SOUTHGTN	115.0	701	171	1	0.001	460	SCOVK8TSTK	-	-		17B	FIX
73198	SOUTHGTN	115.0	701	171	1	0.003	460	SCOVK8TSTK	-	-		14B	FIX
73106	SOUTHGTN	345.0	701	171	1	0.032	460	SCOVK8TSTK	-	-		14B	FIX
73106	SOUTHGTN	345.0	701	171	1	0.034	460	SCOVK8TSTK	-	-		17B	FIX
73187	STEVENS	115.0	701	171	1	0.032	460	SCOVK8TSTK	-	-		17B	FIX
73187	STEVENS	115.0	701	171	2	0.035	460	SCOVK8TSTK	-	-		14B	FIX
73165	STONY HL	115.0	701	171	1	0.000	460	SCOVK8TSTK	-	-		17B	FIX
73165	STONY HL	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		14B	FIX
1003	STONYCAP	115.0	701	171	1	0.000	460	SCOVK8TSTK	-	-		17B	FIX
1003	STONYCAP	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		14B	FIX
73240	THOMASTN	115.0	701	171	1	0.013	460	SCOVK8TSTK	-	-		17B	FIX
73240	THOMASTN	115.0	701	171	1	0.015	460	SCOVK8TSTK	-	-		14B	FIX
73204	TODD	115.0	701	171	1	0.009	460	SCOVK8TSTK	-	-		17B	FIX

## Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 10B - 25B

Lo Violation > 3%  
 1% < Lo Violation < 3%  
 0.5% < Lo Violation < 1%  
 Lo Violation < 0.5%

Existing 387 Line

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73204	TODD	115.0	701	171	1	0.011	460	SCOVK8TSTK	-	-		14B	FIX
73245	TORR TER	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		17B	FIX
73245	TORR TER	115.0	701	171	1	0.011	460	SCOVK8TSTK	-	-		14B	FIX
73704	TRAP FLS	115.0	701	185	2	0.037	460	SCOVK8TSTK	-	-		14B	FIX
73704	TRAP FLS	115.0	701	185	1	0.040	460	SCOVK8TSTK	-	-		17B	FIX
73176	TRIANGLE	115.0	701	171	1	0.004	460	SCOVK8TSTK	-	-		17B	FIX
73176	TRIANGLE	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73224	TRMB J A	115.0	701	171	1	0.008	460	SCOVK8TSTK	-	-		17B	FIX
73224	TRMB J A	115.0	701	171	1	0.010	460	SCOVK8TSTK	-	-		14B	FIX
73225	TRMB J B	115.0	701	171	1	0.011	460	SCOVK8TSTK	-	-		17B	FIX
73225	TRMB J B	115.0	701	171	1	0.013	460	SCOVK8TSTK	-	-		14B	FIX
73148	U.A.C.	115.0	701	171	1	0.002	460	SCOVK8TSTK	-	-		14B	FIX
73208	U.A.C.TP	115.0	701	171	1	0.002	460	SCOVK8TSTK	-	-		14B	FIX
73179	W.BRKFLD	115.0	701	171	1	0.006	460	SCOVK8TSTK	-	-		17B	FIX
73179	W.BRKFLD	115.0	701	171	1	0.014	460	SCOVK8TSTK	-	-		14B	FIX
73680	WATER ST	115.0	701	185	1	0.040	460	SCOVK8TSTK	-	-		17B	FIX
73680	WATER ST	115.0	701	185	2	0.042	460	SCOVK8TSTK	-	-		14B	FIX
73686	WDMONT A	115.0	701	185	2	0.037	460	SCOVK8TSTK	-	-		14B	FIX
73686	WDMONT A	115.0	701	185	1	0.039	460	SCOVK8TSTK	-	-		17B	FIX
73687	WDMONT B	115.0	701	185	2	0.037	460	SCOVK8TSTK	-	-		14B	FIX
73687	WDMONT B	115.0	701	185	1	0.039	460	SCOVK8TSTK	-	-		17B	FIX
73263	WEINGART	115.0	701	171	1	0.006	460	SCOVK8TSTK	-	-		17B	FIX
73263	WEINGART	115.0	701	171	1	0.007	460	SCOVK8TSTK	-	-		14B	FIX
73681	WEST RIV	115.0	701	185	1	0.041	460	SCOVK8TSTK	-	-		17B	FIX
73681	WEST RIV	115.0	701	185	2	0.042	460	SCOVK8TSTK	-	-		14B	FIX
73158	WESTON	115.0	701	171	1	0.006	460	SCOVK8TSTK	-	-		14B	FIX
73631	WLNGF PF	115.0	701	179	1	0.046	460	SCOVK8TSTK	-	-		17B	FIX
73631	WLNGF PF	115.0	701	179	3	0.047	460	SCOVK8TSTK	-	-		14B	FIX

## List of Voltage Violations: 27.7 GW NE Load, Dispatches 10B - 25B

Existing 387 Line

H = High  
L = Low  
D = Drop  
R = Rise

Sorted by bus name, then contingency voltage

Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73684	ALLINGSA	115.0	701	185	0.8580	1.0121	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73684	ALLINGSA	115.0	701	185	0.8586	1.0186	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73684	ALLINGSA	115.0	701	185	0.8733	1.0186	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73685	ALLINGSB	115.0	701	185	0.8580	1.0121	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73685	ALLINGSB	115.0	701	185	0.8586	1.0186	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73685	ALLINGSB	115.0	701	185	0.8733	1.0186	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73706	ANSONIA	115.0	701	185	0.8474	0.9947	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73706	ANSONIA	115.0	701	185	0.8488	1.0015	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73706	ANSONIA	115.0	701	185	0.8641	1.0015	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73706	ANSONIA	115.0	701	185	0.8870	1.0015	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73694	BAIRD A	115.0	701	185	0.8868	1.0167	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73694	BAIRD A	115.0	701	185	0.8891	1.0239	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73695	BAIRD B	115.0	701	185	0.8868	1.0167	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73695	BAIRD B	115.0	701	185	0.8890	1.0239	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73186	BALDWINA	115.0	701	171	0.8595	1.0054	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73186	BALDWINA	115.0	701	171	0.8621	1.0043	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73186	BALDWINA	115.0	701	171	0.8807	1.0054	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73186	BALDWINA	115.0	701	171	0.8959	1.0054	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73160	BALDWINB	115.0	701	171	0.8528	1.0015	0.9000	1.0500	-	-	L	248	1272-1721DCT	17B	FIX
73160	BALDWINB	115.0	701	171	0.8579	1.0051	0.9000	1.0500	-	-	L	248	1272-1721DCT	25B	FIX
73160	BALDWINB	115.0	701	171	0.8606	1.0038	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73160	BALDWINB	115.0	701	171	0.8611	1.0015	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73160	BALDWINB	115.0	701	171	0.8640	1.0052	0.9000	1.0500	-	-	L	244	1272-1721DCT	13B	FIX
73160	BALDWINB	115.0	701	171	0.8654	1.0082	0.9000	1.0500	-	-	L	244	1272-1721DCT	21B	FIX
73160	BALDWINB	115.0	701	171	0.8698	1.0038	0.9000	1.0500	-	-	L	248	1272-1721DCT	14B	FIX
73160	BALDWINB	115.0	701	171	0.8714	1.0062	0.9000	1.0500	-	-	L	248	1272-1721DCT	22B	FIX
73160	BALDWINB	115.0	701	171	0.8763	1.0069	0.9000	1.0500	-	-	L	244	1272-1721DCT	10B	FIX
73160	BALDWINB	115.0	701	171	0.8770	1.0088	0.9000	1.0500	-	-	L	244	1272-1721DCT	18B	FIX
73160	BALDWINB	115.0	701	171	0.8823	1.0038	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73160	BALDWINB	115.0	701	171	0.8833	1.0070	0.9000	1.0500	-	-	L	248	1272-1721DCT	15B	FIX
73160	BALDWINB	115.0	701	171	0.8835	1.0048	0.9000	1.0500	-	-	L	248	1272-1721DCT	16B	FIX

## List of Voltage Violations: 27.7 GW NE Load, Dispatches 10B - 25B

Existing 387 Line

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Sorted by bus name, then contingency voltage

Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73160	BALDWINB	115.0	701	171	0.8839	1.0090	0.9000	1.0500	-	-	L	248	1272-1721DCT	23B	FIX
73160	BALDWINB	115.0	701	171	0.8841	1.0057	0.9000	1.0500	-	-	L	244	1272-1721DCT	12B	FIX
73160	BALDWINB	115.0	701	171	0.8842	1.0082	0.9000	1.0500	-	-	L	244	1272-1721DCT	11B	FIX
73160	BALDWINB	115.0	701	171	0.8845	1.0077	0.9000	1.0500	-	-	L	248	1272-1721DCT	24B	FIX
73160	BALDWINB	115.0	701	171	0.8848	1.0101	0.9000	1.0500	-	-	L	244	1272-1721DCT	19B	FIX
73160	BALDWINB	115.0	701	171	0.8851	1.0081	0.9000	1.0500	-	-	L	244	1272-1721DCT	20B	FIX
73160	BALDWINB	115.0	701	171	0.8876	1.0015	0.9000	1.0500	-	-	L	340	BUNKERH2T	17B	FIX
73160	BALDWINB	115.0	701	171	0.8910	1.0051	0.9000	1.0500	-	-	L	340	BUNKERH2T	25B	FIX
73160	BALDWINB	115.0	701	171	0.8952	1.0052	0.9000	1.0500	-	-	L	336	BUNKERH2T	13B	FIX
73160	BALDWINB	115.0	701	171	0.8966	1.0082	0.9000	1.0500	-	-	L	336	BUNKERH2T	21B	FIX
73160	BALDWINB	115.0	701	171	0.8979	1.0038	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73164	BALDWNJA	115.0	701	171	0.8637	1.0090	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73164	BALDWNJA	115.0	701	171	0.8663	1.0078	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73164	BALDWNJA	115.0	701	171	0.8850	1.0090	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73692	BARNUM A	115.0	701	185	0.8805	1.0142	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73692	BARNUM A	115.0	701	185	0.8850	1.0236	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73692	BARNUM A	115.0	701	185	0.8991	1.0236	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73693	BARNUM B	115.0	701	185	0.8805	1.0142	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73693	BARNUM B	115.0	701	185	0.8850	1.0236	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73693	BARNUM B	115.0	701	185	0.8991	1.0236	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73159	BATES RK	115.0	701	171	0.8833	1.0054	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73159	BATES RK	115.0	701	171	0.8933	1.0059	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73188	BCNFL PF	115.0	701	171	0.8442	0.9912	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73188	BCNFL PF	115.0	701	171	0.8447	0.9955	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73188	BCNFL PF	115.0	701	171	0.8634	0.9955	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73188	BCNFL PF	115.0	701	171	0.8821	0.9955	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73188	BCNFL PF	115.0	701	171	0.8825	0.9912	0.9000	1.0500	-	-	L	248	1272-1721DCT	17B	FIX
73188	BCNFL PF	115.0	701	171	0.8876	0.9944	0.9000	1.0500	-	-	L	248	1272-1721DCT	25B	FIX
73188	BCNFL PF	115.0	701	171	0.8934	0.9954	0.9000	1.0500	-	-	L	244	1272-1721DCT	13B	FIX
73188	BCNFL PF	115.0	701	171	0.8949	0.9979	0.9000	1.0500	-	-	L	244	1272-1721DCT	21B	FIX
73188	BCNFL PF	115.0	701	171	0.8987	0.9955	0.9000	1.0500	-	-	L	248	1272-1721DCT	14B	FIX

## List of Voltage Violations: 27.7 GW NE Load, Dispatches 10B - 25B

Existing 387 Line

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Sorted by bus name, then contingency voltage

Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73188	BCNFL PF	115.0	701	171	0.8988	0.9912	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73188	BCNFL PF	115.0	701	171	0.8996	0.9912	0.9000	1.0500	-	-	L	224	387LINE	17B	FIX
73175	BLACK RK	115.0	701	171	0.8902	1.0106	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73175	BLACK RK	115.0	701	171	0.8930	1.0146	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73272	BLRKHIA	115.0	701	171	0.8922	1.0147	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73272	BLRKHIA	115.0	701	171	0.8938	1.0175	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73231	BOKUM	115.0	701	171	0.8663	1.0004	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73231	BOKUM	115.0	701	171	0.8668	1.0012	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73231	BOKUM	115.0	701	171	0.8956	1.0004	0.9000	1.0500	-	-	L	247	1261-1620DCT	17B	FIX
73231	BOKUM	115.0	701	171	0.8956	1.0004	0.9000	1.0500	-	-	L	331	BOKUM1T	17B	FIX
73231	BOKUM	115.0	701	171	0.8956	1.0004	0.9000	1.0500	-	-	L	380	HADDAMBT	17B	FIX
73231	BOKUM	115.0	701	171	0.8964	1.0012	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73231	BOKUM	115.0	701	171	0.8995	1.0012	0.9000	1.0500	-	-	L	247	1261-1620DCT	14B	FIX
73231	BOKUM	115.0	701	171	0.8995	1.0012	0.9000	1.0500	-	-	L	331	BOKUM1T	14B	FIX
73231	BOKUM	115.0	701	171	0.8995	1.0012	0.9000	1.0500	-	-	L	380	HADDAMBT	14B	FIX
73287	BRANF RR	115.0	701	171	0.8555	1.0183	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73287	BRANF RR	115.0	701	171	0.8579	1.0150	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73287	BRANF RR	115.0	701	171	0.8713	1.0183	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73287	BRANF RR	115.0	701	171	0.8727	1.0183	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73287	BRANF RR	115.0	701	171	0.8885	1.0150	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73153	BRANFORD	115.0	701	171	0.8408	1.0125	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73153	BRANFORD	115.0	701	171	0.8426	1.0096	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73153	BRANFORD	115.0	701	171	0.8606	1.0125	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73153	BRANFORD	115.0	701	171	0.8717	1.0125	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73153	BRANFORD	115.0	701	171	0.8889	1.0096	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73153	BRANFORD	115.0	701	171	1.0506	1.0287	0.9000	1.0500	-	-	H	336	BRANFORD4T	23B	FIX
73153	BRANFORD	115.0	701	171	1.0512	1.0298	0.9000	1.0500	-	-	H	336	BRANFORD4T	16B	FIX
73153	BRANFORD	115.0	701	171	1.0518	1.0300	0.9000	1.0500	-	-	H	332	BRANFORD4T	11B	FIX
73153	BRANFORD	115.0	701	171	1.0525	1.0322	0.9000	1.0500	-	-	H	336	BRANFORD4T	24B	FIX
73153	BRANFORD	115.0	701	171	1.0530	1.0321	0.9000	1.0500	-	-	H	332	BRANFORD4T	19B	FIX
73153	BRANFORD	115.0	701	171	1.0532	1.0328	0.9000	1.0500	-	-	H	332	BRANFORD4T	12B	FIX

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Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73153	BRANFORD	115.0	701	171	1.0539	1.0346	0.9000	1.0500	-	-	H	332	BRANFORD4T	20B	FIX
73233	BRISTOL	115.0	701	171	0.8896	1.0111	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73233	BRISTOL	115.0	701	171	0.8921	1.0142	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73678	BROADWAY	115.0	701	185	0.8577	1.0201	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73678	BROADWAY	115.0	701	185	0.8594	1.0157	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73678	BROADWAY	115.0	701	185	0.8731	1.0201	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73147	BULLS BR	115.0	701	171	0.8831	1.0141	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73147	BULLS BR	115.0	701	171	0.8907	1.0145	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73185	BUNKER H	115.0	701	171	0.8532	1.0119	0.9000	1.0500	-	-	L	248	1272-1721DCT	17B	FIX
73185	BUNKER H	115.0	701	171	0.8582	1.0156	0.9000	1.0500	-	-	L	248	1272-1721DCT	25B	FIX
73185	BUNKER H	115.0	701	171	0.8643	1.0154	0.9000	1.0500	-	-	L	244	1272-1721DCT	13B	FIX
73185	BUNKER H	115.0	701	171	0.8657	1.0186	0.9000	1.0500	-	-	L	244	1272-1721DCT	21B	FIX
73185	BUNKER H	115.0	701	171	0.8702	1.0135	0.9000	1.0500	-	-	L	248	1272-1721DCT	14B	FIX
73185	BUNKER H	115.0	701	171	0.8718	1.0160	0.9000	1.0500	-	-	L	248	1272-1721DCT	22B	FIX
73185	BUNKER H	115.0	701	171	0.8746	1.0135	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73185	BUNKER H	115.0	701	171	0.8756	1.0119	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73185	BUNKER H	115.0	701	171	0.8766	1.0165	0.9000	1.0500	-	-	L	244	1272-1721DCT	10B	FIX
73185	BUNKER H	115.0	701	171	0.8773	1.0185	0.9000	1.0500	-	-	L	244	1272-1721DCT	18B	FIX
73185	BUNKER H	115.0	701	171	0.8836	1.0163	0.9000	1.0500	-	-	L	248	1272-1721DCT	15B	FIX
73185	BUNKER H	115.0	701	171	0.8837	1.0138	0.9000	1.0500	-	-	L	248	1272-1721DCT	16B	FIX
73185	BUNKER H	115.0	701	171	0.8842	1.0148	0.9000	1.0500	-	-	L	244	1272-1721DCT	12B	FIX
73185	BUNKER H	115.0	701	171	0.8842	1.0184	0.9000	1.0500	-	-	L	248	1272-1721DCT	23B	FIX
73185	BUNKER H	115.0	701	171	0.8844	1.0174	0.9000	1.0500	-	-	L	244	1272-1721DCT	11B	FIX
73185	BUNKER H	115.0	701	171	0.8847	1.0169	0.9000	1.0500	-	-	L	248	1272-1721DCT	24B	FIX
73185	BUNKER H	115.0	701	171	0.8850	1.0195	0.9000	1.0500	-	-	L	244	1272-1721DCT	19B	FIX
73185	BUNKER H	115.0	701	171	0.8852	1.0173	0.9000	1.0500	-	-	L	244	1272-1721DCT	20B	FIX
73185	BUNKER H	115.0	701	171	0.8897	1.0119	0.9000	1.0500	-	-	L	340	BUNKERH2T	17B	FIX
73185	BUNKER H	115.0	701	171	0.8931	1.0156	0.9000	1.0500	-	-	L	340	BUNKERH2T	25B	FIX
73185	BUNKER H	115.0	701	171	0.8972	1.0154	0.9000	1.0500	-	-	L	336	BUNKERH2T	13B	FIX
73185	BUNKER H	115.0	701	171	0.8974	1.0135	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73185	BUNKER H	115.0	701	171	0.8986	1.0186	0.9000	1.0500	-	-	L	336	BUNKERH2T	21B	FIX

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73203	CAMPV PH	115.0	701	171	0.8879	1.0117	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73203	CAMPV PH	115.0	701	171	0.8891	1.0124	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73211	CANAL	115.0	701	171	0.8947	1.0214	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73211	CANAL	115.0	701	171	0.8970	1.0234	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73180	CARMHILL	115.0	701	171	0.8824	1.0177	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73180	CARMHILL	115.0	701	171	0.8871	1.0179	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73235	CHIP HIL	115.0	701	171	0.8861	1.0087	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73235	CHIP HIL	115.0	701	171	0.8882	1.0111	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73234	CHIPP TP	115.0	701	171	0.8908	1.0122	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73234	CHIPP TP	115.0	701	171	0.8932	1.0152	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73712	CNGRES2A	115.0	701	185	0.9000	1.0252	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73713	CNGRES2B	115.0	701	185	0.9000	1.0252	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73634	COLONY	115.0	701	179	0.8851	1.0056	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73634	COLONY	115.0	701	179	0.8858	1.0075	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73697	CONGRESS	115.0	701	185	0.8774	1.0239	0.9000	1.0500	-	-	L	401	PEQUON42TSTK	17B	FIX
73697	CONGRESS	115.0	701	185	0.8869	1.0242	0.9000	1.0500	-	-	L	401	PEQUON42TSTK	25B	FIX
73117	CTNY398	345.0	701	171	0.9269	1.0081	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73117	CTNY398	345.0	701	171	0.9282	1.0070	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73117	CTNY398	345.0	701	171	0.9401	1.0081	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73117	CTNY398	345.0	701	171	0.9490	1.0081	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73195	DEVON	115.0	701	171	0.8742	1.0116	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73195	DEVON	115.0	701	171	0.8813	1.0238	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73297	DEVON	345.0	701	171	0.8867	1.0119	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73297	DEVON	345.0	701	171	0.8945	1.0121	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73195	DEVON	115.0	701	171	0.8957	1.0238	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73297	DEVON	345.0	701	171	0.9032	1.0119	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73297	DEVON	345.0	701	171	0.9249	1.0119	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73297	DEVON	345.0	701	171	0.9487	1.0121	0.9500	1.0500	-	-	L	224	387LINE	17B	FIX
73126	DEVON#2	115.0	701	171	0.8755	1.0081	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73126	DEVON#2	115.0	701	171	0.8796	1.0178	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73126	DEVON#2	115.0	701	171	0.8942	1.0178	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX

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73277	DEVON10	115.0	701	171	0.8742	1.0116	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73277	DEVON10	115.0	701	171	0.8813	1.0238	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73277	DEVON10	115.0	701	171	0.8957	1.0238	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73690	DEVON178	115.0	701	185	0.8743	1.0117	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73690	DEVON178	115.0	701	185	0.8812	1.0237	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73690	DEVON178	115.0	701	185	0.8956	1.0237	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73691	DEVON179	115.0	701	185	0.8743	1.0117	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73691	DEVON179	115.0	701	185	0.8812	1.0237	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73691	DEVON179	115.0	701	185	0.8956	1.0237	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73191	DRBY J A	115.0	701	171	0.8589	1.0010	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73191	DRBY J A	115.0	701	171	0.8593	1.0070	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73191	DRBY J A	115.0	701	171	0.8752	1.0070	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73191	DRBY J A	115.0	701	171	0.8970	1.0070	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73192	DRBY J B	115.0	701	171	0.8503	0.9966	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73192	DRBY J B	115.0	701	171	0.8524	1.0039	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73192	DRBY J B	115.0	701	171	0.8676	1.0039	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73192	DRBY J B	115.0	701	171	0.8906	1.0039	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73129	E.DEVONJ	115.0	701	171	0.8737	1.0055	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73129	E.DEVONJ	115.0	701	171	0.8837	1.0209	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73129	E.DEVONJ	115.0	701	171	0.8984	1.0209	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73227	E.MERIDN	115.0	701	171	0.8877	1.0049	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73227	E.MERIDN	115.0	701	171	0.8879	1.0062	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73668	E.SHORE	115.0	701	185	0.8645	1.0217	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73668	E.SHORE	115.0	701	185	0.8672	1.0181	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73663	E.SHORE	345.0	701	185	0.8767	1.0074	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73668	E.SHORE	115.0	701	185	0.8804	1.0217	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73663	E.SHORE	345.0	701	185	0.8826	1.0068	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73663	E.SHORE	345.0	701	185	0.8930	1.0074	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73663	E.SHORE	345.0	701	185	0.9171	1.0074	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73663	E.SHORE	345.0	701	185	0.9391	1.0068	0.9500	1.0500	-	-	L	224	387LINE	17B	FIX
73663	E.SHORE	345.0	701	185	0.9416	1.0068	0.9500	1.0500	-	-	L	295	1460-387DCT	17B	FIX



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73682	ELMWST A	115.0	701	185	0.8576	1.0190	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73682	ELMWST A	115.0	701	185	0.8580	1.0135	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73682	ELMWST A	115.0	701	185	0.8667	1.0135	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	17B	FIX
73682	ELMWST A	115.0	701	185	0.8694	1.0135	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	17B	FIX
73682	ELMWST A	115.0	701	185	0.8699	1.0135	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	17B	FIX
73682	ELMWST A	115.0	701	185	0.8709	1.0190	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	14B	FIX
73682	ELMWST A	115.0	701	185	0.8712	1.0190	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	14B	FIX
73682	ELMWST A	115.0	701	185	0.8726	1.0190	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73682	ELMWST A	115.0	701	185	0.8728	1.0173	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	25B	FIX
73682	ELMWST A	115.0	701	185	0.8742	1.0190	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	14B	FIX
73682	ELMWST A	115.0	701	185	0.8751	1.0173	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	25B	FIX
73682	ELMWST A	115.0	701	185	0.8756	1.0173	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	25B	FIX
73682	ELMWST A	115.0	701	185	0.8808	1.0222	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	22B	FIX
73682	ELMWST A	115.0	701	185	0.8810	1.0222	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	22B	FIX
73682	ELMWST A	115.0	701	185	0.8838	1.0222	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	22B	FIX
73682	ELMWST A	115.0	701	185	0.8954	1.0276	0.9000	1.0500	-	-	L	373	GRNDV7TSTK	13B	FIX
73682	ELMWST A	115.0	701	185	0.8968	1.0280	0.9000	1.0500	-	-	L	373	GRNDV7TSTK	21B	FIX
73682	ELMWST A	115.0	701	185	0.8969	1.0276	0.9000	1.0500	-	-	L	436	WRIVER1TSTK	13B	FIX
73682	ELMWST A	115.0	701	185	0.8981	1.0280	0.9000	1.0500	-	-	L	436	WRIVER1TSTK	21B	FIX
73682	ELMWST A	115.0	701	185	0.8987	1.0285	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	15B	FIX
73682	ELMWST A	115.0	701	185	0.8991	1.0285	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	15B	FIX
73683	ELMWST B	115.0	701	185	0.8576	1.0190	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73683	ELMWST B	115.0	701	185	0.8580	1.0135	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73683	ELMWST B	115.0	701	185	0.8642	1.0135	0.9000	1.0500	-	-	L	375	GRNDV5TSTK	17B	FIX
73683	ELMWST B	115.0	701	185	0.8671	1.0135	0.9000	1.0500	-	-	L	374	GRNDV4TSTK	17B	FIX
73683	ELMWST B	115.0	701	185	0.8676	1.0135	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	17B	FIX
73683	ELMWST B	115.0	701	185	0.8687	1.0190	0.9000	1.0500	-	-	L	374	GRNDV4TSTK	14B	FIX
73683	ELMWST B	115.0	701	185	0.8689	1.0190	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	14B	FIX
73683	ELMWST B	115.0	701	185	0.8704	1.0173	0.9000	1.0500	-	-	L	375	GRNDV5TSTK	25B	FIX
73683	ELMWST B	115.0	701	185	0.8720	1.0190	0.9000	1.0500	-	-	L	375	GRNDV5TSTK	14B	FIX
73683	ELMWST B	115.0	701	185	0.8726	1.0190	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX

## List of Voltage Violations: 27.7 GW NE Load, Dispatches 10B - 25B

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Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73683	ELMWST B	115.0	701	185	0.8730	1.0173	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	25B	FIX
73683	ELMWST B	115.0	701	185	0.8734	1.0173	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	25B	FIX
73683	ELMWST B	115.0	701	185	0.8786	1.0222	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	22B	FIX
73683	ELMWST B	115.0	701	185	0.8788	1.0222	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	22B	FIX
73683	ELMWST B	115.0	701	185	0.8817	1.0222	0.9000	1.0500	-	-	L	375	GRNDAV5TSTK	22B	FIX
73683	ELMWST B	115.0	701	185	0.8935	1.0276	0.9000	1.0500	-	-	L	370	GRNDAV4TSTK	13B	FIX
73683	ELMWST B	115.0	701	185	0.8949	1.0280	0.9000	1.0500	-	-	L	370	GRNDAV4TSTK	21B	FIX
73683	ELMWST B	115.0	701	185	0.8950	1.0276	0.9000	1.0500	-	-	L	437	WRIVER2TSTK	13B	FIX
73683	ELMWST B	115.0	701	185	0.8961	1.0280	0.9000	1.0500	-	-	L	437	WRIVER2TSTK	21B	FIX
73683	ELMWST B	115.0	701	185	0.8967	1.0285	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	15B	FIX
73683	ELMWST B	115.0	701	185	0.8971	1.0285	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	15B	FIX
73683	ELMWST B	115.0	701	185	0.8985	1.0307	0.9000	1.0500	-	-	L	437	WRIVER2TSTK	11B	FIX
73683	ELMWST B	115.0	701	185	0.8987	1.0276	0.9000	1.0500	-	-	L	371	GRNDAV5TSTK	13B	FIX
73683	ELMWST B	115.0	701	185	0.8997	1.0280	0.9000	1.0500	-	-	L	371	GRNDAV5TSTK	21B	FIX
73683	ELMWST B	115.0	701	185	0.8999	1.0312	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	16B	FIX
73679	ENG STA	115.0	701	185	0.8591	1.0206	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73679	ENG STA	115.0	701	185	0.8609	1.0164	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73679	ENG STA	115.0	701	185	0.8746	1.0206	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73232	FORESTVL	115.0	701	171	0.8919	1.0129	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73232	FORESTVL	115.0	701	171	0.8945	1.0160	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73189	FREIGHT	115.0	701	171	0.8516	1.0137	0.9000	1.0500	-	-	L	248	1272-1721DCT	17B	FIX
73189	FREIGHT	115.0	701	171	0.8567	1.0174	0.9000	1.0500	-	-	L	248	1272-1721DCT	25B	FIX
73189	FREIGHT	115.0	701	171	0.8627	1.0172	0.9000	1.0500	-	-	L	244	1272-1721DCT	13B	FIX
73189	FREIGHT	115.0	701	171	0.8641	1.0204	0.9000	1.0500	-	-	L	244	1272-1721DCT	21B	FIX
73189	FREIGHT	115.0	701	171	0.8687	1.0150	0.9000	1.0500	-	-	L	248	1272-1721DCT	14B	FIX
73189	FREIGHT	115.0	701	171	0.8702	1.0176	0.9000	1.0500	-	-	L	248	1272-1721DCT	22B	FIX
73189	FREIGHT	115.0	701	171	0.8751	1.0181	0.9000	1.0500	-	-	L	244	1272-1721DCT	10B	FIX
73189	FREIGHT	115.0	701	171	0.8758	1.0201	0.9000	1.0500	-	-	L	244	1272-1721DCT	18B	FIX
73189	FREIGHT	115.0	701	171	0.8769	1.0150	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73189	FREIGHT	115.0	701	171	0.8780	1.0137	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73189	FREIGHT	115.0	701	171	0.8821	1.0179	0.9000	1.0500	-	-	L	248	1272-1721DCT	15B	FIX

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73189	FREIGHT	115.0	701	171	0.8822	1.0155	0.9000	1.0500	-	-	L	248	1272-1721DCT	16B	FIX
73189	FREIGHT	115.0	701	171	0.8827	1.0165	0.9000	1.0500	-	-	L	244	1272-1721DCT	12B	FIX
73189	FREIGHT	115.0	701	171	0.8827	1.0200	0.9000	1.0500	-	-	L	248	1272-1721DCT	23B	FIX
73189	FREIGHT	115.0	701	171	0.8829	1.0191	0.9000	1.0500	-	-	L	244	1272-1721DCT	11B	FIX
73189	FREIGHT	115.0	701	171	0.8832	1.0186	0.9000	1.0500	-	-	L	248	1272-1721DCT	24B	FIX
73189	FREIGHT	115.0	701	171	0.8835	1.0212	0.9000	1.0500	-	-	L	244	1272-1721DCT	19B	FIX
73189	FREIGHT	115.0	701	171	0.8837	1.0191	0.9000	1.0500	-	-	L	244	1272-1721DCT	20B	FIX
73260	FRKLN DR	115.0	701	171	0.8909	1.0142	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73260	FRKLN DR	115.0	701	171	0.8918	1.0149	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73202	FROST BR	115.0	701	171	0.8884	1.0230	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73202	FROST BR	115.0	701	171	0.8899	1.0224	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73104	FRSTBDGE	345.0	701	171	0.9028	1.0186	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73104	FRSTBDGE	345.0	701	171	0.9030	1.0194	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73104	FRSTBDGE	345.0	701	171	0.9277	1.0194	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73104	FRSTBDGE	345.0	701	171	0.9375	1.0194	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73104	FRSTBDGE	345.0	701	171	0.9477	1.0186	0.9500	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73104	FRSTBDGE	345.0	701	171	0.9489	1.0186	0.9500	1.0500	-	-	L	224	387LINE	17B	FIX
73669	GRAND AV	115.0	701	185	0.8588	1.0206	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73669	GRAND AV	115.0	701	185	0.8606	1.0163	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73669	GRAND AV	115.0	701	185	0.8743	1.0206	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73265	GREEN HL	115.0	701	171	0.8246	0.9918	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73265	GREEN HL	115.0	701	171	0.8253	0.9900	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73265	GREEN HL	115.0	701	171	0.8496	0.9918	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73265	GREEN HL	115.0	701	171	0.8686	0.9918	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73265	GREEN HL	115.0	701	171	0.8826	0.9900	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73265	GREEN HL	115.0	701	171	0.8855	0.9900	0.9000	1.0500	-	-	L	224	387LINE	17B	FIX
73121	HADAUTO	345.0	701	171	0.9390	1.0196	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73121	HADAUTO	345.0	701	171	0.9414	1.0202	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73197	HANOVERA	115.0	701	171	0.8975	1.0172	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73182	HANOVERB	115.0	701	171	0.8852	1.0072	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73182	HANOVERB	115.0	701	171	0.8862	1.0095	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX

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73711	HAWTH R	115.0	701	185	0.8838	1.0141	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73711	HAWTH R	115.0	701	185	0.8900	1.0114	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73711	HAWTH R	115.0	701	185	0.8968	1.0141	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73710	HAWTHORN	115.0	701	185	0.8940	1.0167	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73705	IND.WELL	115.0	701	185	0.8456	0.9941	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73705	IND.WELL	115.0	701	185	0.8474	1.0013	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73705	IND.WELL	115.0	701	185	0.8624	1.0013	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73705	IND.WELL	115.0	701	185	0.8857	1.0013	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73707	JUNE ST	115.0	701	185	0.8315	1.0031	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73707	JUNE ST	115.0	701	185	0.8342	1.0096	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73707	JUNE ST	115.0	701	185	0.8505	1.0096	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73707	JUNE ST	115.0	701	185	0.8763	1.0096	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73707	JUNE ST	115.0	701	185	0.8942	1.0031	0.9000	1.0500	-	-	L	224	387LINE	17B	FIX
73707	JUNE ST	115.0	701	185	0.8948	1.0031	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73105	LONG MTN	345.0	701	171	0.9105	1.0084	0.9500	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73105	LONG MTN	345.0	701	171	0.9140	1.0082	0.9500	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73105	LONG MTN	345.0	701	171	0.9264	1.0084	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73105	LONG MTN	345.0	701	171	0.9373	1.0084	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73193	LUCHJA90	115.0	701	171	0.8990	1.0185	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73184	LUCHJB55	115.0	701	171	0.8867	1.0086	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73184	LUCHJB55	115.0	701	171	0.8877	1.0108	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73122	MERID362	345.0	701	171	0.9282	1.0300	0.9500	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73122	MERID362	345.0	701	171	0.9307	1.0300	0.9500	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73268	MIDDLRIV	115.0	701	171	0.8851	1.0106	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73268	MIDDLRIV	115.0	701	171	0.8953	1.0113	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73125	MILFORD	115.0	701	171	0.8737	1.0055	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73125	MILFORD	115.0	701	171	0.8846	1.0218	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73125	MILFORD	115.0	701	171	0.8994	1.0218	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73676	MILL RVR	115.0	701	185	0.8585	1.0205	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	14B	FIX
73676	MILL RVR	115.0	701	185	0.8603	1.0162	0.9000	1.0500	-	-	L	460	SCOV RK8TSTK	17B	FIX
73676	MILL RVR	115.0	701	185	0.8740	1.0205	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX

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73688	MILVON A	115.0	701	185	0.8697	1.0109	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73688	MILVON A	115.0	701	185	0.8755	1.0219	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73688	MILVON A	115.0	701	185	0.8898	1.0219	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73689	MILVON B	115.0	701	185	0.8697	1.0109	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73689	MILVON B	115.0	701	185	0.8755	1.0219	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73689	MILVON B	115.0	701	185	0.8898	1.0219	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73675	MIX AVE	115.0	701	185	0.8224	1.0037	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73675	MIX AVE	115.0	701	185	0.8230	1.0084	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73675	MIX AVE	115.0	701	185	0.8388	1.0084	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73675	MIX AVE	115.0	701	185	0.8664	1.0084	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73675	MIX AVE	115.0	701	185	0.8868	1.0037	0.9000	1.0500	-	-	L	224	387LINE	17B	FIX
73675	MIX AVE	115.0	701	185	0.8879	1.0037	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73194	NEWTOWN	115.0	701	171	0.8748	1.0090	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73194	NEWTOWN	115.0	701	171	0.8815	1.0080	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73194	NEWTOWN	115.0	701	171	0.8922	1.0090	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73671	NO.HAVEN	115.0	701	185	0.8498	1.0203	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73671	NO.HAVEN	115.0	701	185	0.8512	1.0174	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73671	NO.HAVEN	115.0	701	185	0.8692	1.0203	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73671	NO.HAVEN	115.0	701	185	0.8892	1.0203	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73671	NO.HAVEN	115.0	701	185	1.0510	1.0417	0.9000	1.0500	-	-	H	383	NOHAVN2TSTK	19B	FIX
73671	NO.HAVEN	115.0	701	185	1.0512	1.0414	0.9000	1.0500	-	-	H	387	NOHAVN2TSTK	24B	FIX
73671	NO.HAVEN	115.0	701	185	1.0523	1.0420	0.9000	1.0500	-	-	H	383	NOHAVN2TSTK	12B	FIX
73671	NO.HAVEN	115.0	701	185	1.0543	1.0432	0.9000	1.0500	-	-	H	383	NOHAVN2TSTK	20B	FIX
73633	NO.WALLF	115.0	701	179	0.8861	1.0047	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73633	NO.WALLF	115.0	701	179	0.8866	1.0063	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73201	NOERA	115.0	701	171	0.8854	1.0184	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73181	NOERA	115.0	701	171	0.8862	1.0190	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73201	NOERA	115.0	701	171	0.8872	1.0187	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73181	NOERA	115.0	701	171	0.8880	1.0194	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX
73200	NOERA JA	115.0	701	171	0.8882	1.0207	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	14B	FIX
73200	NOERA JA	115.0	701	171	0.8900	1.0211	0.9000	1.0500	-	-	L	460	SCOVRK8TSTK	17B	FIX

## List of Voltage Violations: 27.7 GW NE Load, Dispatches 10B - 25B

Existing 387 Line

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Sorted by bus name, then contingency voltage

Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73205	NOERA JB	115.0	701	171	0.8873	1.0201	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73205	NOERA JB	115.0	701	171	0.8891	1.0204	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73293	NORWALK	345.0	701	171	0.8890	1.0084	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73293	NORWALK	345.0	701	171	0.8997	1.0107	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73293	NORWALK	345.0	701	171	0.9058	1.0084	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73293	NORWALK	345.0	701	171	0.9261	1.0084	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73709	OLD TOWN	115.0	701	185	0.8831	1.0150	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73709	OLD TOWN	115.0	701	185	0.8876	1.0115	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73709	OLD TOWN	115.0	701	185	0.8962	1.0150	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73371	ORANGE	345.0	701	185	0.8779	1.0075	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73371	ORANGE	345.0	701	185	0.8841	1.0071	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73371	ORANGE	345.0	701	185	0.8942	1.0075	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73371	ORANGE	345.0	701	185	0.9181	1.0075	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73371	ORANGE	345.0	701	185	0.9403	1.0071	0.9500	1.0500	-	-	L	224	387LINE	17B	FIX
73371	ORANGE	345.0	701	185	0.9428	1.0071	0.9500	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73174	PEACEABL	115.0	701	171	0.8998	1.0151	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73716	PEQBETAP	115.0	701	185	0.8881	1.0112	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73716	PEQBETAP	115.0	701	185	0.8968	1.0122	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73115	PLUMTREE	345.0	701	171	0.8883	1.0034	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73170	PLUMTREE	115.0	701	171	0.8909	1.0154	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73115	PLUMTREE	345.0	701	171	0.8976	1.0051	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73115	PLUMTREE	345.0	701	171	0.9060	1.0034	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73115	PLUMTREE	345.0	701	171	0.9228	1.0034	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73115	PLUMTREE	345.0	701	171	0.9465	1.0051	0.9500	1.0500	-	-	L	224	387LINE	17B	FIX
73115	PLUMTREE	345.0	701	171	0.9468	1.0051	0.9500	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73670	QUINNIP	115.0	701	185	0.8506	1.0183	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73670	QUINNIP	115.0	701	185	0.8524	1.0143	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73670	QUINNIP	115.0	701	185	0.8665	1.0183	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73670	QUINNIP	115.0	701	185	0.8944	1.0183	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73143	RDGEFLDA	115.0	701	171	0.8957	1.0115	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73146	RDGEFLDB	115.0	701	171	0.8955	1.0115	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX

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Bus #	Bus Name	KV	Area	Zone	Cont Volt	Base Volt	Low Limit	Upp Limit	Volt Drop	Volt Rise	Viol	Ncon	Contin. Description	Dispatch	Controls
73155	RDGFLD J	115.0	701	171	0.8994	1.0150	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73280	RKRIV PF	115.0	701	171	0.8865	1.0171	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73280	RKRIV PF	115.0	701	171	0.8940	1.0175	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73190	ROCK RIV	115.0	701	171	0.8865	1.0171	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73190	ROCK RIV	115.0	701	171	0.8940	1.0175	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73672	SACKETT	115.0	701	185	0.8484	1.0214	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73672	SACKETT	115.0	701	185	0.8494	1.0169	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73672	SACKETT	115.0	701	185	0.8638	1.0214	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73672	SACKETT	115.0	701	185	0.8939	1.0214	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73673	SACKPHS	115.0	701	185	0.8246	1.0054	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73673	SACKPHS	115.0	701	185	0.8249	1.0101	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73673	SACKPHS	115.0	701	185	0.8406	1.0101	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73673	SACKPHS	115.0	701	185	0.8684	1.0101	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73673	SACKPHS	115.0	701	185	0.8890	1.0054	0.9000	1.0500	-	-	L	224	387LINE	17B	FIX
73673	SACKPHS	115.0	701	185	0.8903	1.0054	0.9000	1.0500	-	-	L	295	1460-387DCT	17B	FIX
73127	SGTNB RX	115.0	701	171	0.8994	1.0234	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73128	SGTNB2 R	115.0	701	171	0.8990	1.0231	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73183	SHAWSHIL	115.0	701	171	0.8812	1.0181	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73183	SHAWSHIL	115.0	701	171	0.8825	1.0171	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73178	SHEPAUG	115.0	701	171	0.8884	1.0116	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73178	SHEPAUG	115.0	701	171	0.8983	1.0122	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73301	SINGER	345.0	701	186	0.8881	1.0112	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73301	SINGER	345.0	701	186	0.8968	1.0122	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73301	SINGER	345.0	701	186	0.9047	1.0112	0.9500	1.0500	-	-	L	224	387LINE	14B	FIX
73301	SINGER	345.0	701	186	0.9259	1.0112	0.9500	1.0500	-	-	L	295	1460-387DCT	14B	FIX
73282	SNDYHK	115.0	701	171	0.8686	1.0082	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73282	SNDYHK	115.0	701	171	0.8731	1.0061	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73282	SNDYHK	115.0	701	171	0.8863	1.0082	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73199	SO.NAUG	115.0	701	171	0.8636	1.0023	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73199	SO.NAUG	115.0	701	171	0.8644	1.0068	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73199	SO.NAUG	115.0	701	171	0.8836	1.0023	0.9000	1.0500	-	-	L	248	1272-1721DCT	17B	FIX

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73199	SO.NAUG	115.0	701	171	0.8839	1.0068	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73199	SO.NAUG	115.0	701	171	0.8886	1.0053	0.9000	1.0500	-	-	L	248	1272-1721DCT	25B	FIX
73199	SO.NAUG	115.0	701	171	0.8942	1.0060	0.9000	1.0500	-	-	L	244	1272-1721DCT	13B	FIX
73199	SO.NAUG	115.0	701	171	0.8955	1.0084	0.9000	1.0500	-	-	L	244	1272-1721DCT	21B	FIX
73198	SOUTHGTN	115.0	701	171	0.8973	1.0204	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73198	SOUTHGTN	115.0	701	171	0.8989	1.0232	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73106	SOUTHGTN	345.0	701	171	0.9158	1.0243	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73106	SOUTHGTN	345.0	701	171	0.9183	1.0252	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73187	STEVENS	115.0	701	171	0.8648	1.0081	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73187	STEVENS	115.0	701	171	0.8676	1.0052	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73187	STEVENS	115.0	701	171	0.8828	1.0081	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73165	STONY HL	115.0	701	171	0.8902	1.0148	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73165	STONY HL	115.0	701	171	0.9000	1.0154	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
1003	STONYCAP	115.0	701	171	0.8902	1.0148	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
1003	STONYCAP	115.0	701	171	0.9000	1.0154	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73240	THOMASTN	115.0	701	171	0.8850	1.0085	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73240	THOMASTN	115.0	701	171	0.8866	1.0100	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73204	TODD	115.0	701	171	0.8888	1.0197	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73204	TODD	115.0	701	171	0.8907	1.0206	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73245	TORR TER	115.0	701	171	0.8890	1.0130	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73245	TORR TER	115.0	701	171	0.8900	1.0136	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73704	TRAP FLS	115.0	701	185	0.8604	1.0015	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73704	TRAP FLS	115.0	701	185	0.8625	1.0092	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73704	TRAP FLS	115.0	701	185	0.8776	1.0092	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73176	TRIANGLE	115.0	701	171	0.8858	1.0112	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73176	TRIANGLE	115.0	701	171	0.8960	1.0119	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73224	TRMB J A	115.0	701	171	0.8898	1.0194	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73224	TRMB J A	115.0	701	171	0.8921	1.0155	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73225	TRMB J B	115.0	701	171	0.8867	1.0179	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73225	TRMB J B	115.0	701	171	0.8894	1.0142	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73148	U.A.C.	115.0	701	171	0.8982	1.0181	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX



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73208	U.A.C.TP	115.0	701	171	0.8982	1.0181	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73179	W.BRKFLD	115.0	701	171	0.8855	1.0129	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73179	W.BRKFLD	115.0	701	171	0.8945	1.0134	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73680	WATER ST	115.0	701	185	0.8579	1.0201	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73680	WATER ST	115.0	701	185	0.8596	1.0157	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73680	WATER ST	115.0	701	185	0.8733	1.0201	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73686	WDMONT A	115.0	701	185	0.8606	1.0107	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73686	WDMONT A	115.0	701	185	0.8633	1.0190	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73686	WDMONT A	115.0	701	185	0.8777	1.0190	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73687	WDMONT B	115.0	701	185	0.8606	1.0107	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73687	WDMONT B	115.0	701	185	0.8633	1.0190	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73687	WDMONT B	115.0	701	185	0.8777	1.0190	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73263	WEINGART	115.0	701	171	0.8929	1.0130	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73263	WEINGART	115.0	701	171	0.8937	1.0136	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73681	WEST RIV	115.0	701	185	0.8582	1.0199	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73681	WEST RIV	115.0	701	185	0.8595	1.0152	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73681	WEST RIV	115.0	701	185	0.8735	1.0199	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73158	WESTON	115.0	701	171	0.8938	1.0122	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73631	WLNGF PF	115.0	701	179	0.8530	1.0181	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14B	FIX
73631	WLNGF PF	115.0	701	179	0.8539	1.0156	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17B	FIX
73631	WLNGF PF	115.0	701	179	0.8737	1.0181	0.9000	1.0500	-	-	L	224	387LINE	14B	FIX
73631	WLNGF PF	115.0	701	179	0.8934	1.0181	0.9000	1.0500	-	-	L	295	1460-387DCT	14B	FIX