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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,
387 Line Reconductored, NE-NY ± 700 MW

Prepared for:

The United Illuminating Company

and

Northeast Utilities

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Executive Summary

This report summarizes power flow analysis conducted for The United Illuminating Company (UI) and Northeast Utilities (NU) for one option 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.¹ 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

In addition to the above transmission alternative, the study assumes re-conductoring of the limiting portion of the East Shore to Scovill Rock 345 kV line (387 line) from a single 2156 ACSR conductor to a bundled 2 x 954 ACSR conductor. This raises the normal rating of the line from 1240 MVA to 1488 MVA, and the long-time emergency rating from 1604 MVA to 1912 MVA. It also results in a reduction in the impedance of the line of about 9%.

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 conductor is modeled.

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

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.

The loading analysis found that the East Shore to Scovill Rock 345 kV line is above normal rating in two base cases in the range of 5% to 7%. 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:

	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
SWCT Dispatch ID	2C-5C	6C-9C	10C-13C	14C-17C	18C-21C	22C-25C
345 kV Line	0	3	2	5	0	0
115 kV Line	23	25	24	28	23	23
345/115 AutoTrans	1	1	1	1	1	1
138 kV CT-LI Tie (2)	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 NHHS off and NE-NY 700 MW results in the most overloads.

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

	Number of Bus Voltage Violations					
	NE-NY 0 MW (Note1)		NE-NY 700 MW		NY-NE 700 MW	
	NHHS On	NHHS Off	NHHS On	NHHS Off	NHHS On	NHHS Off
SWCT Dispatch ID	2C-5C	6C-9C	10C-13C	14C-17C	18C-21C	22C-25C
345 kV Violations						
115 kV Violations	9	11	9	7	9	10

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

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 (SCOVrk8TSTK). 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.² 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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In addition to the above transmission alternative, the study assumes re-conductoring of the limiting portion of the East Shore to Scovill Rock 345 kV line (387 line) from a single 2156 ACSR conductor to a bundled 2 x 954 ACSR conductor. This raises the normal rating of the line from 1240 MVA to 1488 MVA, and the long-time emergency rating from 1604 MVA to 1912 MVA. It also results in a reduction in the impedance of the line of about 9%.

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 one except that the existing 387 line conductor is modeled.

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

The objective of this study is to analyze and document the performance of this transmission configuration for steady-state base case and post-contingency transmission power flows and voltages. 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
Appendix C	Contingency File
Appendix D	Generation Dispatches
Appendix E	Summary of Overloads
Appendix F	Summary of Voltage Violations

2. Database

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

2.1. Power Flow Base Cases

Four power flow base cases, which included the approved Bethel to Norwalk 345-kV project in service, were utilized. PowerGEM revised each of the four cases to add the “East Shore 27-OH/UG” transmission project. Details regarding the modeling of these circuits are provided in Appendix A. In addition the 345/115 kV autotransformers were removed from the 387 line path (currently tripping of the 387 line also trips these transformers, which are in series with the line).

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.

Further, the impedance and ratings of the East Shore to Scovill Rock 345 kV line (387 line) were revised to reflect re-conductoring. The existing line has a portion with a single 2156 ACSR conductor (Black Pond Junction to Scovill Rock Switching station) and a portion with 2x 954 bundled ACSR conductor (Black Pond Junction to East Shore Substation). The data used in this analysis for re-conductoring assumed that the 2156 ACSR conductor is replaced by 2 x 954 conductor ACSR. The data is given below.

East Shore to Scovill Rock 345 kV Line Modeling Data						
	Impedances (p.u)			Ratings MVA		
	R	X	B	Normal	LTE	STE
Existing Line	0.00137	0.01767	0.26688	1240	1604	1966
Re-conductored Line	0.00136	0.01618	0.28561	1488	1912	2098

The re-conductoring results in about a 9% decrease in the line impedance, and about a 20% increase in the line loading capability.

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	10C	14C	18C	22C
3	11C	15C	19C	23C
4	12C	16C	20C	24C
5	13C	17C	21C	25C

The “C” in the identifier signifies that the modeling of the 387 line assumes that the line has been reconductored, as discussed above.

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	91%	107%	77%	93%
3	66%	82%	52%	68%
4	52%	68%	38%	54%
5	89%	105%	75%	91%

As indicated in the table, the 387 line is overloaded in the base case for two 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		
			10C	11C	14C	15C	17C	18C	19C	22C	23C	
73107	SCOVL RK 345	73663 E.SHORE 345 1			107.3			105.3				
73169	RYTN J A 115	73172 NORWALK 115 1	111.4	106.8	114.0	108.9		113.8	109.1	116.9	111.6	
73172	NORWALK 115	73207 FLAX HIL 115 1	119.8	115.2	122.3	117.3		122.2	117.6	125.2	120.0	
73207	FLAX HIL 115	73271 RYTN J B 115 1			101.9			101.5		104.8		

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 five existing 345 kV lines that experience post-contingency overloads (the East Shore to Scovill Rock 345 kV 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:

Maximum Post-Contingency Overloads 345 kV Transmission		
Line Name	Contingency Rating	Max Overload
Frost Bridge to Southington (existing O/H Line)	1446 MVA	20.4%
Southington to Meriden (existing O/H Line)	1912 MVA	14.5%
Scovill Rock to Kleen Energy and Manchester (existing O/H Line)	1446 MVA	0.3%
Scovill Rock to East Shore (reconductored O/H Line)	1912 MVA	15.0%
Haddam Auto to Millstone (existing O/H Line)	1524 MVA	3.4%
Norwalk to Singer (underground cable in transmission alternative in this study)	794 MVA	3.8%

One 345/115kV transformer at Southington experiences post-contingency overloads in almost all of the dispatches studied, with the maximum overload being 33.5 percent.

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

Finally, for dispatches 21C and 25C the transformers associated with the Connecticut to Long Island AC cables (1385 line) are overloaded by up to 23% 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 10C - 25C, Reconductored 387 Line

345 kV Line			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			10C	11C	12C	13C	14C	15C	16C	17C	18C	19C	20C	21C	22C	23C	24C	25C								
115 kV Line			Max Ovld																							
73104	FRSTBDGE	345 73106 SOUTHGTN 345 1	20.4	2.4			4.2	19.7			20.4															
73106	SOUTHGTN	345 73122 MERID362 345 1	14.5					14.5			14.2															
73106	SOUTHGTN	345 73154 SGTN B 115 2	33.5	26.0	17.8	13.7	28.0	31.3	22.5	18.6	33.5	7.8		9.6	12.9	4.4	0.5	14.6								
73107	SCOVL RK	345 73114 KLEEN 345 1	0.3					0.3			0.1															
73107	SCOVL RK	345 73663 E.SHORE 345 1	15.0					14.9			15.0															
73121	HADAUTO	345 73110 MILLSTNE 345 1	3.4					1.6			3.4															
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								
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								
73164	BALDWNJA	115 73187 STEVENSN 115 1	4.3					4.3																		
73164	BALDWNJA	115 73202 FROST BR 115 1	14.3					14.3			9.1				7.6											
73166	NORHR138	138 73171 NWLK HAR 115 1	22.5										16.0					22.5								
73167	SO.END	115 73294 GLNBK 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								
73168	GLNBROOK	115 73169 RYTN J A 115 1	3.4				1.2				2.4			2.1				3.4								
73168	GLNBROOK	115 73237 ELYAVE 115 1	54.7			50.4	53.5			50.9	54.0			51.4	53.8			51.7	54.7							
73168	GLNBROOK	115 73271 RYTN J B 115 1	49.0	18.5	15.1	37.3	45.8	20.4	16.7	38.7	47.5	20.0	16.6	39.0	47.4	21.9	18.2	40.4	49.0							
73169	RYTN J A	115 73171 NWLK HAR 115 1	44.6			43.3	43.7			43.3	43.8			44.6	42.7			43.8	43.9							
73169	RYTN J A	115 73172 NORWALK 115 1	86.5	80.0	74.7			82.8	77.0			82.9	77.6			86.5	80.5									
73170	PLUMTREE	115 73176 TRIANGLE 115 1	88.7	76.7	74.8	73.4	75.6	88.0	86.1	74.5	87.3	78.0	75.0	71.8	75.2	88.7	76.6	72.7	85.1							
73170	PLUMTREE	115 73176 TRIANGLE 115 2	35.3	35.1	35.0	34.8	34.9	35.2	35.2	35.0	35.1	35.2	34.9	34.5	34.8	35.3	35.2	34.7	34.9							
73170	PLUMTREE	115 73268 MIDDLERIV 115 1	187.8	184.0	183.6	183.2	183.7	187.6	187.1	183.6	187.3	184.4	183.5	182.5	183.4	187.8	184.1	182.8	187.0							
73171	NWLK HAR	115 73237 ELYAVE 115 1	60.7			48.5	57.2			49.8	58.8			51.4	58.1			52.1	60.7							
73171	NWLK HAR	115 73271 RYTN J B 115 1	4.4			4.3	4.2			4.2	4.4			4.3	4.2			4.2	4.4							
73172	NORWALK	115 73207 FLAX HIL 115 1	101.0	94.4	89.2			97.2	91.5			97.5	92.1			101.0	95.0									
73183	SHAWSHIL	115 73185 BUNKER H 115 1	11.5	4.0			4.2	11.3			11.5	1.5			1.8	8.7			8.8							
73188	BCNFL PF	115 73192 DRBY J B 115 1	33.4	29.8	27.5	26.4	32.0	31.2	28.0	26.9	33.2	29.8	27.6	26.5	32.0	30.9	28.1	26.9	33.4							
73196	GLEN JCT	115 73198 SOUTHGTN 115 1	31.1	2.3			1.8	31.1			29.3					11.0			10.1							
73196	GLEN JCT	115 73675 MIX AVE 115 1	2.1					2.1																		
73198	SOUTHGTN	115 73631 WLNGF PF 115 1	10.4					10.4			9.4															
73207	FLAX HIL	115 73271 RYTN J B 115 1	83.7	77.0	71.7			79.9	74.1			80.0	74.6			83.7	77.5									
73224	TRMB J A	115 73700 PEQUONIC 115 1	3.0			3.0								1.4												
73228	BALDWNJB	115 73185 BUNKER H 115 1	5.5					5.5			3.2															
73230	HADDAM	115 73231 BOKUM 115 1	25.2	11.3			11.1	25.1	1.7		25.2	3.4			3.4	17.2			17.1							
73230	HADDAM	115 73231 BOKUM 115 2	8.8					8.7			8.8					1.8			1.8							
73231	BOKUM	115 73265 GREEN HL 115 1	2.7					2.7			2.3															
73268	MIDDLERIV	115 73176 TRIANGLE 115 1	126.4	123.0	122.6	122.3	122.7	126.2	125.8	122.5	126.0	123.3	122.6	121.8	122.6	126.4	123.0	122.1	125.8							
73317	NORSING2	345 73315 SINGNOR2 345 1	3.8		3.8																					
73669	GRAND AV	115 73681 WEST RIV 115 1	3.8				3.8							1.5												
73669	GRAND AV	115 73681 WEST RIV 115 2	3.8				3.8							1.5												
73701	CRRA JCT	115 73703 ASHCREEK 115 1	0.6	0.1	0.6				0.3			0.1	0.6			0.2	0.5									
75053	NRTHPT P	138 75051 NRTHPRT1 138 1	11.4											5.3					11.4							

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	
	14C	17C
DEVON	0.074	0.057
E. SHORE	0.085	0.069
FRSTBDGE	0.055	0.048
HADAUTO	0.015	0.012
HADDM NK	0.001	
LONG MTN	0.047	0.037
MERID362	0.026	0.023
NORWALK	0.071	0.051
PLUMTREE	0.071	0.053
SINGER	0.073	0.054
SOUTHGTN	0.039	0.035
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 the table above and Table 2 indicate the amount, in per-unit, that the bus voltage is below the low voltage criteria. More detailed information on the results of the voltage analysis may be found in tables in Appendix F, *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 10C - 25C, Reconductored 387 Lune
(excludes contingency SCOVK8TSTK)

115 kV Bus	Worst Viol	NE-NY 700 MW							NY-NE 700 MW							
		NHHS On				NHHS Off			NHHS On				NHHS Off			
		10C	11C	12C	13C	15C	16C	17C	18C	19C	20C	21C	22C	23C	24C	25C
BALDWINB	0.046	0.023	0.016	0.016	0.036	0.016	0.016	0.046	0.023	0.015	0.015	0.034	0.028	0.016	0.015	0.040
BCNFL PF	0.011				0.006							0.005				0.011
BUNKER H	0.045	0.023	0.015	0.016	0.035	0.016	0.016	0.045	0.022	0.015	0.015	0.034	0.027	0.016	0.015	0.040
CONGRESS	0.018							0.018								0.009
ELMWST A	0.023				0.004	0.001						0.003	0.017			0.023
ELMWST B	0.025				0.006	0.003						0.005	0.019			0.025
FREIGHT	0.047	0.025	0.017	0.017	0.037	0.018	0.018	0.047	0.024	0.016	0.016	0.036	0.029	0.017	0.017	0.042
SO.NAUG	0.010				0.006							0.004				0.010

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-conductored, New Haven Harbor Station On-Line, NE-NY 0 MW, PowerGEM Report 10021.001-3 dated January 28, 2004
4. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, New Haven Harbor Station Off-Line, NE-NY 0 MW, PowerGEM Report 10021.001-4 dated January 28, 2004
5. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY ± 700 MW, PowerGEM Report 10021.001-5 dated February 16, 2004.

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	10C	14C	18C	22C
3	11C	15C	19C	23C
4	12C	16C	20C	24C
5	13C	17C	21C	25C

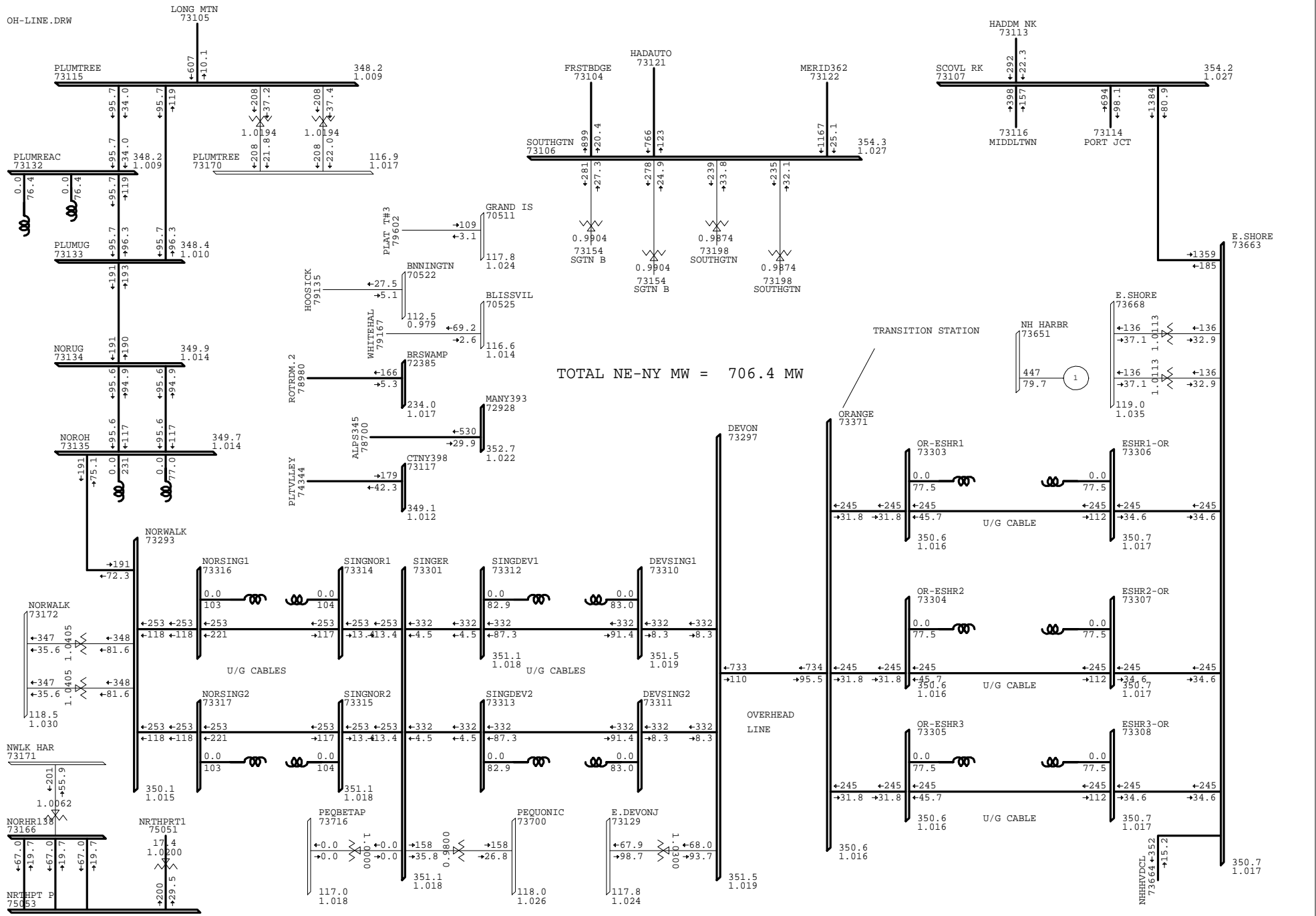
NHHS = 447 MW New Haven Harbor Station

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

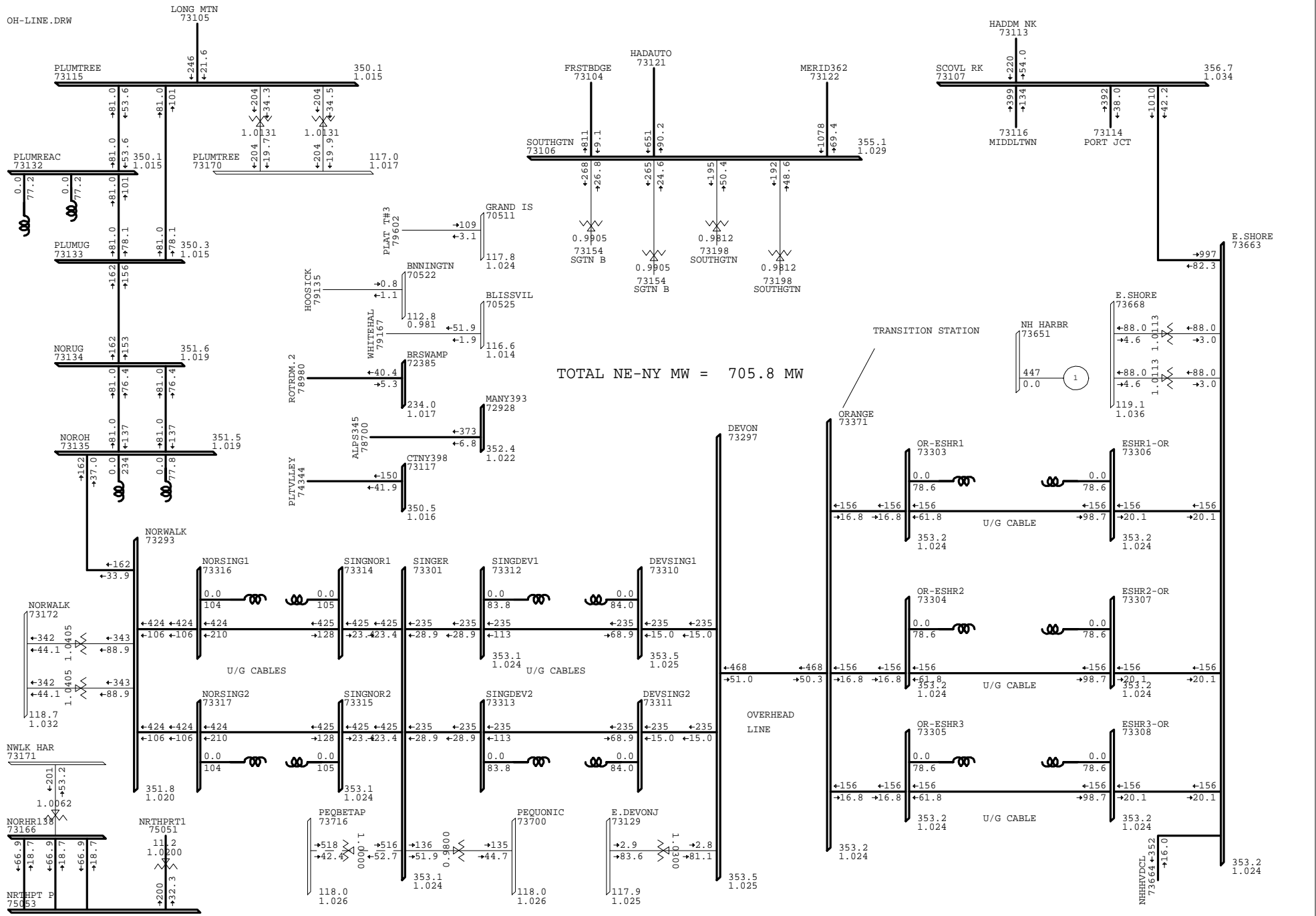
Dispatch Changes to Create 700 MW NY to NE Cases

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

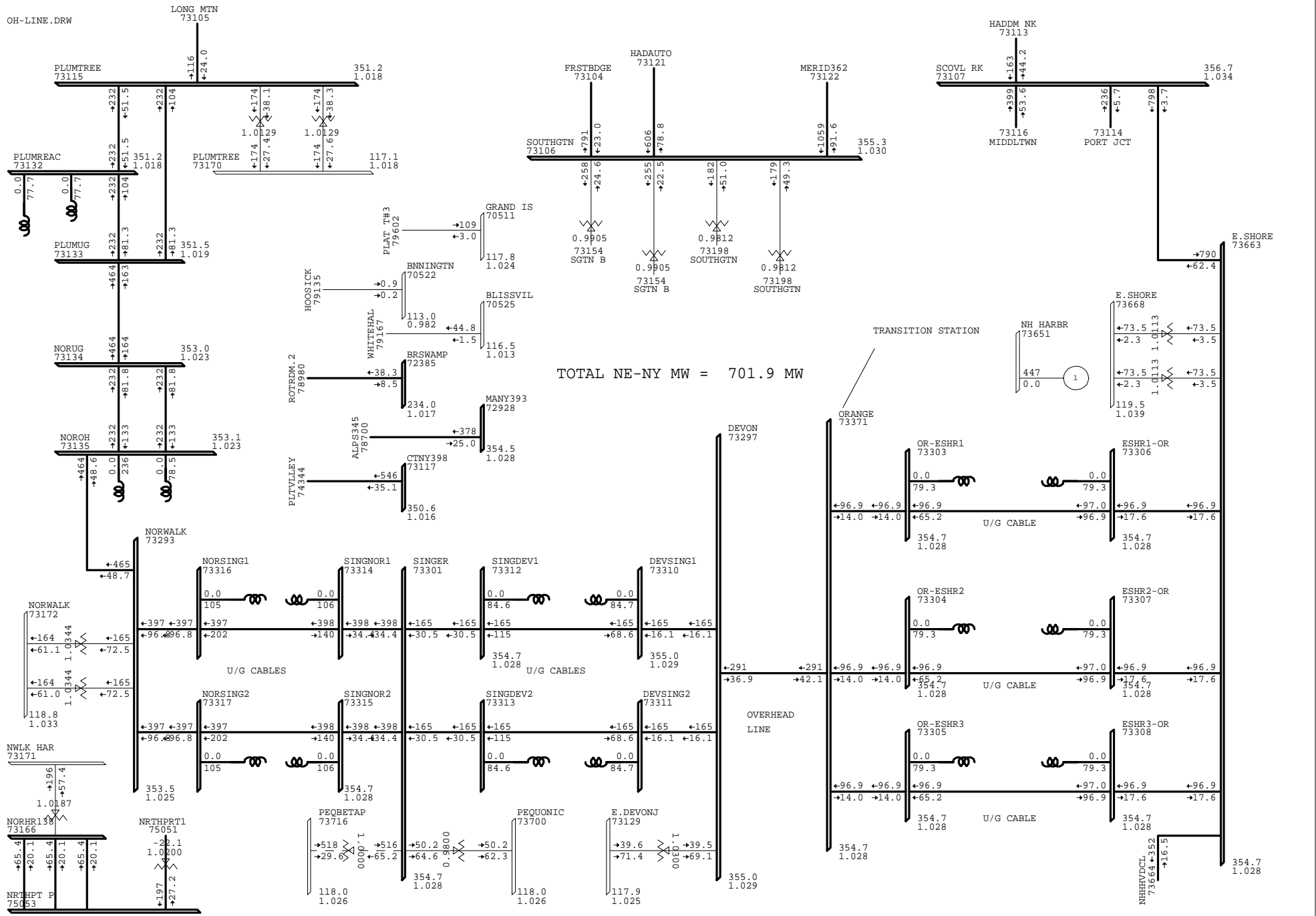


TOTAL NE-NY MW = 706.4 MW

	<p>EN277-10C, 27.7 GW, DISP 10, E.SHR-NRWK U/G+O/H, NE-NY 700 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387 BASE CASE FRI, JAN 16 2004 13:28</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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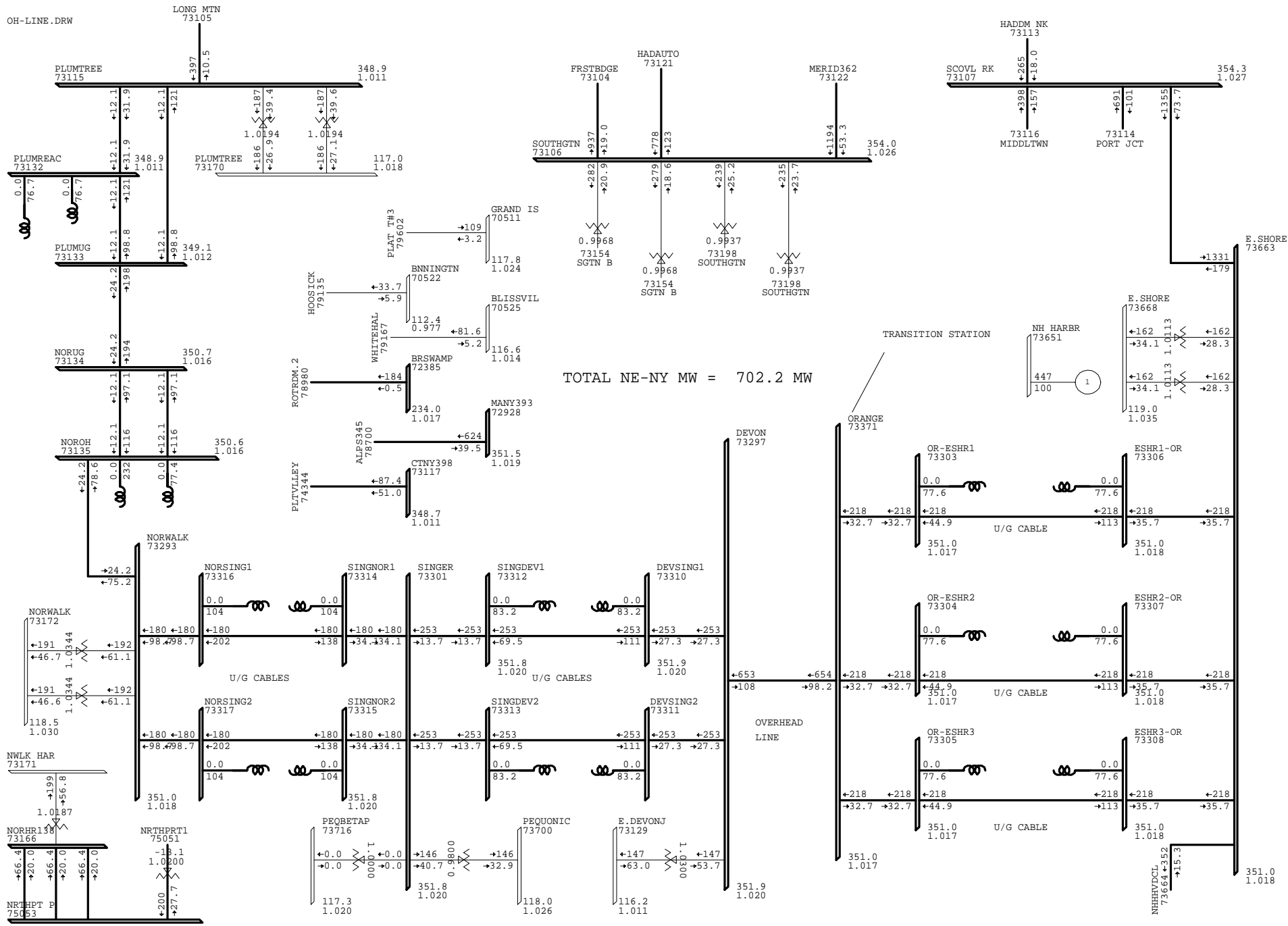


TOTAL NE-NY MW = 705.8 MW



TOTAL NE-NY MW = 701.9 MW





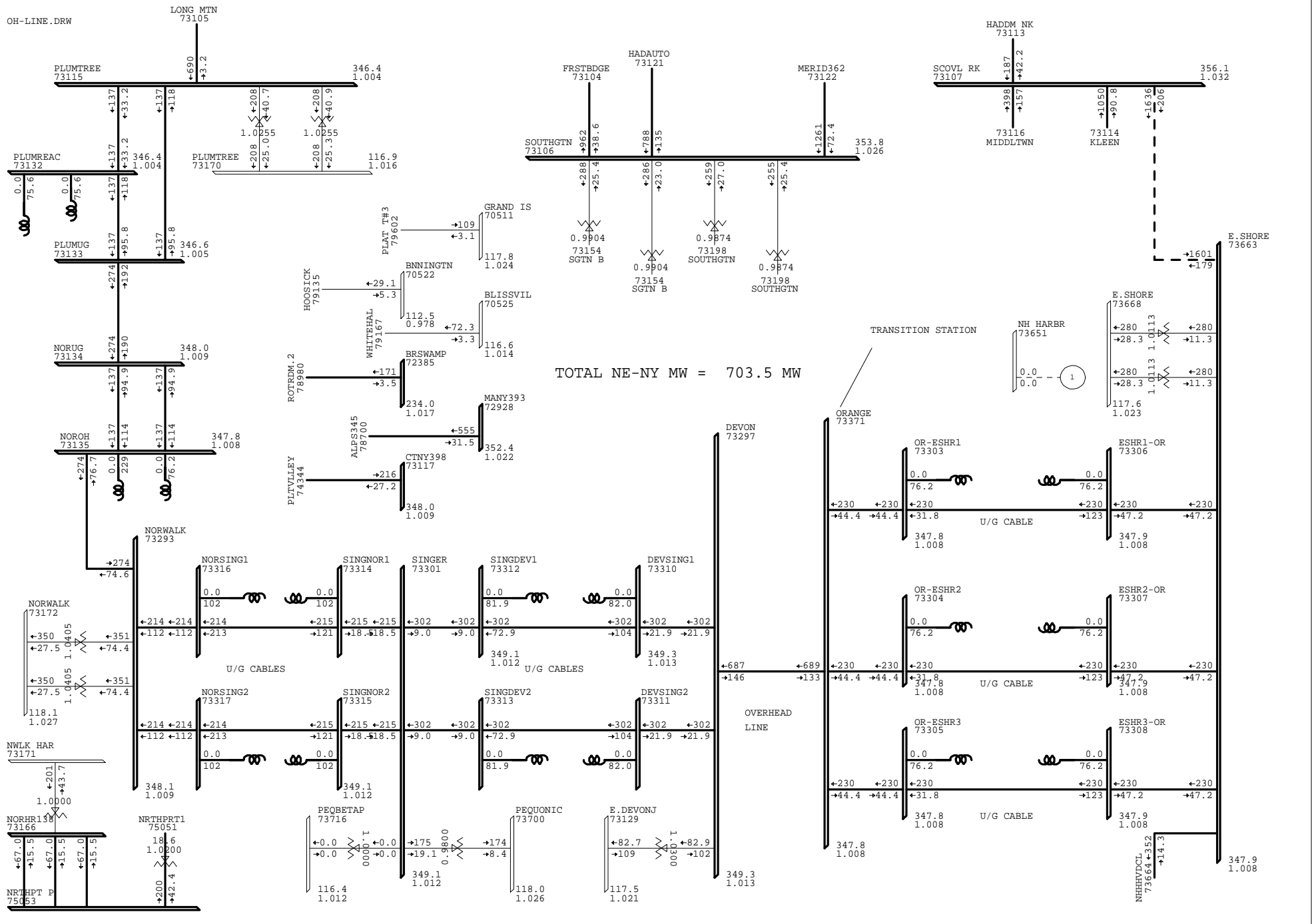
TOTAL NE-NY MW = 702.2 MW

EN277-13C, 27.7 GW, DISP 13, E.SHR-NRWK U/G+O/H, NE-NY 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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





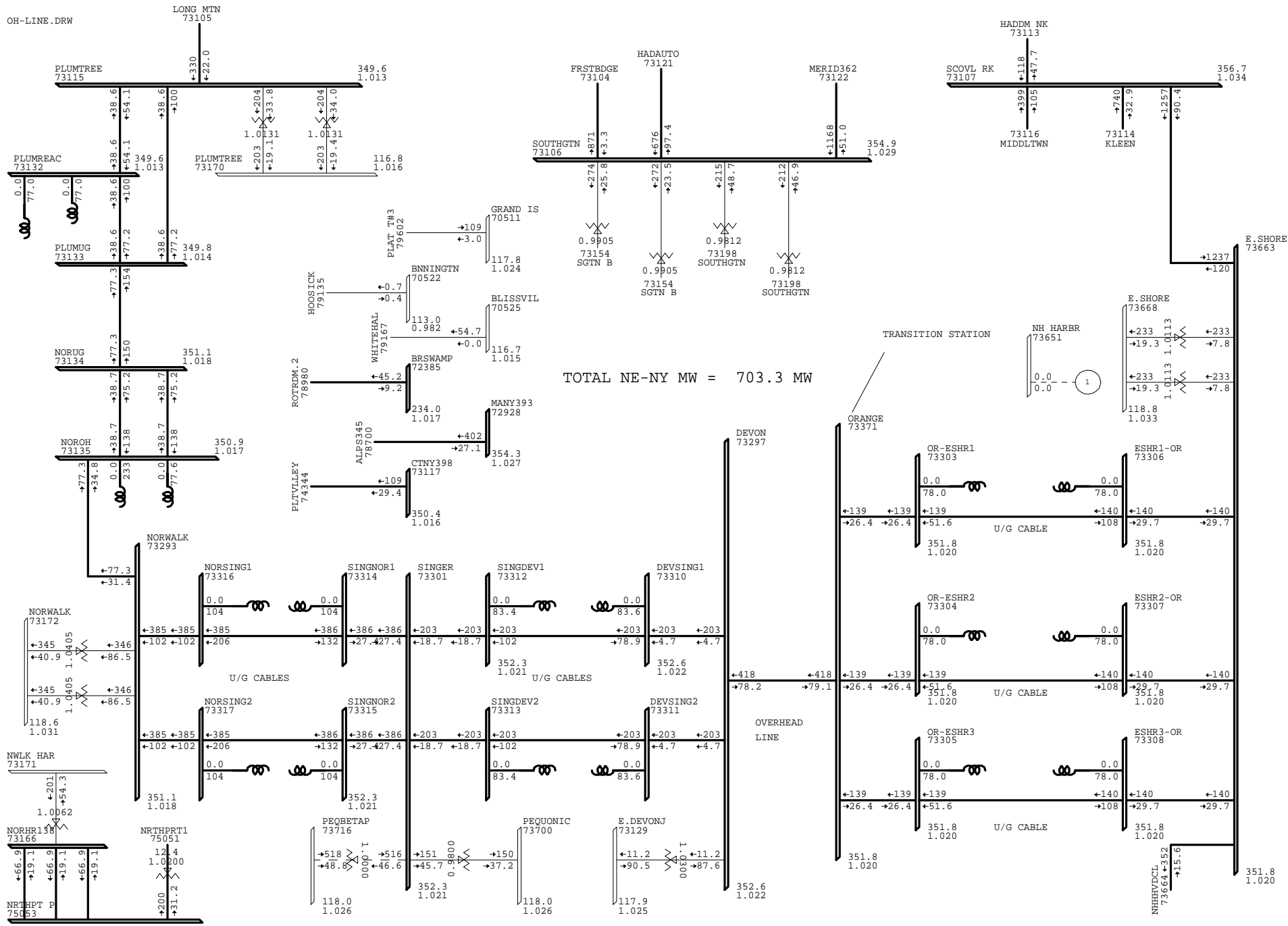
TOTAL NE-NY MW = 703.5 MW

EN277-14C, 27.7 GW, DISP 14, E.SHR-NRWK U/G+O/H, NE-NY 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

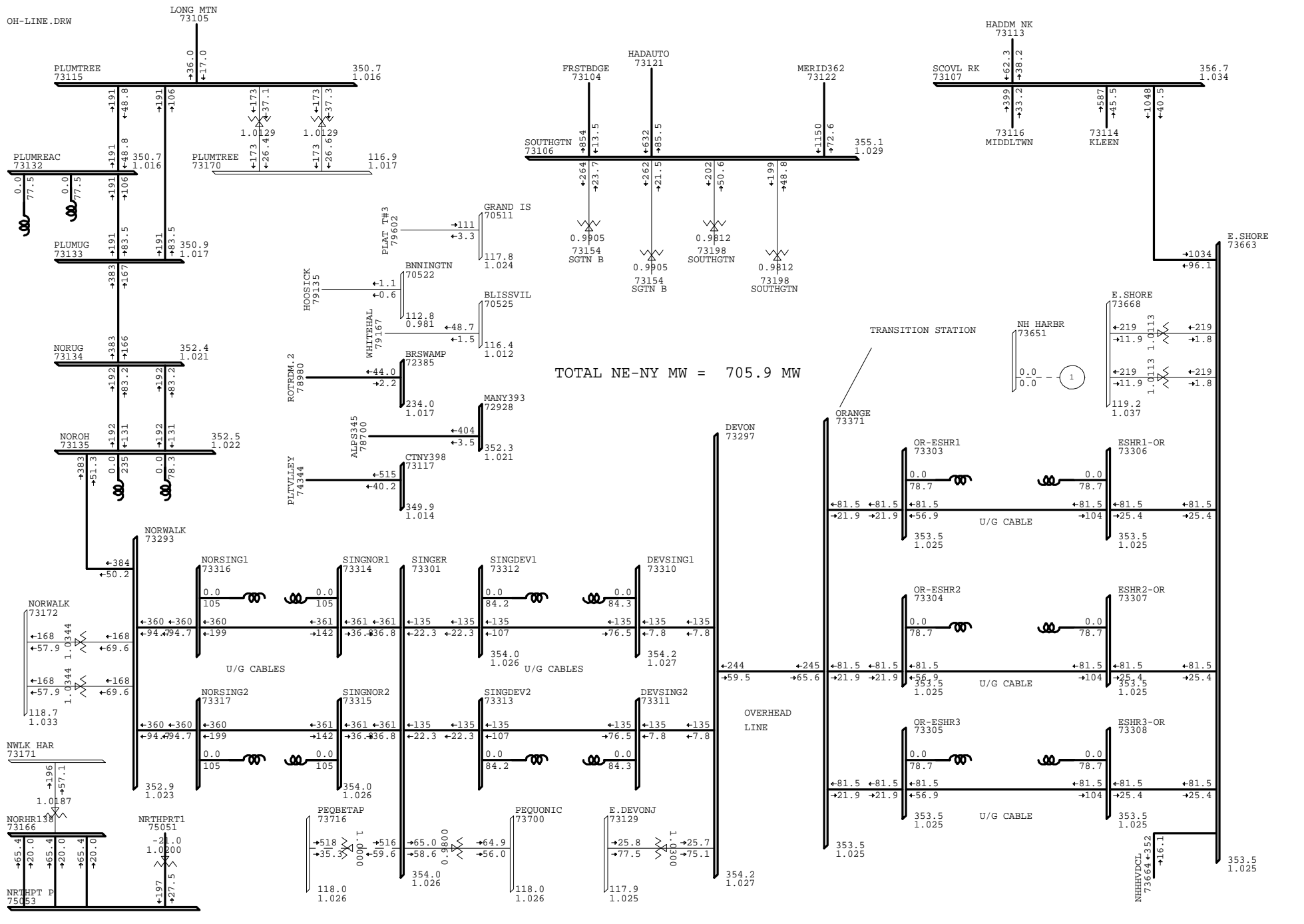
100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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





TOTAL NE-NY MW = 703.3 MW



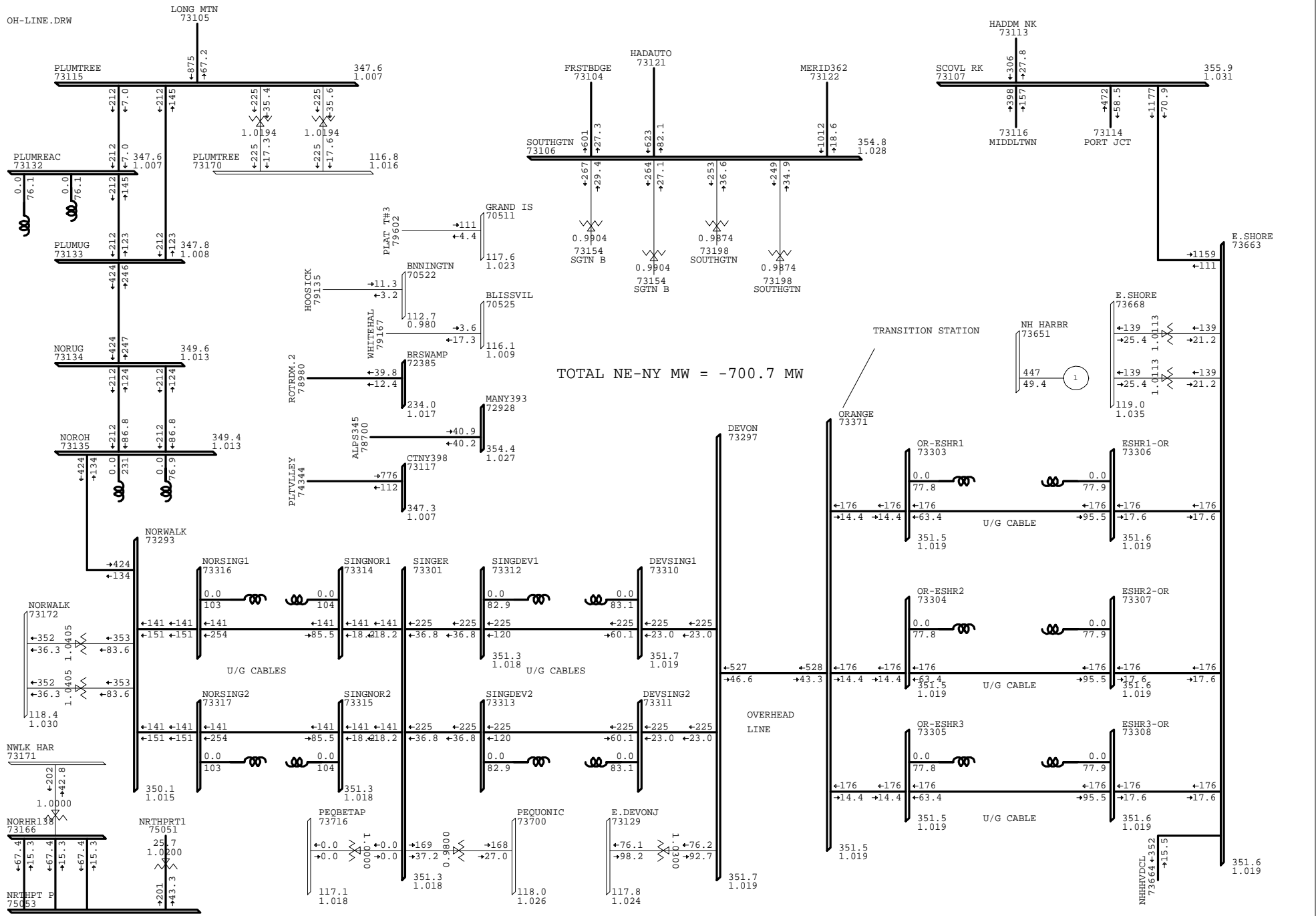
TOTAL NE-NY MW = 705.9 MW



EN277-16C, 27.7 GW, DISP 16, E.SHR-NRWK U/G+O/H, NE-NY 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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



TOTAL NE-NY MW = -700.7 MW

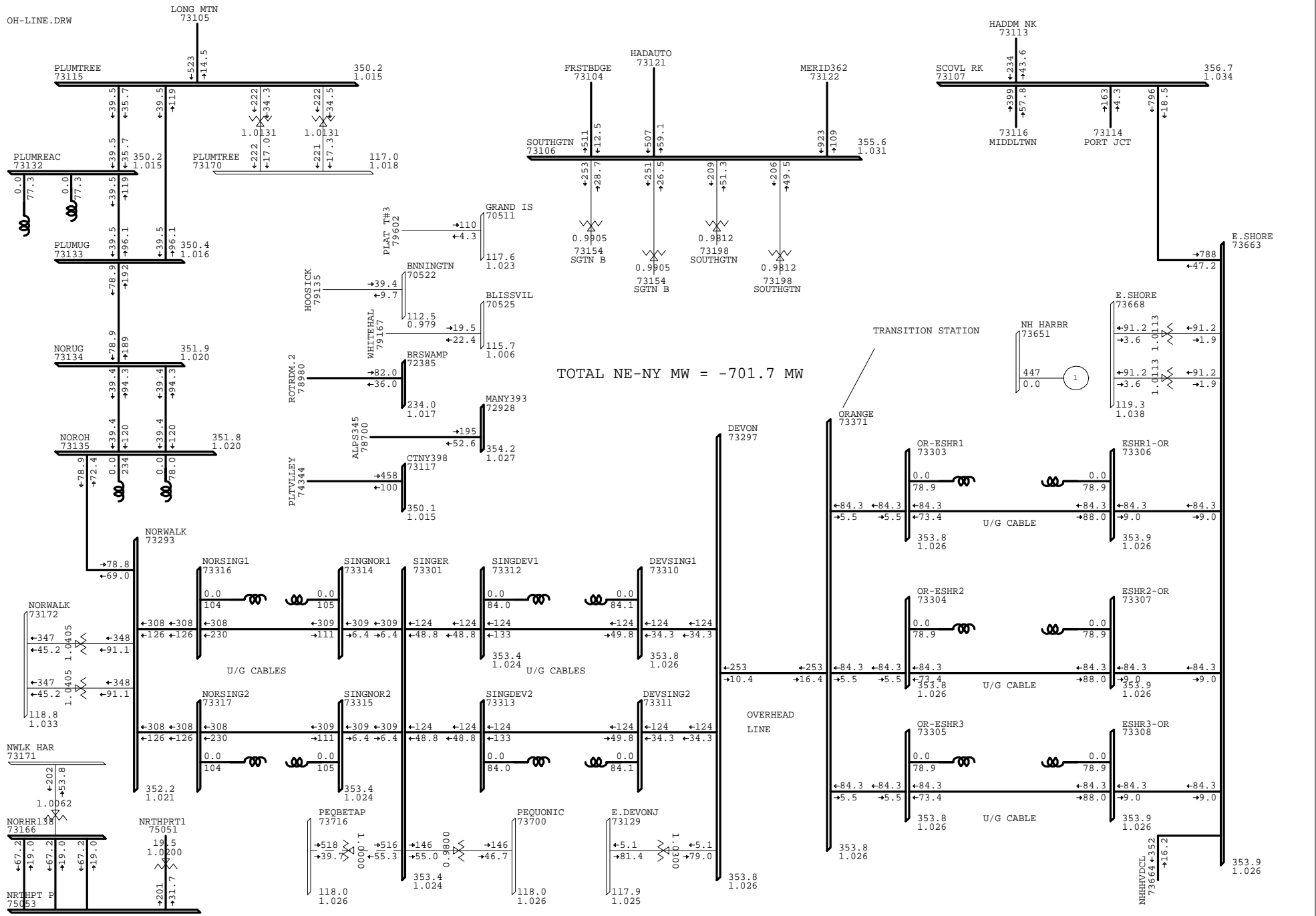
EN277-18C, 27.7 GW, DISP 18, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115


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



POWER TECHNOLOGIES INC.

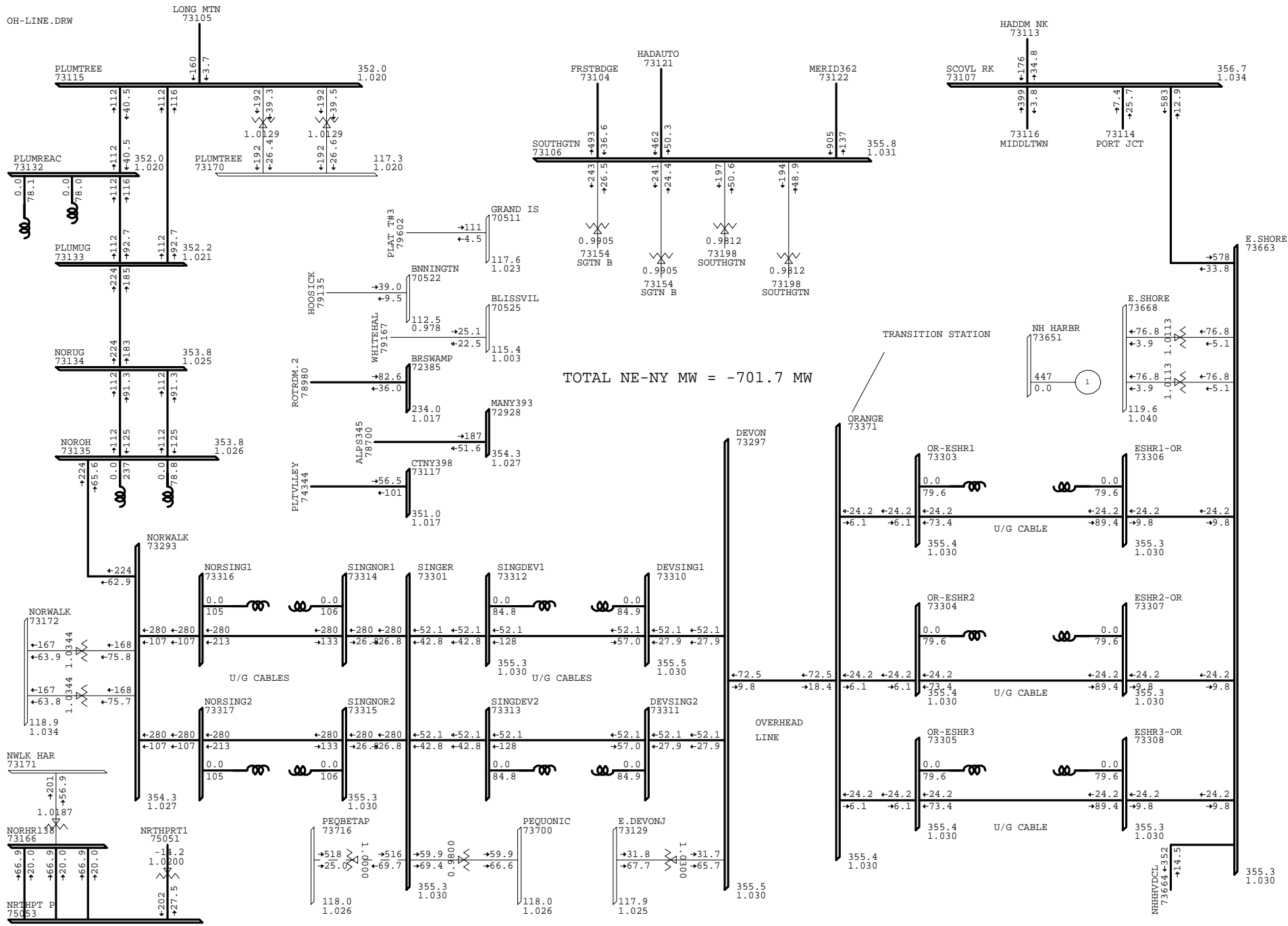


TOTAL NE-NY MW = -701.7 MW


 EN277-19C, 27.7 GW, DISP 19, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

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

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



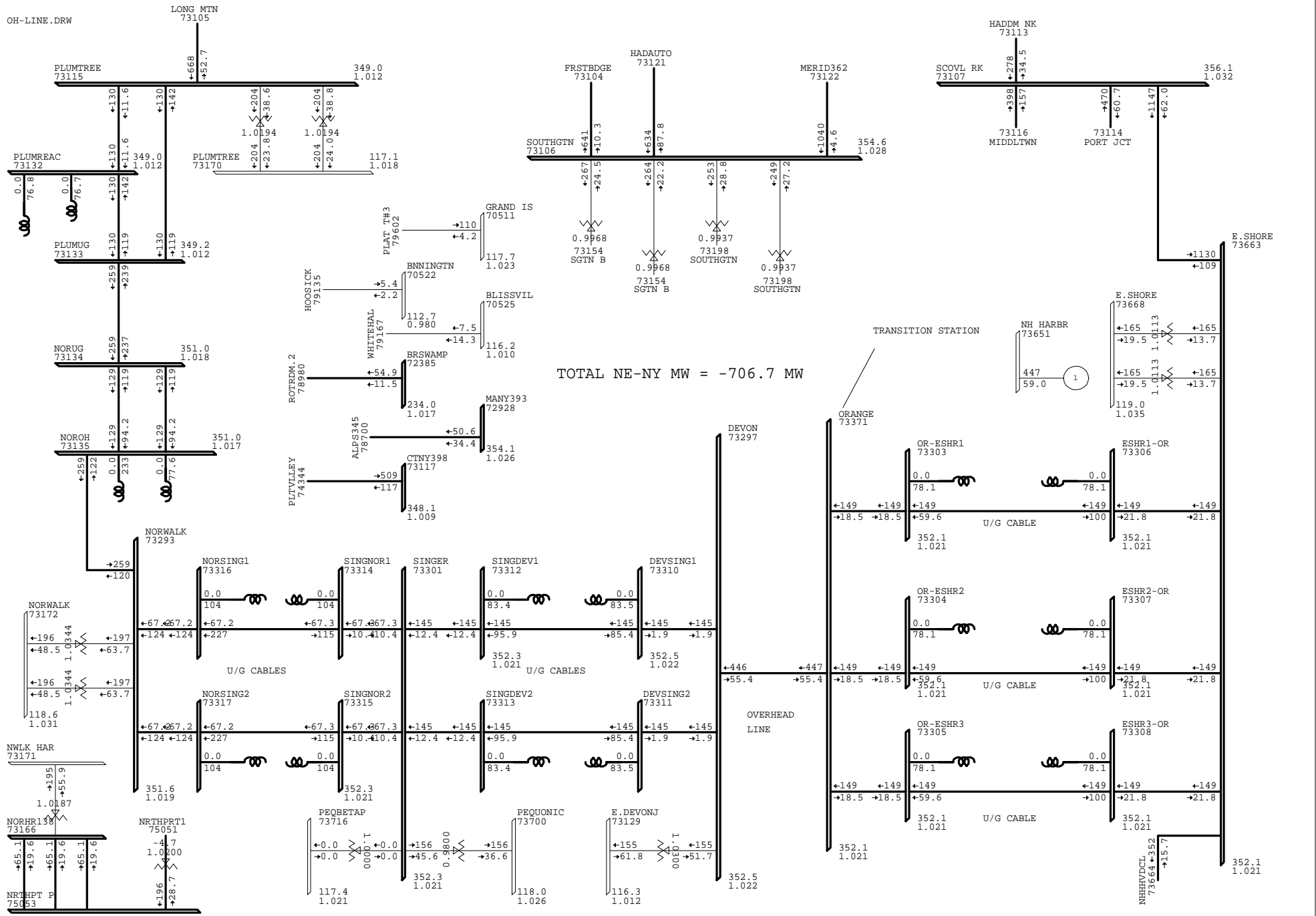
TOTAL NE-NY MW = -701.7 MW

EN277-20C, 27.7 GW, DISP 20, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

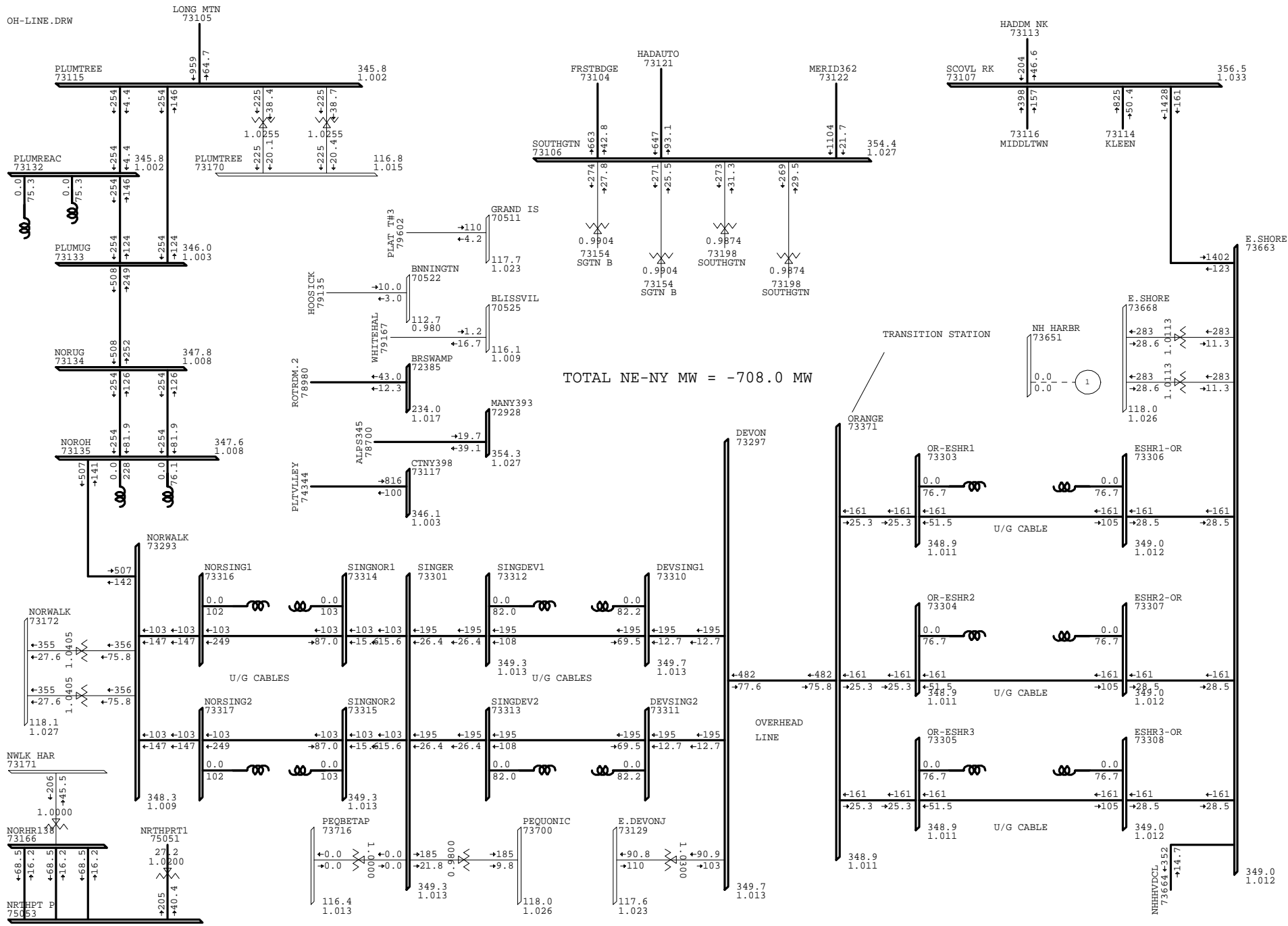
100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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





TOTAL NE-NY MW = -706.7 MW



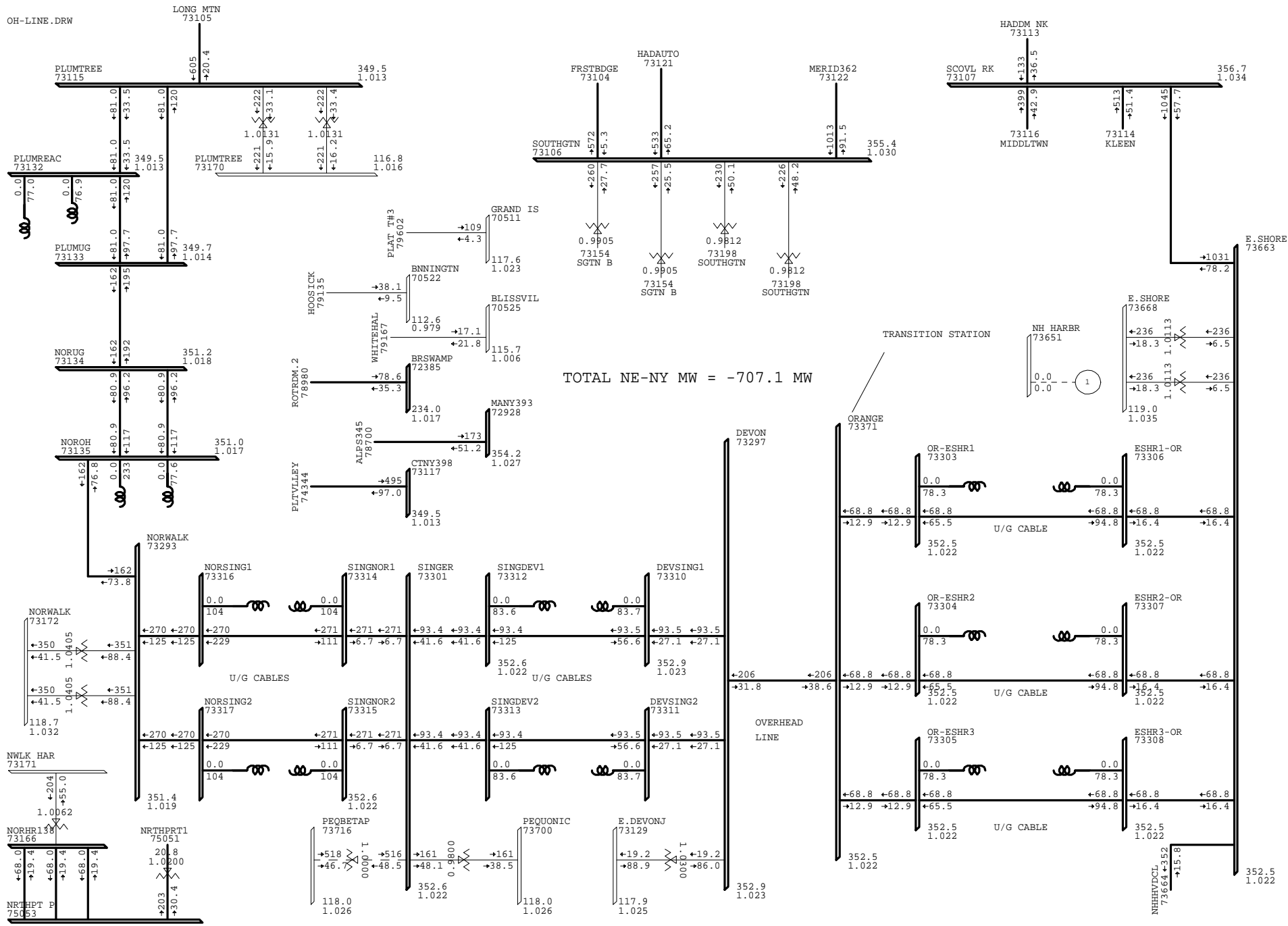
TOTAL NE-NY MW = -708.0 MW

EN277-22C, 27.7 GW, DISP 22, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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



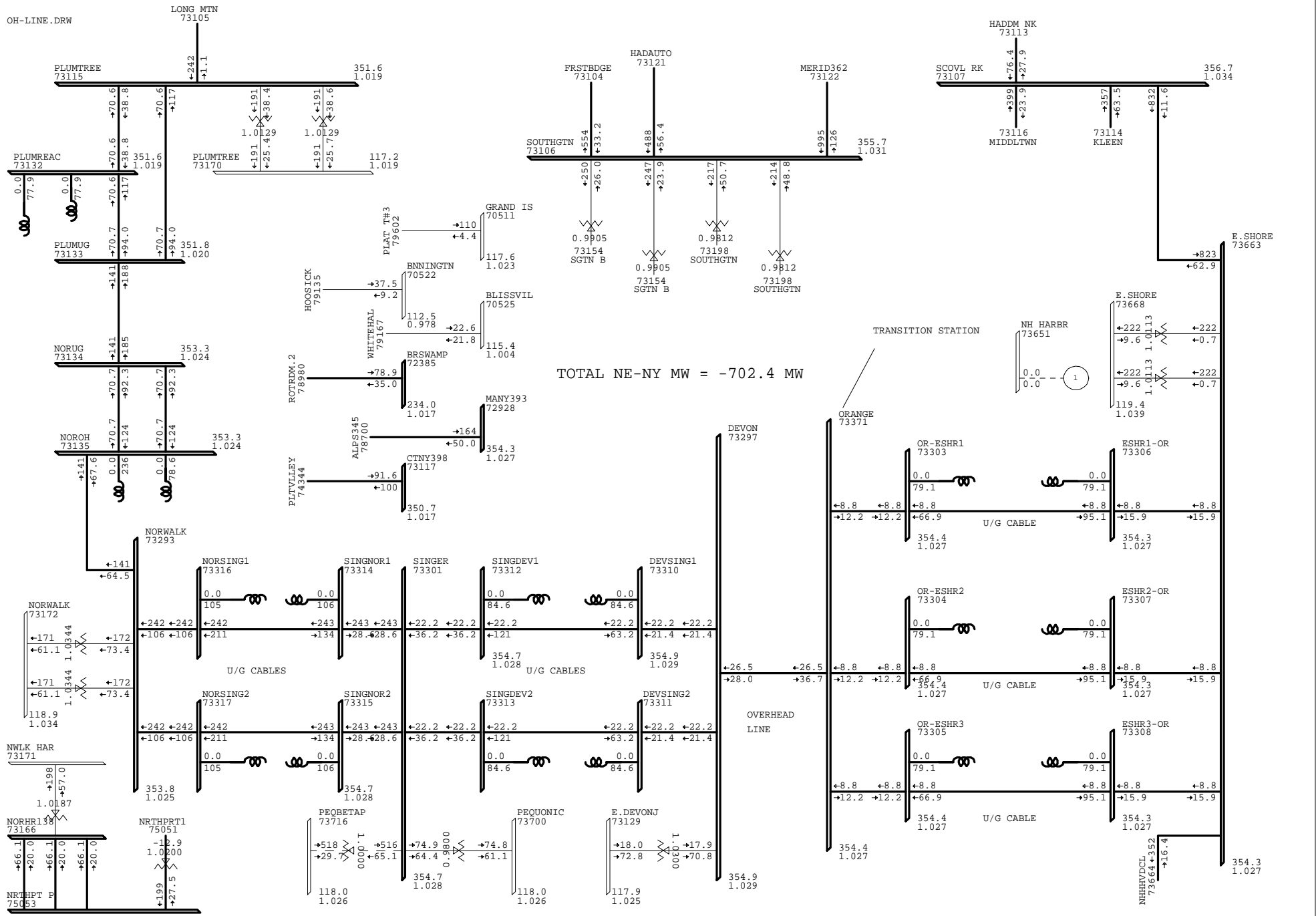


EN277-23C, 27.7 GW, DISP 23, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:28

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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



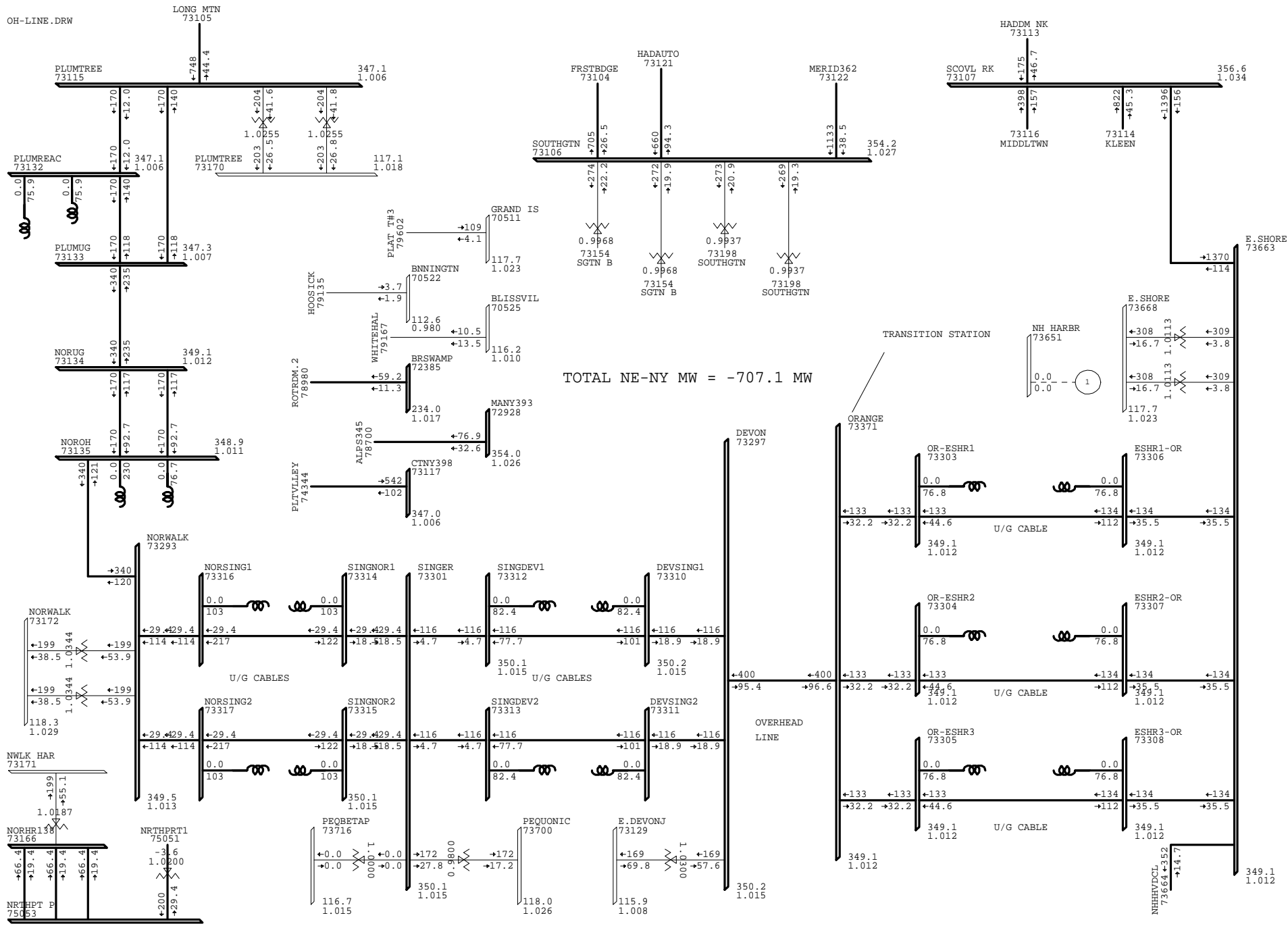


EN277-24C, 27.7 GW, DISP 24, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:29

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115

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





EN277-25C, 27.7 GW, DISP 25, E.SHR-NRWK U/G+O/H, NY-NE 700
 PH1-XP, PH2 HPFF DEV-NOR&ORG-ESHR, O/H ORG-DEV, RECONDUCT 387
 BASE CASE FRI, JAN 16 2004 13:29

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

SWCT Transmission Expansion:
East Shore to Norwalk 345 kV
Transmission Loading and Voltage Analysis, 387 Line Reconductor, \pm 700 MW NE-NY

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

SWCT Transmission Expansion:
East Shore to Norwalk 345 kV
Transmission Loading and Voltage Analysis, 387 Line Reconductor, \pm 700 MW NE-NY

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-Newton
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 SCOVrk4TSTK * 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 SCOVrk4TSTK / * added for Kleen Energy
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

/CONTINGENCY SCOVrk5TSTK ** removed
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 1
/OPEN LINE FROM BUS 73663 TO BUS 73668 CKT 2
/OPEN LINE FROM BUS 73663 TO BUS 73664 CKT 1
/DISCONNECT BUS 73116
/DISCONNECT BUS 73557
/END

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 * 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 SCOVrk7TSTK / * modified for Kleen Energy
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
END

/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

Appendix D

Generation Dispatches

- Reconductored 387 Line
 - NE-NY \pm 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)	10C	11C (1)	12C (1)	13C (1)	14C	15C	16C	17C
NY-NE 700 (4)	18C	19C (2)	20C (2)	21C (2)	22C	23C	23C	24C

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 “C” suffix in the dispatch IDs indicates that the 387 line (East Shore to Scovill Road 345) is modeled with a reconductor as discussed in the report.

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

SWCT Transmission Expansion:
East Shore to Norwalk 345 kV
Transmission Loading and Voltage Analysis, 387 Line Reconductor, ± 700 MW NE-NY

Dispatches 10C – 13C

New England Generation for Dispatch 10C (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	1.0137	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0257	
73538	AESTH PF	20	1	0	2	180	50.7	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0211	
73072	ALT12 PF	13.8	2	0	2	65	21.6	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	21.6	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	2	290	114.2	150	-100	1.038	1.038	70785
71096	ANPBLCK2	21	1	0	2	290	114.2	150	-100	1.038	1.038	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0111	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0251	
73351	BATES DA	0.48	1	0	2	0	-3.2	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0147	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0159	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0152	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0178	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0231	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	0.9994	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0354	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9979	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9979	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9979	71832
72986	BERKPWR	13.8	1	0	2	305	53.6	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0177	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0432	
72372	BP #1 GN	18	2	0	2	238	80	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	80	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	54.4	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	41.7	260	-160	1.026	1.026	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0172	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.03	1.0212	

New England Generation for Dispatch 10C (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	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	1.04	1.04	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1	0.9945	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.035	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.035	
71065	CABOTCMB	16	1	0	2	260	-26.4	127	-127	1.043	1.043	70760
71066	CABOTSTM	13.8	1	0	2	120	-26.4	60	-60	1.043	1.043	70760
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0141	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0357	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0357	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	0.9971	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9628	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	1.0184	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.9953	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1	1.0618	
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.03	0.9389	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1	1.0162	
72665	COLFAX	13.8	2	0	2	63.8	-8.3	30	-19	1.01	1.01	
71857	COMRF G1	13.8	1	0	2	37.4	-4.9	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-4.9	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-4.9	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-4.9	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1	1.0268	
73547	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.04	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.04	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9762	
73074	CUMBRLND	13.8	1	0	-2	3	1	1	1	1.043	1.0484	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.993	
73765	DERBY PH	13.8	1	0	2	7	1.5	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	28.7	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	28.7	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	8.4	33	-13	1	1	

New England Generation for Dispatch 10C (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	1.031	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0116	71279
72514	DRFLD 2G	2.4	3	0	2	1.6	1.9	3	-3	1	1	72435
72515	DRFLD 3G	2.4	3	0	2	1.6	1.4	3	-3	1	1	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.0235	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.0119	
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	1.03	1.0193	
70909	EDG GT1	16	1	0	2	276.2	15.3	256	-90	1.017	1.017	70901
70911	EDG ST1	18	1	0	2	305	15.3	200	-120	1.017	1.017	70901
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	1.0241	
71394	EMI_GEN	22	1	0	2	185	13.4	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.0008	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0106	
70693	ESX-STAT	3.2	1	0	2	0	13.9	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.99	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0283	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9702	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0105	
73536	FORST PF	13.8	1	0	2	13	2.5	4	0	1.03	1.03	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.5	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	1.03	1.0256	
70561	GLN.HY T	46	1	0	-2	1.2	-0.1	0.2	-0.1	0.9961	0.998	
73168	GLNBROOK	115	1	0	2	0	-62.3	150	-150	1.035	1.035	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.05	1.0284	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.02	0.986	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.0257	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1	1.028	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.03	1.0434	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.0027	
72518	HARR G1	6.9	1	0	2	14	3.3	6	0	1.0174	1.0174	72397

New England Generation for Dispatch 10C (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	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	4.1	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0366	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0153	
71692	HUDSONDG	4.16	6	0	2	17	5.9	9.8	-9.8	1	1	
70548	HYDEVILLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9947	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1	1.0423	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.02	1.0176	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1	1.0243	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1	1.012	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1	1.0133	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1	1.0052	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.029	1.0408	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1	0.9916	
71123	KENDALL	13.8	3	0	2	63	5.8	32.3	0	1.025	1.025	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.03	1.0013	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.025	1.025	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.03	1.0181	
73565	LAKERD#1	21	1	0	2	280	69.4	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	69.4	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	69.4	174	-90	1.035	1.035	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.022	1.0146	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.031	1.031	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1	1.0134	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.02	1.0194	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.02	1.0194	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.025	1.0389	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1	0.9903	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0319	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0081	

New England Generation for Dispatch 10C (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	1.025	1.0389	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0344	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0339	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0134	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0089	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0293	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0293	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0293	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0291	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.0074	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.015	1.005	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9947	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.0431	
73588	MERIDEN1	21	1	0	2	195	68.6	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	68.6	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	68.6	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	26.1	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	74.2	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.9765	
73555	MIDDTN#2	13.8	1	0	2	117	37.9	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	37.9	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0266	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.02	1.0271	
73574	MILFD#1	13.8	1	0	-2	280	150	150	-40	1.026	1.0249	73125
73562	MILL#2	24	1	0	2	860	152.9	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	152.9	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	46.6	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	21	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1	0.9912	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0257	
70061	MIS GT2	18	1	0	2	150	100.9	103.2	-76.8	1.0527	1.0527	70028
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0447	

New England Generation for Dispatch 10C (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	22.5	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	114.6	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.4	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.4	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0054	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9966	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9966	72250
71067	MYS8 GTS	16	2	0	2	554	149.3	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	97.5	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	97.5	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	97.5	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	149.3	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.034	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0366	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0366	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0366	70774
70010	NEW_G1	18	1	0	2	169	24.9	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	24.9	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	24.9	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	2	447	79.7	175	0	1.035	1.035	73668
73665	NHHHVDC	192	1	0	-2	-351.5	72	72	-72	1.03	1.0166	73664
73083	NRTHFD12	13.8	2	0	-2	540	160	160	-80	1.041	1.0397	72926
73084	NRTHFD34	13.8	2	0	-2	540	160	160	-80	1.041	1.0397	72926
72868	NWNGT G1	24	1	0	2	422	24.9	180	-45	1.035	1.035	72692
71253	OBGEN	23	1	0	2	7.5	1	1.5	0	1	1	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1	1.0216	
70694	OMYA	46	1	0	2	7.7	0.9	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.0077	
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 10C (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	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9926	
71094	PLGRM G1	22.8	1	0	2	670	177.9	340	-100	1.038	1.038	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.023	
71719	POTTER	115	2	0	2	89	9.1	42	-10	1.017	1.017	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9982	
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.0465	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1	1.029	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9903	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.026	1.0218	71889
72063	RES-NAND	23	1	0	2	31.8	-4.6	15	-15	1.01	1.01	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.974	1.0196	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0196	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0199	
70627	RYGTE 34	34.5	1	0	-2	3.5	0.3	0.3	0	1.0364	1.0206	
71946	SALEM G1	14.4	1	0	2	79	9.7	32	-23	1.035	1.035	71891
71947	SALEM G2	14.4	1	0	2	78	9.7	29	-8	1.035	1.035	71891
71948	SALEM G3	14.4	1	0	2	143	19.4	50	-37	1.035	1.035	71891
71949	SALEM G4	22	1	0	2	400	58.2	275	-160	1.035	1.035	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.989	0.9849	
73352	SANDH DB	0.48	1	0	2	0	2.7	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	2.7	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.9904	
72869	SBRK G1	25	1	0	2	1150	274.6	550	-90	1.035	1.035	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.035	1.015	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.035	1.015	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.035	1.015	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1	1.0088	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1	0.9921	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1	1.0122	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1	1.0132	
70372	SEA STRN	13.8	1	0	2	48	-1	25	-22	1.03	1.03	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1	1.0187	72413
71189	SEM2PF	13.8	1	0	2	22.5	2.8	10	-2	1.0285	1.0285	

New England Generation for Dispatch 10C (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	1.0079	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.0195	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0174	72401
71681	SHRWS DG	13.8	1	0	2	10	5.6	6.9	-6.9	1	1	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9979	
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1	1.0018	
73546	SMEAD PF	23	2	0	2	13	2.6	4	0	1.03	1.03	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.03	1.0187	
71522	SOM G6	14	1	0	-2	70	0	86	0	1.0087	1.0117	71377
73082	SPGFD PF	13.8	1	0	-2	6	0	2	0	1	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.035	1.0488	
72933	STNYBK 1	13.8	1	0	2	87	13.1	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	11.9	30	-8	1.043	1.043	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1	1.0089	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.973	0.9833	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	0.9951	
71743	TAU 9A,8	13.8	1	1	-2	25	16	16	0	1.0261	1.0194	71739
71744	TAUNT G9	13.8	1	0	-2	85	52	52	0	1.0261	1.0194	71739
72842	TILTN PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.0009	
72669	TIVER G1	18	1	0	2	189	30.5	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	15.9	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	-0.1	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	-2	17	0	3	0	1	1.0036	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0202	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0058	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0176	
72521	VERNON G	2.4	4	0	2	8	3.1	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.5	3	-3	1	1	72420

New England Generation for Dispatch 10C (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	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.3	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	97.1	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0251	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0411	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0443	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.6	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.6	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.7	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9712	
70365	WF WY #1	13.8	1	0	2	57	5.5	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.5	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	11	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	105	17.3	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0177	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.9884	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0093	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.997	71834
70363	WILLM #1	6.9	1	0	2	4	1	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0326	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.0399	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0008	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.028	
73459	WNSRLK	27.6	1	0	-2	8	2	2	2	1	1.033	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0172	
73080	WSPFLD 3	13.8	1	0	2	107	19.6	52	-37	1.022	1.022	72961
70361	WYMAN #2	13.8	1	0	-2	21	0	11.6	0	1.02	1.0234	70113
70362	WYMAN #3	13.8	1	0	-2	20	0	11.6	0	1.02	1.0234	70113

NE Generation Changes from Dispatch 10C to Dispatch 11C										
Number	Name	BasVlt	Dispatch 10C		Dispatch 11C		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	0.4	2.7
71095	ANPBLCK1	21	290	114.2	0	0	-290	100	-114.2	100
72513	BRSWP G2	13.8	294	38.5	0	0	-294	100	-38.5	100
73575	MILFD#2	13.8	0	0	280	86.8	280	999.9	86.8	999.9
73594	WALL LV1	13.8	0	0	102	12.3	102	999.9	12.3	999.9
73595	WALL LV2	13.8	0	0	102	12.3	102	999.9	12.3	999.9
73596	WALL LV3	13.8	0	0	51	9.1	51	999.9	9.1	999.9
73652	BE 11	16	0	0	170	43.6	170	999.9	43.6	999.9
73653	BE 12	16	0	0	170	43.6	170	999.9	43.6	999.9
73654	BE 10 ST	16	0	0	180	43.6	180	999.9	43.6	999.9

NE Generation Changes from Dispatch 10C to Dispatch 12C										
Number	Name	BasVlt	Dispatch 10C		Dispatch 12C		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	1.2	8
71095	ANPBLCK	21	290	114.2	0	0	-290	100	-114.2	100
72513	BRSWP G	13.8	294	38.5	0	0	-294	100	-38.5	100
72867	MERMK G	24	320	74.2	0	0	-320	100	-74.2	100
73551	NORHAR#	18	0	0	161	-29.5	161	999.9	-29.5	999.9
73552	NORHAR#	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	11.6	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	8.4	51	999.9	8.4	999.9
73652	BE 11	16	0	0	170	39.3	170	999.9	39.3	999.9
73653	BE 12	16	0	0	170	39.3	170	999.9	39.3	999.9
73654	BE 10 ST	16	0	0	180	39.3	180	999.9	39.3	999.9

NE Generation Changes from Dispatch 10C to Dispatch 13C										
Number	Name	BasVlt	Dispatch 10C		Dispatch 13C		Change			
			MW	MVAR	MW	MVAR	MW	%	MVAR	%
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	28.7	0	0	-106	100	-28.7	100
73554	DEVON#8	13.8	106	28.7	0	0	-106	100	-28.7	100
73574	MILFD#1	13.8	280	150	0	0	-280	100	-150	100

SWCT Transmission Expansion:
East Shore to Norwalk 345 kV
Transmission Loading and Voltage Analysis, 387 Line Reconductor, ± 700 MW NE-NY

Dispatches 18C – 21C

New England Generation for Dispatch 18C (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	1.0125	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0256	
73538	AESTH PF	20	1	0	2	180	33.2	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0215	
73072	ALT12 PF	13.8	2	0	2	65	17.9	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	17.9	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	-2	290	150	150	-100	1.038	1.0346	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0099	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0267	
73351	BATES DA	0.48	1	0	2	0	-3	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0152	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0164	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0156	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0183	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0236	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	1.0007	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0352	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9932	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9932	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9932	71832
72986	BERKPWR	13.8	1	0	2	305	32.9	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0186	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0431	
72372	BP #1 GN	18	2	0	2	238	78.2	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	78.2	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	73.2	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	37.9	260	-160	1.026	1.026	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	1.03	1.0227	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0077	

New England Generation for Dispatch 18C (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	58.3	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	58.3	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	71.5	120	-100	1.04	1.04	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1	0.9952	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.0304	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.0304	
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0166	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0346	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0346	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	1.0025	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9575	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	0.998	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.976	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1	1.0455	
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.03	0.8814	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1	1.0171	
72665	COLFAX	13.8	2	0	2	63.8	-8.3	30	-19	1.01	1.01	
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	1.0263	
73547	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0456	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0456	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9762	
73074	CUMBRND	13.8	1	0	-2	3	1	1	1	1.043	1.044	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.9933	
73765	DERBY PH	13.8	1	0	2	7	1.3	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	24.6	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	24.6	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	6.6	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0313	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0109	71279
72514	DRFLD 2G	2.4	3	0	-2	1.6	3	3	-3	1	0.9994	72435

New England Generation for Dispatch 18C (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	3	3	-3	1	1	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.022	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.0138	
70738	EAVE	13.8	1	0	-2	4.5	0	0	0	0.9979	1.0011	
72808	EDDY B	34.5	1	0	-2	14.5	0	0	0	1.03	1.0196	
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	0.986	
71394	EMI_GEN	22	1	0	2	185	17.1	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.001	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0107	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0107	
70693	ESX-STAT	3.2	1	0	2	0	16.2	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.9857	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0284	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9733	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0125	
73536	FORST PF	13.8	1	0	2	13	1.2	4	0	1.03	1.03	
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	-4.8	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-3.2	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0259	
70561	GLN.HY T	46	1	0	-2	1.2	0.2	0.2	-0.1	0.9961	0.9952	
73168	GLNBROOK	115	1	0	2	0	-52.4	150	-150	1.035	1.035	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.05	1.0237	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.02	0.986	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.026	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1	1.0204	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.03	1.0424	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.004	
72518	HARR G1	6.9	1	0	-2	14	6	6	0	1.0174	1.0165	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	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	5.3	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0357	

New England Generation for Dispatch 18C (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	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126.3	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0168	
71692	HUDSONDG	4.16	6	0	2	17	6.4	9.8	-9.8	1	1	
70548	HYDEVILLE	46	1	0	-2	1.3	-0.2	0.3	-0.2	0.9915	0.9958	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1	1.0387	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.02	1.0128	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1	1.0243	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1	1.0121	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1	1.0134	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1	1.0053	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.029	1.0363	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1	0.9916	
71123	KENDALL	13.8	3	0	2	63	5.9	32.3	0	1.025	1.025	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.03	0.9937	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.025	1.025	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.03	1.0183	
73565	LAKERD#1	21	1	0	2	280	46.2	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	46.2	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	46.2	174	-90	1.035	1.035	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.022	1.0122	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.031	1.031	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1	1.0133	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.02	1.0193	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.02	1.0193	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.025	1.0382	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1	0.9863	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0329	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0094	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0382	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0333	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0328	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0123	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0077	

New England Generation for Dispatch 18C (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	1.035	1.0296	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0296	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0296	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0313	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.008	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.015	1.005	
70556	MENDN TP	46	1	0	-2	2.6	0	0.6	0	0.9919	0.9922	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.044	
73588	MERIDEN1	21	1	0	2	195	31	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	31	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	31	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	25.1	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	71.4	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.9729	
73555	MIDDTN#2	13.8	1	0	2	117	33.3	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	33.3	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0315	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.02	1.0278	
73574	MILFD#1	13.8	1	0	-2	280	150	150	-40	1.026	1.025	73125
73562	MILL#2	24	1	0	2	860	99.5	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	99.5	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	48.1	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	0.9914	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0264	
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0396	
73558	MONTV#5	13.8	1	0	2	81	14.7	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	75	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.2	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.2	16	-10	1.0435	1.0435	71824

New England Generation for Dispatch 18C (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	1.02	0.9953	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9953	72250
71067	MYS8 GTS	16	2	0	2	554	135.9	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	99	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	99	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	99	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	135.9	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.0338	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0336	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0336	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0336	70774
70010	NEW_G1	18	1	0	2	169	23.5	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	23.5	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	23.5	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	2	447	49.4	175	0	1.035	1.035	73668
73665	NHHHVDC	192	1	0	-2	-351.5	72	72	-72	1.03	1.0191	73664
73083	NRTHFD12	13.8	2	0	2	540	145.7	160	-80	1.041	1.041	72926
73084	NRTHFD34	13.8	2	0	2	540	145.7	160	-80	1.041	1.041	72926
72868	NWNGT G1	24	1	0	2	422	23.5	180	-45	1.035	1.035	72692
71253	OGEN	23	1	0	2	7.5	1.1	1.5	0	1	1	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1	1.0216	
70694	OMYA	46	1	0	2	7.7	2.2	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.0102	
71531	OSP1 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0313	71338
71532	OSP2 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0313	71338
71533	OSP3 PF	13.8	1	0	-2	107.5	0	51.8	0	1.0289	1.0313	71338
71534	OSP4 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0313	71338
70431	OTIS GEN	4.16	2	0	-2	8	1	1	1	1	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9928	
71094	PLGRM G1	22.8	1	0	2	670	228	340	-100	1.038	1.038	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.0232	
71719	POTTER	115	2	0	-2	89	42	42	-10	1.017	1.0128	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9979	

New England Generation for Dispatch 18C (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	1.043	1.0481	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1	1.0289	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9872	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.026	1.0217	71889
72063	RES-NAND	23	1	0	2	31.8	-4.5	15	-15	1.01	1.01	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.974	1.0204	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0204	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0203	
70627	RYGTE 34	34.5	1	0	-2	3.5	0.3	0.3	0	1.0364	1.0209	
71946	SALEM G1	14.4	1	0	2	79	9.8	32	-23	1.035	1.035	71891
71947	SALEM G2	14.4	1	0	2	78	9.8	29	-8	1.035	1.035	71891
71948	SALEM G3	14.4	1	0	2	143	19.7	50	-37	1.035	1.035	71891
71949	SALEM G4	22	1	0	2	400	59	275	-160	1.035	1.035	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.989	0.9809	
73352	SANDH DB	0.48	1	0	2	0	2.8	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	2.8	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.9916	
72869	SBRK G1	25	1	0	2	1150	278.9	550	-90	1.035	1.035	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.035	1.0161	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.035	1.0161	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.035	1.0161	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1	1.0053	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1	0.992	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1	1.0121	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1	1.0131	
70372	SEA STRN	13.8	1	0	2	48	0.5	25	-22	1.03	1.03	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1	1.0165	72413
71189	SEM2PF	13.8	1	0	2	22.5	3	10	-2	1.0285	1.0285	
71188	SEMSSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0147	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.0092	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.019	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0161	72401
71681	SHRWS DG	13.8	1	0	-2	10	6.9	6.9	-6.9	1	0.9965	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9936	

New England Generation for Dispatch 18C (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	1.0018	
73546	SMEAD PF	23	2	0	-2	13	0	4	0	1.03	1.0339	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.03	1.0189	
71522	SOM G6	14	1	0	-2	70	0	86	0	1.0087	1.0113	71377
73082	SPGFD PF	13.8	1	0	-2	6	0	2	0	1	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.035	1.049	
72933	STNYBK 1	13.8	1	0	2	87	11.7	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	10.6	30	-8	1.043	1.043	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1	1.0092	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.973	0.9802	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	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	TILTN PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.0029	
72669	TIVER G1	18	1	0	2	189	31.3	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	16.4	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	0	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	2	17	2.4	3	0	1	1	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0215	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0071	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0149	
72521	VERNON G	2.4	4	0	2	8	3.8	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.9	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.6	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.6	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	75.3	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0261	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0385	

New England Generation for Dispatch 18C (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	1.0416	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.3	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.3	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.4	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9715	
70365	WF WY #1	13.8	1	0	2	57	5.4	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.4	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	10.9	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	92	20.2	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0179	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.9825	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0046	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.9947	71834
70363	WILLM #1	6.9	1	0	2	4	1.2	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0307	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.0363	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.002	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0293	
73459	WNDSRLK	27.6	1	0	-2	8	2	2	2	1	1.0382	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0165	
73080	WSPFLD 3	13.8	1	0	2	107	12.9	52	-37	1.022	1.022	72961

NE Generation Changes from Dispatch 18C to Dispatch 19C										
Number	Name	BasVlt	Dispatch 18C		Dispatch 19C		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	30.5
71095	ANPBLCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	58.3	0	0	-294	100	-58.3	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	11.5	102	999.9	11.5	999.9
73595	WALL LV2	13.8	0	0	102	11.5	102	999.9	11.5	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 18C to Dispatch 20C										
Number	Name	BasVlt	Dispatch 18C		Dispatch 20C		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	ANPBLCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	58.3	0	0	-294	100	-58.3	100
72867	MERMK G2	24	320	71.4	0	0	-320	100	-71.4	100
73551	NORHAR#1	18	0	0	161	-32	161	999.9	-32	999.9
73552	NORHAR#2	20	0	0	168	-32	168	999.9	-32	999.9
73575	MILFD#2	13.8	0	0	280	79.1	280	999.9	79.1	999.9
73594	WALL LV1	13.8	0	0	102	11	102	999.9	11	999.9
73595	WALL LV2	13.8	0	0	102	11	102	999.9	11	999.9
73596	WALL LV3	13.8	0	0	51	7.8	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

NE Generation Changes from Dispatch 18C to Dispatch 21C										
Number	Name	BasVlt	Dispatch 18C		Dispatch 21C		Change			
			MW	MVAR	MW	MVAR	MW	%	MVAR	%
70368	WF WY #4	22	92	20.2	235	24.9	143	155.4	4.7	23.2
73551	NORHAR#1	18	0	0	161	-22.7	161	999.9	-22.7	999.9
73552	NORHAR#2	20	0	0	168	-22.7	168	999.9	-22.7	999.9
73553	DEVON#7	13.8	106	24.6	0	0	-106	100	-24.6	100
73554	DEVON#8	13.8	106	24.6	0	0	-106	100	-24.6	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

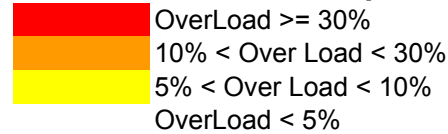
SWCT Generation Dispatch ID	Case or “Dispatch” Identifier			
	NE-NY 700 MW		NY-NE 700 MW	
	NHHS On-line	NHHS Off-Line	NHHS On-line	NHHS Off-Line
2	10C	14C	18C	22C
3	11C	15C	19C	23C
4	12C	16C	20C	24C
5	13C	17C	21C	25C

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconducted 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



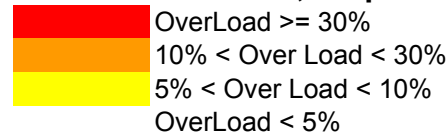
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	4	20.4	295	1460-387DCT	17C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	4	19.7	295	1460-387DCT	14C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	2	4.2	291	1460-387DCT	13C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	2	2.4	291	1460-387DCT	10C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	3	14.5	295	1460-387DCT	14C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	3	14.2	295	1460-387DCT	17C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	33.5	464	SGTN5TSTK	17C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	31.3	464	SGTN5TSTK	14C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	28.0	460	SGTN5TSTK	13C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	26.0	460	SGTN5TSTK	10C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	22.5	464	SGTN5TSTK	15C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	18.6	464	SGTN5TSTK	16C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	17.8	460	SGTN5TSTK	11C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	14.6	464	SGTN5TSTK	25C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	13.7	460	SGTN5TSTK	12C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	12.9	464	SGTN5TSTK	22C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	9.6	460	SGTN5TSTK	21C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	7.8	460	SGTN5TSTK	18C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	4.4	464	SGTN5TSTK	23C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	1	0.5	464	SGTN5TSTK	24C	FIX
73107 SCOVL RK 345	73114 KLEEN 345	1	LN	2	0.3	454	MONTVSTBKR	14C	FIX
73107 SCOVL RK 345	73114 KLEEN 345	1	LN	2	0.1	454	MONTVSTBKR	17C	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	4	15.0	463	SGTN4TSTK	17C	FIX
73107 SCOVL RK 345	73663 E.SHORE 345	1	LN	5	14.9	463	SGTN4TSTK	14C	FIX
73121 HADAUTO 345	73110 MILLSTNE 345	1	LN	2	3.4	195	318LINE	17C	FIX
73121 HADAUTO 345	73110 MILLSTNE 345	1	LN	2	1.6	195	318LINE	14C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	10C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	11C	FIX

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconstructed 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



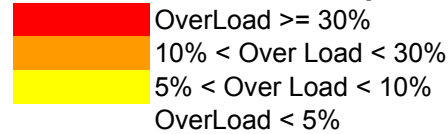
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	12C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	13C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	14C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	15C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	16C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	17C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	18C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	19C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	20C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	407	SOUTHEND6T	21C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	22C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	23C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	24C	FIX
73162 WATERSDE 115	73163 COS COB 115	1	LN	1	24.8	411	SOUTHEND6T	25C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	10C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	11C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	12C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	13C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	14C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	15C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	16C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	17C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	18C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	19C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	20C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	407	SOUTHEND6T	21C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	22C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	23C	FIX

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconducted 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



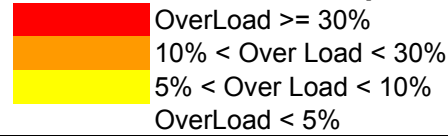
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	24C	FIX
73162 WATERSDE 115	73168 GLNBROOK 115	1	LN	1	2.5	411	SOUTHEND6T	25C	FIX
73164 BALDWNJA 115	73187 STEVENSN 115	1	LN	2	4.3	295	1460-387DCT	14C	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	5	14.3	295	1460-387DCT	14C	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	3	9.1	295	1460-387DCT	17C	FIX
73164 BALDWNJA 115	73202 FROST BR 115	1	LN	2	7.6	297	1618-321DCT	22C	FIX
73166 NORHR138 138	73171 NWLK HAR 115	1	TR	3	22.5	451	LONGMT5TSTK	25C	FIX
73166 NORHR138 138	73171 NWLK HAR 115	1	TR	3	16.0	447	LONGMT5TSTK	21C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	10C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	11C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	12C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	13C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	14C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	15C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	16C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	17C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	18C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	19C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	20C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	253	1440-1450DCT	21C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	22C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	23C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	24C	FIX
73167 SO.END 115	73294 GLNBRK J 115	1	LN	1	23.2	257	1440-1450DCT	25C	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	1	3.4	289	1867-1890DCT	25C	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	1	2.4	289	1867-1890DCT	17C	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	1	2.1	285	1867-1890DCT	21C	FIX
73168 GLNBROOK 115	73169 RYTN J A 115	1	LN	1	1.2	285	1867-1890DCT	13C	FIX

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconstructed 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



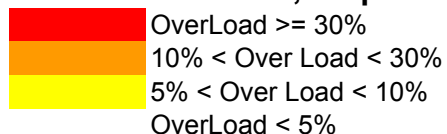
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	54.7	288	1867-1880DCT	25C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	54.0	288	1867-1880DCT	17C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	53.8	284	1867-1880DCT	21C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	2	53.5	284	1867-1880DCT	13C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	51.7	288	1867-1880DCT	24C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	51.4	284	1867-1880DCT	20C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	50.9	288	1867-1880DCT	16C	FIX		
73168 GLNBROOK 115 73237 ELYAVE 115 1	LN	3	50.4	284	1867-1880DCT	12C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	49.0	291	1880-1890DCT	25C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	47.5	291	1880-1890DCT	17C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	47.4	287	1880-1890DCT	21C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	45.8	287	1880-1890DCT	13C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	40.4	291	1880-1890DCT	24C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	39.0	287	1880-1890DCT	20C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	38.7	291	1880-1890DCT	16C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	1	37.3	287	1880-1890DCT	12C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	21.9	291	1880-1890DCT	22C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	20.4	291	1880-1890DCT	14C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	20.0	287	1880-1890DCT	18C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	18.5	287	1880-1890DCT	10C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	18.2	291	1880-1890DCT	23C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	16.7	291	1880-1890DCT	15C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	16.6	287	1880-1890DCT	19C	FIX		
73168 GLNBROOK 115 73271 RYTN J B 115 1	LN	3	15.1	287	1880-1890DCT	11C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	44.6	285	1867-1890DCT	20C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	43.9	289	1867-1890DCT	25C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	43.8	289	1867-1890DCT	17C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	43.8	289	1867-1890DCT	24C	FIX		

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconducted 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



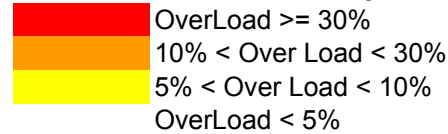
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	43.7	285	1867-1890DCT	13C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	43.3	285	1867-1890DCT	12C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	43.3	289	1867-1890DCT	16C	FIX		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	1	42.7	285	1867-1890DCT	21C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	39	86.5	254	1416-1867DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	31	82.9	250	1416-1867DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	37	82.8	254	1416-1867DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	29	80.5	254	1416-1867DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	33	80.0	250	1416-1867DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	29	77.6	250	1416-1867DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	26	77.0	254	1416-1867DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	25	74.7	250	1416-1867DCT	11C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	88.7	429	TRIANGLE3T	22C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	88.0	429	TRIANGLE3T	14C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	87.3	429	TRIANGLE3T	17C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	86.1	429	TRIANGLE3T	15C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	85.1	429	TRIANGLE3T	25C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	78.0	425	TRIANGLE3T	18C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	76.7	425	TRIANGLE3T	10C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	76.6	429	TRIANGLE3T	23C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	75.6	425	TRIANGLE3T	13C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	75.2	425	TRIANGLE3T	21C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	75.0	425	TRIANGLE3T	19C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	74.8	425	TRIANGLE3T	11C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	74.5	429	TRIANGLE3T	16C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	73.4	425	TRIANGLE3T	12C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	72.7	429	TRIANGLE3T	24C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 1	LN	3	71.8	425	TRIANGLE3T	20C	FIX		

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconstructed 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



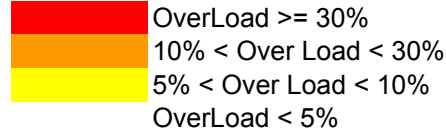
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.3	235	1060-1270DCT	22C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.2	235	1060-1270DCT	14C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.2	235	1060-1270DCT	15C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.2	231	1060-1270DCT	18C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.2	235	1060-1270DCT	23C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.1	231	1060-1270DCT	10C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.1	235	1060-1270DCT	17C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.0	231	1060-1270DCT	11C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	35.0	235	1060-1270DCT	16C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.9	231	1060-1270DCT	13C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.9	231	1060-1270DCT	19C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.9	235	1060-1270DCT	25C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.8	231	1060-1270DCT	12C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.8	231	1060-1270DCT	21C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.7	235	1060-1270DCT	24C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	1	34.5	231	1060-1270DCT	20C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.8	428	TRIANGLE2T	22C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.6	428	TRIANGLE2T	14C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.3	428	TRIANGLE2T	17C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.1	428	TRIANGLE2T	15C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	187.0	428	TRIANGLE2T	25C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	184.4	424	TRIANGLE2T	18C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	184.1	428	TRIANGLE2T	23C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	184.0	424	TRIANGLE2T	10C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	183.7	424	TRIANGLE2T	13C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	183.6	424	TRIANGLE2T	11C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	183.6	428	TRIANGLE2T	16C	FIX
73170 PLUMTREE 115	73268 MDDL RIV 115	1	LN	2	183.5	424	TRIANGLE2T	19C	FIX

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconstructed 387 Line

Worst Overload for Each Branch

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	183.4	424	TRIANGLE2T	21C	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	183.2	424	TRIANGLE2T	12C	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	182.8	428	TRIANGLE2T	24C	FIX		
73170 PLUMTREE 115 73268 MDDL RIV 115 1	LN	2	182.5	424	TRIANGLE2T	20C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	12	60.7	288	1867-1880DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	6	58.8	288	1867-1880DCT	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	5	58.1	284	1867-1880DCT	21C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	3	57.2	284	1867-1880DCT	13C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	52.1	288	1867-1880DCT	24C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	51.4	284	1867-1880DCT	20C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	49.8	288	1867-1880DCT	16C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	2	48.5	284	1867-1880DCT	12C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.4	291	1880-1890DCT	17C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.4	291	1880-1890DCT	25C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.3	287	1880-1890DCT	12C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.3	287	1880-1890DCT	20C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	287	1880-1890DCT	13C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	16C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	287	1880-1890DCT	21C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	24C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	420	101.0	255	1416-1880DCT	22C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	401	97.5	251	1416-1880DCT	18C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	399	97.2	255	1416-1880DCT	14C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	339	95.0	255	1416-1880DCT	23C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	314	94.4	251	1416-1880DCT	10C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	50	92.1	251	1416-1880DCT	19C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	54	91.5	255	1416-1880DCT	15C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	41	89.2	251	1416-1880DCT	11C	FIX		

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconducted 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload

	OverLoad >= 30%
	10% < Over Load < 30%
	5% < Over Load < 10%
	OverLoad < 5%

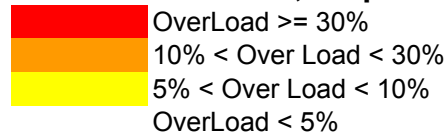
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	11.5	368	FROSTBR27T	17C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	11.3	368	FROSTBR27T	14C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	8.8	368	FROSTBR27T	25C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	8.7	368	FROSTBR27T	22C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	4.2	364	FROSTBR27T	13C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	4.0	364	FROSTBR27T	10C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	1.8	364	FROSTBR27T	21C	FIX
73183 SHAWSHIL 115	73185 BUNKER H 115	1	LN	1	1.5	364	FROSTBR27T	18C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	33.4	248	1272-1721DCT	25C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	33.2	248	1272-1721DCT	17C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	32.0	244	1272-1721DCT	13C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	32.0	244	1272-1721DCT	21C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	31.2	248	1272-1721DCT	14C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	30.9	248	1272-1721DCT	22C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	29.8	244	1272-1721DCT	10C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	29.8	244	1272-1721DCT	18C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	28.1	248	1272-1721DCT	23C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	28.0	248	1272-1721DCT	15C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	27.6	244	1272-1721DCT	19C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	27.5	244	1272-1721DCT	11C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	26.9	248	1272-1721DCT	16C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	26.9	248	1272-1721DCT	24C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	26.5	244	1272-1721DCT	20C	FIX
73188 BCNFL PF 115	73192 DRBY J B 115	1	LN	2	26.4	244	1272-1721DCT	12C	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	5	31.1	295	1460-387DCT	14C	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	5	29.3	295	1460-387DCT	17C	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	4	11.0	295	1460-387DCT	22C	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	3	10.1	295	1460-387DCT	25C	FIX

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconducted 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



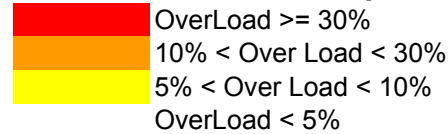
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	1	2.3	291	1460-387DCT	10C	FIX
73196 GLEN JCT 115	73198 SOUTHGTN 115	1	LN	1	1.8	291	1460-387DCT	13C	FIX
73196 GLEN JCT 115	73675 MIX AVE 115	1	LN	1	2.1	295	1460-387DCT	14C	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	4	10.4	224	387LINE	14C	FIX
73198 SOUTHGTN 115	73631 WLNGF PF 115	1	LN	4	9.4	460	SCOVRK8TSTK	17C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	24	83.7	255	1416-1880DCT	22C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	80.0	251	1416-1880DCT	18C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	79.9	255	1416-1880DCT	14C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	77.5	255	1416-1880DCT	23C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	23	77.0	251	1416-1880DCT	10C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	16	74.6	251	1416-1880DCT	19C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	16	74.1	255	1416-1880DCT	15C	FIX
73207 FLAX HIL 115	73271 RYTN J B 115	1	LN	15	71.7	251	1416-1880DCT	11C	FIX
73224 TRMB J A 115	73700 PEQUONIC 115	1	LN	1	3.0	341	DEVON2TSTK	12C	FIX
73224 TRMB J A 115	73700 PEQUONIC 115	1	LN	1	1.4	341	DEVON2TSTK	20C	FIX
73228 BALDWNJB 115	73185 BUNKER H 115	1	LN	3	5.5	295	1460-387DCT	14C	FIX
73228 BALDWNJB 115	73185 BUNKER H 115	1	LN	3	3.2	460	SCOVRK8TSTK	17C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	4	25.2	82	1620SLINE	17C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	5	25.1	82	1620SLINE	14C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	17.2	82	1620SLINE	22C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	17.1	82	1620SLINE	25C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	11.3	82	1620SLINE	10C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	11.1	82	1620SLINE	13C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	3.4	82	1620SLINE	18C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	3.4	82	1620SLINE	21C	FIX
73230 HADDAM 115	73231 BOKUM 115	1	LN	1	1.7	82	1620SLINE	15C	FIX
73230 HADDAM 115	73231 BOKUM 115	2	LN	2	8.8	33	1261LINE	17C	FIX
73230 HADDAM 115	73231 BOKUM 115	2	LN	2	8.7	33	1261LINE	14C	FIX

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconstructed 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



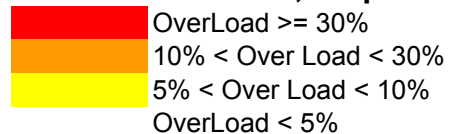
From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73230 HADDAM 115 73231 BOKUM 115 2	LN	1	1.8	33	1261LINE	22C	FIX		
73230 HADDAM 115 73231 BOKUM 115 2	LN	1	1.8	33	1261LINE	25C	FIX		
73231 BOKUM 115 73265 GREEN HL 115 1	LN	2	2.7	460	SCOVKR8TSTK	14C	FIX		
73231 BOKUM 115 73265 GREEN HL 115 1	LN	1	2.3	460	SCOVKR8TSTK	17C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	126.4	428	TRIANGLE2T	22C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	126.2	428	TRIANGLE2T	14C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	126.0	428	TRIANGLE2T	17C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	125.8	428	TRIANGLE2T	15C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	125.8	428	TRIANGLE2T	25C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	123.3	424	TRIANGLE2T	18C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	123.0	424	TRIANGLE2T	10C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	123.0	428	TRIANGLE2T	23C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.7	424	TRIANGLE2T	13C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.6	424	TRIANGLE2T	11C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.6	424	TRIANGLE2T	19C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.6	424	TRIANGLE2T	21C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.5	428	TRIANGLE2T	16C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.3	424	TRIANGLE2T	12C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	122.1	428	TRIANGLE2T	24C	FIX		
73268 MDDL RIV 115 73176 TRIANGLE 115 1	LN	2	121.8	424	TRIANGLE2T	20C	FIX		
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	2	3.8	463	NORSING1	11C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	1	3.8	368	GRNDAV2TSTK	13C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	1	1.5	368	GRNDAV2TSTK	21C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	1	3.8	368	GRNDAV2TSTK	13C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	1	1.5	368	GRNDAV2TSTK	21C	FIX		
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	1	0.6	248	1389-1880DCT	11C	FIX		
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	1	0.6	248	1389-1880DCT	19C	FIX		
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	1	0.5	252	1389-1880DCT	23C	FIX		

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 10C - 25C

Reconducted 387 Line

Worst Overload for Each Branch

Sorted by branch and then by overload



From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.3	252	1389-1880DCT	15C	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.2	252	1389-1880DCT	22C	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.1	248	1389-1880DCT	10C	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	1	0.1	248	1389-1880DCT	18C	FIX
75053 NRTHPT P 138	75051 NRTHPT1 138	1	TR	3	11.4	451	LONGMT5TSTK	25C	FIX
75053 NRTHPT P 138	75051 NRTHPT1 138	1	TR	1	5.3	447	LONGMT5TSTK	21C	FIX

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

Reconducted 387 line

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

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	1741.0	978.8	1446.0	120.4	295	1460-387DCT	17C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1731.1	940.0	1446.0	119.7	295	1460-387DCT	14C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1714.7	978.8	1446.0	118.6	224	387LINE	17C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1703.6	940.0	1446.0	117.8	224	387LINE	14C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1632.8	978.8	1446.0	112.9	460	SCOVKR8TSTK	17C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1597.9	940.0	1446.0	110.5	460	SCOVKR8TSTK	14C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1524.0	978.8	1446.0	105.4	458	SCOVKR5TSTK	17C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1507.1	915.0	1446.0	104.2	291	1460-387DCT	13C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1491.6	940.0	1446.0	103.2	458	SCOVKR5TSTK	14C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1490.1	915.0	1446.0	103.0	220	387LINE	13C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1481.2	877.5	1446.0	102.4	291	1460-387DCT	10C	FIX
73104 FRSTBDGE 345	73106 SOUTHGTN 345	1	LN	1463.2	877.5	1446.0	101.2	220	387LINE	10C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2189.8	1232.3	1912.0	114.5	295	1460-387DCT	14C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2185.5	1232.3	1912.0	114.3	224	387LINE	14C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2183.3	1263.1	1912.0	114.2	295	1460-387DCT	17C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	2179.7	1263.1	1912.0	114.0	224	387LINE	17C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1959.3	1263.1	1912.0	102.5	458	SCOVKR5TSTK	17C	FIX
73106 SOUTHGTN 345	73122 MERID362 345	1	LN	1937.6	1232.3	1912.0	101.3	458	SCOVKR5TSTK	14C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	781.1	291.5	585.0	133.5	464	SGTN5TSTK	17C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	768.3	291.8	585.0	131.3	464	SGTN5TSTK	14C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	748.9	284.4	585.0	128.0	460	SGTN5TSTK	13C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	737.0	284.9	585.0	126.0	460	SGTN5TSTK	10C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	716.4	277.7	585.0	122.5	464	SGTN5TSTK	15C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	693.8	267.3	585.0	118.6	464	SGTN5TSTK	16C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	689.0	271.1	585.0	117.8	460	SGTN5TSTK	11C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	670.7	277.1	585.0	114.6	464	SGTN5TSTK	25C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	665.4	260.6	585.0	113.7	460	SGTN5TSTK	12C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	660.3	277.5	585.0	112.9	464	SGTN5TSTK	22C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	641.0	270.2	585.0	109.6	460	SGTN5TSTK	21C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	630.8	270.5	585.0	107.8	460	SGTN5TSTK	18C	FIX
73106 SOUTHGTN 345	73154 SGTN B 115	2	TR	610.8	263.4	585.0	104.4	464	SGTN5TSTK	23C	FIX

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

Reconducted 387 line

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

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	588.1	252.9	585.0	100.5	464	SGTN5TSTK	24C	FIX		
73107 SCOVL RK 345 73114 KLEEN 345 1	LN	1450.0	1021.0	1446.0	100.3	454	MONTVSTBKR	14C	FIX		
73107 SCOVL RK 345 73114 KLEEN 345 1	LN	1449.4	1021.0	1446.0	100.2	215	364+AUTO	14C	FIX		
73107 SCOVL RK 345 73114 KLEEN 345 1	LN	1447.4	1018.1	1446.0	100.1	215	364+AUTO	17C	FIX		
73107 SCOVL RK 345 73114 KLEEN 345 1	LN	1448.1	1018.1	1446.0	100.1	454	MONTVSTBKR	17C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	2198.9	1566.9	1912.0	115.0	463	SGTN4TSTK	17C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	2196.9	1596.0	1912.0	114.9	463	SGTN4TSTK	14C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	2066.5	1596.0	1912.0	108.1	462	SGTN3TSTK	14C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	2058.8	1596.0	1912.0	107.7	195	318LINE	14C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	2053.9	1566.9	1912.0	107.4	462	SGTN3TSTK	17C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	1596.0	1596.0	1488.0	107.3		** Base Case	14C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	2042.5	1566.9	1912.0	106.8	195	318LINE	17C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	1566.9	1566.9	1488.0	105.3		** Base Case	17C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	1966.8	1596.0	1912.0	102.9	464	SGTN5TSTK	14C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	1951.6	1566.9	1912.0	102.1	464	SGTN5TSTK	17C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	1913.9	1596.0	1912.0	100.1	197	329LINE	14C	FIX		
73107 SCOVL RK 345 73663 E.SHORE 345 1	LN	1911.9	1596.0	1912.0	100.0	297	1618-321DCT	14C	FIX		
73121 HADAUTO 345 73110 MILLSTNE 345 1	LN	1576.2	1038.2	1524.0	103.4	195	318LINE	17C	FIX		
73121 HADAUTO 345 73110 MILLSTNE 345 1	LN	1567.0	1038.2	1524.0	102.8	462	SGTN3TSTK	17C	FIX		
73121 HADAUTO 345 73110 MILLSTNE 345 1	LN	1549.0	1025.5	1524.0	101.6	195	318LINE	14C	FIX		
73121 HADAUTO 345 73110 MILLSTNE 345 1	LN	1538.2	1025.5	1524.0	100.9	462	SGTN3TSTK	14C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	10C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	11C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239.0	124.8	407	SOUTHEND6T	12C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70.0	239.0	124.8	407	SOUTHEND6T	13C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	14C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	15C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239.0	124.8	411	SOUTHEND6T	16C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70.0	239.0	124.8	411	SOUTHEND6T	17C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	18C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	407	SOUTHEND6T	19C	FIX		

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

Reconducted 387 line

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

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	407	SOUTHEND6T	20C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70.0	239.0	124.8	407	SOUTHEND6T	21C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	22C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239.0	124.8	411	SOUTHEND6T	23C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239.0	124.8	411	SOUTHEND6T	24C	FIX		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70.0	239.0	124.8	411	SOUTHEND6T	25C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	10C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	11C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352.0	102.5	407	SOUTHEND6T	12C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133.0	352.0	102.5	407	SOUTHEND6T	13C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	411	SOUTHEND6T	14C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	411	SOUTHEND6T	15C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352.0	102.5	411	SOUTHEND6T	16C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133.0	352.0	102.5	411	SOUTHEND6T	17C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	18C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	407	SOUTHEND6T	19C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352.0	102.5	407	SOUTHEND6T	20C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133.0	352.0	102.5	407	SOUTHEND6T	21C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352.0	102.5	411	SOUTHEND6T	22C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352.0	102.5	411	SOUTHEND6T	23C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352.0	102.5	411	SOUTHEND6T	24C	FIX		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133.0	352.0	102.5	411	SOUTHEND6T	25C	FIX		
73164 BALDWNJA 115 73187 STEVENS 115 1	LN	294.0	149.4	282.0	104.3	295	1460-387DCT	14C	FIX		
73164 BALDWNJA 115 73187 STEVENS 115 1	LN	289.0	149.4	282.0	102.5	224	387LINE	14C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	328.0	179.7	287.0	114.3	295	1460-387DCT	14C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	323.1	179.7	287.0	112.6	224	387LINE	14C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	316.5	179.7	287.0	110.3	460	SCOVKR8TSTK	14C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	313.1	172.8	287.0	109.1	295	1460-387DCT	17C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	308.8	172.8	287.0	107.6	224	387LINE	17C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	308.7	167.5	287.0	107.6	297	1618-321DCT	22C	FIX		
73164 BALDWNJA 115 73202 FROST BR 115 1	LN	307.1	172.8	287.0	107.0	460	SCOVKR8TSTK	17C	FIX		

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

Reconducted 387 line

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

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	296.1	167.5	287.0	103.2	303	1887-321DCT	22C	FIX	
73164	BALDWNJA 115 73202 FROST BR 115 1	LN	294.6	179.7	287.0	102.6	458	SCOVRR5TSTK	14C	FIX	
73164	BALDWNJA 115 73202 FROST BR 115 1	LN	288.0	179.7	287.0	100.3	297	1618-321DCT	14C	FIX	
73166	NORHR138 138 73171 NWLK HAR 115 1	TR	492.5	207.0	402.0	122.5	451	LONGMT5TSTK	25C	FIX	
73166	NORHR138 138 73171 NWLK HAR 115 1	TR	466.1	203.6	402.0	116.0	447	LONGMT5TSTK	21C	FIX	
73166	NORHR138 138 73171 NWLK HAR 115 1	TR	451.0	207.0	402.0	112.2	228	398LINE	25C	FIX	
73166	NORHR138 138 73171 NWLK HAR 115 1	TR	451.0	207.0	402.0	112.2	229	398LREAC	25C	FIX	
73166	NORHR138 138 73171 NWLK HAR 115 1	TR	431.7	203.6	402.0	107.4	224	398LINE	21C	FIX	
73166	NORHR138 138 73171 NWLK HAR 115 1	TR	431.7	203.6	402.0	107.4	225	398LREAC	21C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.8	289.0	123.2	253	1440-1450DCT	10C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	113.1	289.0	123.2	253	1440-1450DCT	11C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.7	289.0	123.2	253	1440-1450DCT	12C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.9	289.0	123.2	253	1440-1450DCT	13C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.7	289.0	123.2	257	1440-1450DCT	14C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	113.0	289.0	123.2	257	1440-1450DCT	15C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.6	289.0	123.2	257	1440-1450DCT	16C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.7	289.0	123.2	257	1440-1450DCT	17C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.7	289.0	123.2	253	1440-1450DCT	18C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.9	289.0	123.2	253	1440-1450DCT	19C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.5	289.0	123.2	253	1440-1450DCT	20C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.7	289.0	123.2	253	1440-1450DCT	21C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.6	289.0	123.2	257	1440-1450DCT	22C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	112.8	289.0	123.2	257	1440-1450DCT	23C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	109.4	289.0	123.2	257	1440-1450DCT	24C	FIX	
73167	SO.END 115 73294 GLNBRK J 115 1	LN	356.0	108.6	289.0	123.2	257	1440-1450DCT	25C	FIX	
73168	GLNBROOK 115 73169 RYTN J A 115 1	LN	454.0	179.3	439.0	103.4	289	1867-1890DCT	25C	FIX	
73168	GLNBROOK 115 73169 RYTN J A 115 1	LN	449.4	177.4	439.0	102.4	289	1867-1890DCT	17C	FIX	
73168	GLNBROOK 115 73169 RYTN J A 115 1	LN	448.3	177.1	439.0	102.1	285	1867-1890DCT	21C	FIX	
73168	GLNBROOK 115 73169 RYTN J A 115 1	LN	444.2	175.2	439.0	101.2	285	1867-1890DCT	13C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	431.7	172.1	279.0	154.7	288	1867-1880DCT	25C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	429.8	171.9	279.0	154.0	288	1867-1880DCT	17C	FIX	

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

Reconducted 387 line

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

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 73237 ELYAVE 115 1	LN	429.1	171.5	279.0	153.8	284	1867-1880DCT	21C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	428.2	171.6	279.0	153.5	284	1867-1880DCT	13C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	423.1	170.8	279.0	151.7	288	1867-1880DCT	24C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	422.5	170.9	279.0	151.4	284	1867-1880DCT	20C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	420.9	170.4	279.0	150.9	288	1867-1880DCT	16C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	419.6	170.2	279.0	150.4	284	1867-1880DCT	12C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	288.7	170.2	279.0	103.5	251	1416-1880DCT	12C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	287.8	170.4	279.0	103.2	255	1416-1880DCT	16C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	287.8	170.9	279.0	103.2	251	1416-1880DCT	20C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	286.8	170.8	279.0	102.8	255	1416-1880DCT	24C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	283.6	171.6	279.0	101.7	251	1416-1880DCT	13C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	282.8	171.9	279.0	101.3	255	1416-1880DCT	17C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	282.2	171.5	279.0	101.2	251	1416-1880DCT	21C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	281.7	172.1	279.0	101.0	255	1416-1880DCT	25C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	281.4	170.2	279.0	100.9	250	1416-1867DCT	12C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	280.6	170.9	279.0	100.6	250	1416-1867DCT	20C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	280.5	170.4	279.0	100.5	254	1416-1867DCT	16C	FIX	
73168	GLNBROOK 115 73237 ELYAVE 115 1	LN	279.5	170.8	279.0	100.2	254	1416-1867DCT	24C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	430.7	165.1	289.0	149.0	291	1880-1890DCT	25C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	426.2	163.3	289.0	147.5	291	1880-1890DCT	17C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	425.9	163.0	289.0	147.4	287	1880-1890DCT	21C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	421.3	161.1	289.0	145.8	287	1880-1890DCT	13C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	405.7	154.5	289.0	140.4	291	1880-1890DCT	24C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	401.7	152.9	289.0	139.0	287	1880-1890DCT	20C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	400.9	152.6	289.0	138.7	291	1880-1890DCT	16C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	396.9	150.9	289.0	137.3	287	1880-1890DCT	12C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	352.2	150.8	289.0	121.9	291	1880-1890DCT	22C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	347.8	149.0	289.0	120.4	291	1880-1890DCT	14C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	346.9	148.3	289.0	120.0	287	1880-1890DCT	18C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	342.3	145.7	289.0	118.5	287	1880-1890DCT	10C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	341.6	145.2	289.0	118.2	291	1880-1890DCT	23C	FIX	

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

Reconducted 387 line

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

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	337.2	143.4	289.0	116.7	291	1880-1890DCT	15C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	337.1	150.8	289.0	116.7	255	1416-1880DCT	22C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	337.1	143.3	289.0	116.6	287	1880-1890DCT	19C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	335.8	149.0	289.0	116.2	255	1416-1880DCT	14C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	334.9	148.3	289.0	115.9	251	1416-1880DCT	18C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	332.5	145.7	289.0	115.1	251	1416-1880DCT	10C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	332.7	141.5	289.0	115.1	287	1880-1890DCT	11C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	332.2	145.2	289.0	115.0	255	1416-1880DCT	23C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	330.9	143.4	289.0	114.5	255	1416-1880DCT	15C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	330.6	143.3	289.0	114.4	251	1416-1880DCT	19C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	329.7	141.5	289.0	114.1	251	1416-1880DCT	11C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	309.1	150.8	289.0	107.0	292	1880-1977DCT	22C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	307.7	149.0	289.0	106.5	292	1880-1977DCT	14C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	306.8	148.3	289.0	106.2	288	1880-1977DCT	18C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	304.5	145.7	289.0	105.4	288	1880-1977DCT	10C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	304.2	145.2	289.0	105.3	292	1880-1977DCT	23C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	302.9	143.4	289.0	104.8	292	1880-1977DCT	15C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	302.6	143.3	289.0	104.7	288	1880-1977DCT	19C	FIX	
73168	GLNBROOK 115 73271 RYTN J B 115 1	LN	301.6	141.5	289.0	104.4	288	1880-1977DCT	11C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	396.3	175.1	274.0	144.6	285	1867-1890DCT	20C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	394.3	156.7	274.0	143.9	289	1867-1890DCT	25C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	394.0	159.5	274.0	143.8	289	1867-1890DCT	17C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	393.9	171.6	274.0	143.8	289	1867-1890DCT	24C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	393.8	162.3	274.0	143.7	285	1867-1890DCT	13C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	392.7	176.2	274.0	143.3	285	1867-1890DCT	12C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	392.5	173.7	274.0	143.3	289	1867-1890DCT	16C	FIX	
73169	RYTN J A 115 73171 NWLK HAR 115 1	LN	391.0	158.2	274.0	142.7	285	1867-1890DCT	21C	FIX	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	477.5	250.2	256.0	186.5	254	1416-1867DCT	22C	FIX	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	468.9	250.2	256.0	183.2	289	1867-1890DCT	22C	FIX	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	468.3	243.6	256.0	182.9	250	1416-1867DCT	18C	FIX	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	467.9	244.0	256.0	182.8	254	1416-1867DCT	14C	FIX	

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

Reconducted 387 line

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

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	462.0	238.9	256.0	180.5	254	1416-1867DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	460.7	238.4	256.0	180.0	250	1416-1867DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	459.7	244.0	256.0	179.6	289	1867-1890DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	455.7	243.6	256.0	178.0	285	1867-1890DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	454.6	233.5	256.0	177.6	250	1416-1867DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	453.2	233.1	256.0	177.0	254	1416-1867DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	451.3	238.9	256.0	176.3	289	1867-1890DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	450.3	250.2	256.0	175.9	290	1867-1977DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	449.1	238.4	256.0	175.4	285	1867-1890DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	447.3	228.4	256.0	174.7	250	1416-1867DCT	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	444.9	233.5	256.0	173.8	285	1867-1890DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	442.9	233.1	256.0	173.0	289	1867-1890DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	441.1	243.6	256.0	172.3	286	1867-1977DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	440.8	244.0	256.0	172.2	290	1867-1977DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	437.9	228.4	256.0	171.1	285	1867-1890DCT	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	434.9	238.9	256.0	169.9	290	1867-1977DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	433.6	238.4	256.0	169.4	286	1867-1977DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	427.5	233.5	256.0	167.0	286	1867-1977DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	426.2	233.1	256.0	166.5	290	1867-1977DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	420.3	228.4	256.0	164.2	286	1867-1977DCT	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	413.7	250.2	256.0	161.6	45	1389LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	411.2	250.2	256.0	160.6	242	113091001DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	407.0	244.0	256.0	159.0	242	113091001DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	406.6	243.6	256.0	158.8	238	113091001DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	404.5	238.9	256.0	158.0	242	113091001DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	404.1	243.6	256.0	157.9	45	1389LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.9	238.4	256.0	157.8	238	113091001DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.2	244.0	256.0	157.5	45	1389LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	401.5	233.5	256.0	156.8	238	113091001DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	401.0	233.1	256.0	156.6	242	113091001DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	399.1	228.4	256.0	155.9	238	113091001DCT	11C	FIX		

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

Reconducted 387 line

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

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	396.9	238.9	256.0	155.0	45	1389LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	396.6	250.2	256.0	154.9	365	FLAXHILL2T	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	395.3	238.4	256.0	154.4	45	1389LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	388.7	233.5	256.0	151.9	45	1389LINE	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	387.3	243.6	256.0	151.3	361	FLAXHILL2T	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	386.9	233.1	256.0	151.1	45	1389LINE	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	386.5	244.0	256.0	151.0	365	FLAXHILL2T	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	382.3	250.2	256.0	149.4	143	1867LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	382.3	250.2	256.0	149.4	395	NORWLKHAR7T	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	380.4	238.9	256.0	148.6	365	FLAXHILL2T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	379.9	228.4	256.0	148.4	45	1389LINE	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	378.8	238.4	256.0	148.0	361	FLAXHILL2T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	377.9	250.2	256.0	147.6	241	1130-1430DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.5	250.2	256.0	146.7	256	1416-1890DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	374.0	244.0	256.0	146.1	241	1130-1430DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	373.5	243.6	256.0	145.9	237	1130-1430DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.9	243.6	256.0	145.7	143	1867LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.9	243.6	256.0	145.7	391	NORWLKHAR7T	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.4	233.5	256.0	145.5	361	FLAXHILL2T	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.1	244.0	256.0	145.4	143	1867LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.1	244.0	256.0	145.4	395	NORWLKHAR7T	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.7	244.0	256.0	145.2	256	1416-1890DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.5	238.9	256.0	145.1	241	1130-1430DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.2	243.6	256.0	145.0	252	1416-1890DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.1	238.4	256.0	144.9	237	1130-1430DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.8	233.1	256.0	144.8	365	FLAXHILL2T	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.3	238.9	256.0	144.3	256	1416-1890DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.9	238.4	256.0	144.1	252	1416-1890DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.6	233.5	256.0	144.0	237	1130-1430DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.4	233.1	256.0	143.9	241	1130-1430DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.6	228.4	256.0	143.2	237	1130-1430DCT	11C	FIX		

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

Reconducted 387 line

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

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	366.2	233.1	256.0	143.1	256	1416-1890DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.5	233.5	256.0	143.1	252	1416-1890DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.0	238.9	256.0	143.0	143	1867LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.0	238.9	256.0	143.0	395	NORWLKHAR7T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.5	228.4	256.0	142.4	252	1416-1890DCT	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.4	238.4	256.0	142.3	143	1867LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.4	238.4	256.0	142.3	391	NORWLKHAR7T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	363.8	228.4	256.0	142.1	361	FLAXHILL2T	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	357.9	233.5	256.0	139.8	143	1867LINE	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	357.9	233.5	256.0	139.8	391	NORWLKHAR7T	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	356.2	233.1	256.0	139.1	143	1867LINE	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	356.2	233.1	256.0	139.1	395	NORWLKHAR7T	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	351.5	250.2	256.0	137.3	293	1890-1977DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	349.2	228.4	256.0	136.4	143	1867LINE	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	349.2	228.4	256.0	136.4	391	NORWLKHAR7T	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	347.8	244.0	256.0	135.9	293	1890-1977DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	347.3	243.6	256.0	135.6	289	1890-1977DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345.6	238.9	256.0	135.0	293	1890-1977DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345.0	238.4	256.0	134.8	289	1890-1977DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	342.7	233.5	256.0	133.9	289	1890-1977DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	342.5	233.1	256.0	133.8	293	1890-1977DCT	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	340.8	228.4	256.0	133.1	289	1890-1977DCT	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	325.0	250.2	256.0	127.0	189	91001LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	319.6	244.0	256.0	124.8	189	91001LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	319.4	243.6	256.0	124.8	189	91001LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	315.9	238.9	256.0	123.4	189	91001LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	315.3	238.4	256.0	123.1	189	91001LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	311.6	233.5	256.0	121.7	189	91001LINE	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	311.0	233.1	256.0	121.5	189	91001LINE	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	307.6	228.4	256.0	120.1	189	91001LINE	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	305.0	250.2	256.0	119.1	18	1130LINE	22C	FIX		

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

Reconducted 387 line

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

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	304.2	250.2	256.0	118.8	326	ASHCREKBKR	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	302.5	250.2	256.0	118.2	398	PEQUONI2TSTK	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299.6	244.0	256.0	117.0	18	1130LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299.2	244.0	256.0	116.9	326	ASHCREKBKR	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299.2	243.6	256.0	116.9	18	1130LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	250.2	250.2	214.0	116.9		** Base Case	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298.9	250.2	256.0	116.8	49	1430LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298.7	243.6	256.0	116.7	322	ASHCREKBKR	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.5	244.0	256.0	115.8	398	PEQUONI2TSTK	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.8	243.6	256.0	115.6	394	PEQUONI2TSTK	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.5	250.2	256.0	115.4	19	1130+1416LNS	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.3	238.9	256.0	115.4	18	1130LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.3	238.9	256.0	115.3	326	ASHCREKBKR	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294.8	238.4	256.0	115.2	18	1130LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294.9	238.4	256.0	115.2	322	ASHCREKBKR	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.8	244.0	256.0	114.8	49	1430LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.9	250.2	256.0	114.8	408	SASCOCR1T	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.8	250.2	256.0	114.7	370	GLENBROOK8T	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.4	243.6	256.0	114.6	49	1430LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.1	250.2	256.0	114.5	48	1416LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.2	250.2	256.0	114.5	148	1890LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.2	250.2	256.0	114.5	391	NORWLKHAR1T	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	244.0	244.0	214.0	114.0		** Base Case	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.7	238.9	256.0	113.9	398	PEQUONI2TSTK	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	243.6	243.6	214.0	113.8		** Base Case	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.0	238.4	256.0	113.7	394	PEQUONI2TSTK	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.0	233.5	256.0	113.7	322	ASHCREKBKR	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.7	233.1	256.0	113.6	326	ASHCREKBKR	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.8	233.5	256.0	113.6	18	1130LINE	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.3	233.1	256.0	113.4	18	1130LINE	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.2	244.0	256.0	113.3	19	1130+1416LNS	14C	FIX		

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

Reconducted 387 line

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

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	290.2	238.9	256.0	113.3	49	1430LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.7	243.6	256.0	113.2	19	1130+1416LNS	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.5	238.4	256.0	113.1	49	1430LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.7	244.0	256.0	112.8	370	GLENBROOK8T	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.9	244.0	256.0	112.8	408	SASCOCR1T	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.5	243.6	256.0	112.7	404	SASCOCR1T	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.1	244.0	256.0	112.6	148	1890LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.1	244.0	256.0	112.6	391	NORWLKHAR1T	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.3	243.6	256.0	112.6	366	GLENBROOK8T	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.7	244.0	256.0	112.4	48	1416LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.8	243.6	256.0	112.4	148	1890LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.8	243.6	256.0	112.4	387	NORWLKHAR1T	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.4	228.4	256.0	112.3	322	ASHCREKBKR	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.3	243.6	256.0	112.2	48	1416LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.6	228.4	256.0	112.0	18	1130LINE	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.1	233.1	256.0	111.8	398	PEQUON12TSTK	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.2	233.5	256.0	111.8	394	PEQUON12TSTK	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.9	233.5	256.0	111.7	49	1430LINE	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.9	238.9	256.0	111.7	19	1130+1416LNS	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	238.9	238.9	214.0	111.6		** Base Case	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.5	238.4	256.0	111.5	19	1130+1416LNS	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.5	233.1	256.0	111.5	49	1430LINE	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.4	238.9	256.0	111.5	408	SASCOCR1T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	238.4	238.4	214.0	111.4		** Base Case	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.0	238.9	256.0	111.3	370	GLENBROOK8T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.8	238.4	256.0	111.2	404	SASCOCR1T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.7	238.9	256.0	111.2	148	1890LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.7	238.9	256.0	111.2	391	NORWLKHAR1T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.5	238.4	256.0	111.1	366	GLENBROOK8T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.1	238.4	256.0	111.0	148	1890LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.1	238.4	256.0	111.0	387	NORWLKHAR1T	10C	FIX		

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

Reconducted 387 line

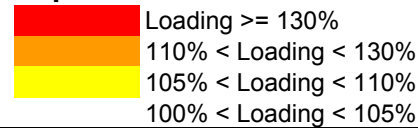
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	283.7	238.9	256.0	110.8	48	1416LINE	23C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	283.3	250.2	256.0	110.7	343	DARIEN1T	22C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	283.1	238.4	256.0	110.6	48	1416LINE	10C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	282.2	228.4	256.0	110.2	49	1430LINE	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.5	228.4	256.0	110.0	394	PEQUON12TSTK	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.4	233.5	256.0	109.9	19	1130+1416LNS	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.0	233.1	256.0	109.8	19	1130+1416LNS	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	281.2	233.5	256.0	109.8	404	SASCOCR1T	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.8	233.1	256.0	109.7	408	SASCOCR1T	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.8	233.5	256.0	109.7	366	GLENBROOK8T	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.5	233.5	256.0	109.6	148	1890LINE	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.5	233.5	256.0	109.6	387	NORWLKHAR1T	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.4	233.1	256.0	109.5	370	GLENBROOK8T	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.2	250.2	256.0	109.5	411	SOUTHEND6T	22C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.1	233.1	256.0	109.4	148	1890LINE	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	280.1	233.1	256.0	109.4	391	NORWLKHAR1T	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.5	250.2	256.0	109.2	154	1977LINENEW	22C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	233.5	233.5	214.0	109.1		** Base Case	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	279.2	233.5	256.0	109.0	48	1416LINE	19C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	233.1	233.1	214.0	108.9		** Base Case	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.7	233.1	256.0	108.9	48	1416LINE	15C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	278.1	244.0	256.0	108.6	343	DARIEN1T	14C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	277.5	228.4	256.0	108.4	404	SASCOCR1T	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	277.6	243.6	256.0	108.4	339	DARIEN1T	18C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	277.4	228.4	256.0	108.3	19	1130+1416LNS	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	277.1	228.4	256.0	108.2	366	GLENBROOK8T	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	276.8	228.4	256.0	108.1	148	1890LINE	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	276.8	228.4	256.0	108.1	387	NORWLKHAR1T	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	275.1	228.4	256.0	107.4	48	1416LINE	11C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	274.9	244.0	256.0	107.4	411	SOUTHEND6T	14C	FIX	
73169 RYTN J A 115 73172 NORWALK	115 1	LN	274.4	243.6	256.0	107.2	407	SOUTHEND6T	18C	FIX	

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

Reconducted 387 line

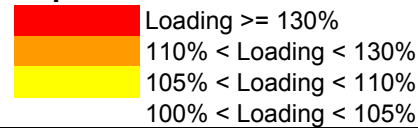


Sorted by branch and then by loading

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	274.2	244.0	256.0	107.1	154	1977LINENEW	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.7	243.6	256.0	106.9	154	1977LINENEW	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.8	238.9	256.0	106.9	343	DARIEN1T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	273.4	238.4	256.0	106.8	339	DARIEN1T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	228.4	228.4	214.0	106.8		** Base Case	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	270.6	238.9	256.0	105.7	411	SOUTHEND6T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	270.5	250.2	256.0	105.6	410	SOUTHEND5T	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	270.2	238.4	256.0	105.5	407	SOUTHEND6T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	270.0	238.9	256.0	105.5	154	1977LINENEW	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	269.5	238.4	256.0	105.3	154	1977LINENEW	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	269.3	233.5	256.0	105.2	339	DARIEN1T	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	269.0	233.1	256.0	105.1	343	DARIEN1T	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	266.4	244.0	256.0	104.0	224	387LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	266.1	233.5	256.0	103.9	407	SOUTHEND6T	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.8	233.1	256.0	103.8	411	SOUTHEND6T	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.4	228.4	256.0	103.7	339	DARIEN1T	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.4	233.5	256.0	103.7	154	1977LINENEW	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.2	244.0	256.0	103.6	192	312LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.2	244.0	256.0	103.6	193	312+393LNS	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.2	244.0	256.0	103.6	194	312+393REAC	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.2	244.0	256.0	103.6	410	SOUTHEND5T	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.1	233.1	256.0	103.6	154	1977LINENEW	15C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.0	244.0	256.0	103.5	455	NOMNTSTBKR	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.0	244.0	256.0	103.5	456	NMSTBKREAC	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	265.0	250.2	256.0	103.5	294	8100-8200DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.6	244.0	256.0	103.4	460	SCOVRR8TSTK	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.7	243.6	256.0	103.4	406	SOUTHEND5T	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.8	250.2	256.0	103.4	473	SNGPEQ-XFR	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	264.3	244.0	256.0	103.2	295	1460-387DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	263.0	244.0	256.0	102.7	225	393LINE	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	263.0	233.5	256.0	102.7	220	387LINE	19C	FIX		

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

Reconducted 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	262.8	233.5	256.0	102.7	291	1460-387DCT	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	262.1	228.4	256.0	102.4	407	SOUTHEND6T	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	262.1	243.6	256.0	102.4	290	8100-8200DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.4	228.4	256.0	102.1	154	1977LINENEW	11C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.2	233.5	256.0	102.0	456	SCOVKR8TSTK	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.1	250.2	256.0	102.0	224	387LINE	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	261.1	238.9	256.0	102.0	410	SOUTHEND5T	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.6	238.4	256.0	101.8	406	SOUTHEND5T	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.2	250.2	256.0	101.7	355	DEVON24TSTK	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.1	238.9	256.0	101.6	224	387LINE	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.9	243.6	256.0	101.5	220	387LINE	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	260.0	250.2	256.0	101.5	295	1460-387DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.4	243.6	256.0	101.3	291	1460-387DCT	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.2	250.2	256.0	101.3	250	1310-1763DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.2	238.9	256.0	101.3	295	1460-387DCT	23C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	259.0	244.0	256.0	101.2	294	8100-8200DCT	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.7	238.4	256.0	101.1	192	312LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.7	238.4	256.0	101.1	193	312+393LNS	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.7	238.4	256.0	101.1	194	312+393REAC	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.6	238.4	256.0	101.0	451	NOMNTSTBKR	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	258.6	238.4	256.0	101.0	452	NMSTBKREAC	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	257.7	244.0	256.0	100.7	473	SNGPEQ-XFR	14C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	257.7	250.2	256.0	100.7	460	SCOVKR8TSTK	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	257.1	238.4	256.0	100.4	290	8100-8200DCT	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.8	243.6	256.0	100.3	456	SCOVKR8TSTK	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.8	243.6	256.0	100.3	469	SNGPEQ-XFR	18C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.7	250.2	256.0	100.3	263	1560-1570DCT	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.6	238.4	256.0	100.2	221	393LINE	10C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.6	233.5	256.0	100.2	406	SOUTHEND5T	19C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.5	250.2	256.0	100.2	425	STEVENSNSTK	22C	FIX		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	256.5	238.9	256.0	100.2	460	SCOVKR8TSTK	23C	FIX		

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

Reconducted 387 line

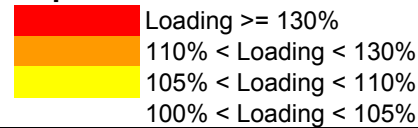
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	256.3	233.1	256.0	100.1	410	SOUTHEND5T	15C	FIX
73169 RYTN J A 115	73172 NORWALK	115 1	LN	256.2	250.2	256.0	100.1	283	1770-1887DCT	22C	FIX
73169 RYTN J A 115	73172 NORWALK	115 1	LN	256.2	250.2	256.0	100.1	426	STONYHILL1T	22C	FIX
73169 RYTN J A 115	73172 NORWALK	115 1	LN	256.1	250.2	256.0	100.0	285	1800-1810DCT	22C	FIX
73169 RYTN J A 115	73172 NORWALK	115 1	LN	256.1	250.2	256.0	100.0	421	SOTHNGTN24T	22C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	260.4	79.7	138.0	188.7	429	TRIANGLE3T	22C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	259.5	79.7	138.0	188.0	429	TRIANGLE3T	14C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	258.4	79.6	138.0	187.3	429	TRIANGLE3T	17C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	256.9	79.7	138.0	186.1	429	TRIANGLE3T	15C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	255.4	79.5	138.0	185.1	429	TRIANGLE3T	25C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	245.6	79.7	138.0	178.0	425	TRIANGLE3T	18C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	243.9	79.6	138.0	176.7	425	TRIANGLE3T	10C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	243.7	79.7	138.0	176.6	429	TRIANGLE3T	23C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	242.3	79.5	138.0	175.6	425	TRIANGLE3T	13C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	241.8	79.5	138.0	175.2	425	TRIANGLE3T	21C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	241.5	79.5	138.0	175.0	425	TRIANGLE3T	19C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	241.3	79.6	138.0	174.8	425	TRIANGLE3T	11C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	240.9	79.6	138.0	174.5	429	TRIANGLE3T	16C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	239.3	79.5	138.0	173.4	425	TRIANGLE3T	12C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	238.3	79.4	138.0	172.7	429	TRIANGLE3T	24C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	237.1	79.3	138.0	171.8	425	TRIANGLE3T	20C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	145.0	79.7	138.0	105.1	22	1165LINE	22C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.8	79.7	138.0	105.0	22	1165LINE	14C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.9	79.7	138.0	105.0	22	1165LINE	15C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.9	79.7	138.0	105.0	22	1165LINE	18C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.9	79.7	138.0	105.0	22	1165LINE	23C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.7	79.6	138.0	104.9	22	1165LINE	10C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.7	79.6	138.0	104.9	22	1165LINE	17C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.6	79.6	138.0	104.8	22	1165LINE	11C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.7	79.6	138.0	104.8	22	1165LINE	16C	FIX
73170 PLUMTREE 115	73176 TRIANGLE	115 1	LN	144.5	79.5	138.0	104.7	22	1165LINE	13C	FIX

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

Reconducted 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	144.5	79.5	138.0	104.7	22	1165LINE	19C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.5	79.5	138.0	104.7	22	1165LINE	25C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.4	79.5	138.0	104.6	22	1165LINE	12C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.3	79.5	138.0	104.6	22	1165LINE	21C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138.0	104.5	22	1165LINE	24C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.0	79.3	138.0	104.3	22	1165LINE	20C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.1	79.7	138.0	100.8	404	PLUMTREE31T	15C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.0	79.7	138.0	100.7	400	PLUMTREE31T	18C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.0	79.7	138.0	100.7	404	PLUMTREE31T	22C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	139.0	79.7	138.0	100.7	404	PLUMTREE31T	23C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.8	79.6	138.0	100.6	400	PLUMTREE31T	10C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.8	79.6	138.0	100.6	400	PLUMTREE31T	11C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.9	79.7	138.0	100.6	404	PLUMTREE31T	14C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.8	79.6	138.0	100.6	404	PLUMTREE31T	16C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.8	79.6	138.0	100.6	404	PLUMTREE31T	17C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.6	79.5	138.0	100.5	400	PLUMTREE31T	12C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.5	138.0	100.5	400	PLUMTREE31T	13C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.5	138.0	100.5	400	PLUMTREE31T	19C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.5	79.5	138.0	100.4	400	PLUMTREE31T	21C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.6	79.5	138.0	100.4	404	PLUMTREE31T	25C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.4	79.4	138.0	100.3	404	PLUMTREE31T	24C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.3	79.3	138.0	100.2	400	PLUMTREE31T	20C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.6	84.3	166.0	135.3	235	1060-1270DCT	22C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.4	84.2	166.0	135.2	235	1060-1270DCT	14C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.5	84.3	166.0	135.2	235	1060-1270DCT	15C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.5	84.3	166.0	135.2	231	1060-1270DCT	18C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.4	84.3	166.0	135.2	235	1060-1270DCT	23C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.2	84.2	166.0	135.1	231	1060-1270DCT	10C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.2	84.2	166.0	135.1	235	1060-1270DCT	17C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.1	84.1	166.0	135.0	231	1060-1270DCT	11C	FIX
73170 PLUMTREE 115	73176 TRIANGLE 115	2	LN	224.2	84.2	166.0	135.0	235	1060-1270DCT	16C	FIX

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

Reconducted 387 line

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

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	13C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	224.0	84.1	166.0	134.9	231	1060-1270DCT	19C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.9	84.1	166.0	134.9	235	1060-1270DCT	25C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.8	84.0	166.0	134.8	231	1060-1270DCT	12C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.8	84.0	166.0	134.8	231	1060-1270DCT	21C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.5	83.9	166.0	134.7	235	1060-1270DCT	24C	FIX		
73170 PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.3	83.8	166.0	134.5	231	1060-1270DCT	20C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	362.6	58.2	126.0	287.8	428	TRIANGLE2T	22C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	362.3	58.1	126.0	287.6	428	TRIANGLE2T	14C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	362.0	58.1	126.0	287.3	428	TRIANGLE2T	17C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	361.7	58.1	126.0	287.1	428	TRIANGLE2T	15C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	361.6	58.0	126.0	287.0	428	TRIANGLE2T	25C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	358.3	58.1	126.0	284.4	424	TRIANGLE2T	18C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.9	58.1	126.0	284.1	428	TRIANGLE2T	23C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.9	58.1	126.0	284.0	424	TRIANGLE2T	10C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.4	58.0	126.0	283.7	424	TRIANGLE2T	13C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.3	58.0	126.0	283.6	424	TRIANGLE2T	11C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.3	58.1	126.0	283.6	428	TRIANGLE2T	16C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.2	58.0	126.0	283.5	424	TRIANGLE2T	19C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	357.1	58.0	126.0	283.4	424	TRIANGLE2T	21C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.8	58.0	126.0	283.2	424	TRIANGLE2T	12C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.4	57.9	126.0	282.8	428	TRIANGLE2T	24C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.0	57.8	126.0	282.5	424	TRIANGLE2T	20C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.5	58.2	126.0	181.3	234	1060-1165DCT	22C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.3	58.1	126.0	181.2	234	1060-1165DCT	14C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.4	58.1	126.0	181.2	234	1060-1165DCT	15C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.4	58.1	126.0	181.2	230	1060-1165DCT	18C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.3	58.1	126.0	181.2	234	1060-1165DCT	23C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.1	58.1	126.0	181.0	230	1060-1165DCT	10C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.0	58.1	126.0	181.0	234	1060-1165DCT	16C	FIX		
73170 PLUMTREE 115 73268 MDDLRLV 115 1	LN	228.1	58.1	126.0	181.0	234	1060-1165DCT	17C	FIX		

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

Reconducted 387 line

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

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 MDDLDRIV 115 1	LN	228.0	58.0	126.0	180.9	230	1060-1165DCT	11C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.8	58.0	126.0	180.8	230	1060-1165DCT	13C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.8	58.0	126.0	180.8	230	1060-1165DCT	19C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.8	58.0	126.0	180.8	234	1060-1165DCT	25C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.7	58.0	126.0	180.7	230	1060-1165DCT	12C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.6	58.0	126.0	180.6	230	1060-1165DCT	21C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.3	57.9	126.0	180.4	234	1060-1165DCT	24C	FIX		
73170 PLUMTREE 115 73268 MDDLDRIV 115 1	LN	227.1	57.8	126.0	180.2	230	1060-1165DCT	20C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	422.6	182.0	263.0	160.7	288	1867-1880DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	417.5	176.3	263.0	158.8	288	1867-1880DCT	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	415.8	175.8	263.0	158.1	284	1867-1880DCT	21C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	413.4	171.1	263.0	157.2	284	1867-1880DCT	13C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	399.9	152.7	263.0	152.1	288	1867-1880DCT	24C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	398.3	148.6	263.0	151.4	284	1867-1880DCT	20C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	394.0	146.1	263.0	149.8	288	1867-1880DCT	16C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	390.5	141.3	263.0	148.5	284	1867-1880DCT	12C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	285.2	148.6	263.0	108.4	238	113091001DCT	20C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.9	141.3	263.0	108.3	238	113091001DCT	12C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.8	146.1	263.0	108.3	242	113091001DCT	16C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.8	152.7	263.0	108.3	242	113091001DCT	24C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.2	171.1	263.0	108.1	238	113091001DCT	13C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	284.0	176.3	263.0	108.0	242	113091001DCT	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.7	175.8	263.0	107.9	238	113091001DCT	21C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	283.8	182.0	263.0	107.9	242	113091001DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	270.6	182.0	263.0	102.9	390	NORWALKST2	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	269.1	182.0	263.0	102.3	255	1416-1880DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.8	182.0	263.0	102.2	292	1880-1977DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	268.2	182.0	263.0	102.0	189	91001LINE	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.9	176.3	263.0	101.5	189	91001LINE	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.9	182.0	263.0	101.5	146	1880LINE	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	267.0	182.0	263.0	101.5	369	GLENBROOK3T	25C	FIX		

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

Reconducted 387 line

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

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	266.6	175.8	263.0	101.4	189	91001LINE	21C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.5	182.0	263.0	101.3	290	1867-1977DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	266.3	182.0	263.0	101.2	254	1416-1867DCT	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	265.8	171.1	263.0	101.1	189	91001LINE	13C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	265.1	182.0	263.0	100.8	143	1867LINE	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264.7	176.3	263.0	100.6	390	NORWALKST2	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	264.1	176.3	263.0	100.4	255	1416-1880DCT	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.8	176.3	263.0	100.3	292	1880-1977DCT	17C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.9	175.8	263.0	100.3	386	NORWALKST2	21C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.5	182.0	263.0	100.2	365	FLAXHILL2T	25C	FIX		
73171 NWLK HAR 115 73237 ELYAVE 115 1	LN	263.3	175.8	263.0	100.1	251	1416-1880DCT	21C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317.5	173.1	304.0	104.4	291	1880-1890DCT	17C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317.4	170.2	304.0	104.4	291	1880-1890DCT	25C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317.0	189.5	304.0	104.3	287	1880-1890DCT	12C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	317.0	188.2	304.0	104.3	287	1880-1890DCT	20C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	175.5	304.0	104.2	287	1880-1890DCT	13C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	186.9	304.0	104.2	291	1880-1890DCT	16C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	171.4	304.0	104.2	287	1880-1890DCT	21C	FIX		
73171 NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	184.7	304.0	104.2	291	1880-1890DCT	24C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	514.5	267.9	256.0	201.0	255	1416-1880DCT	22C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	505.5	261.5	256.0	197.5	251	1416-1880DCT	18C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	504.8	261.7	256.0	197.2	255	1416-1880DCT	14C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	499.1	256.9	256.0	195.0	255	1416-1880DCT	23C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	497.7	256.3	256.0	194.4	251	1416-1880DCT	10C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	491.8	251.6	256.0	192.1	251	1416-1880DCT	19C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	490.3	251.1	256.0	191.5	255	1416-1880DCT	15C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	487.2	267.9	256.0	190.3	292	1880-1977DCT	22C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	484.4	246.6	256.0	189.2	251	1416-1880DCT	11C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	478.2	261.5	256.0	186.8	288	1880-1977DCT	18C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	477.6	261.7	256.0	186.6	292	1880-1977DCT	14C	FIX		
73172 NORWALK 115 73207 FLAX HIL 115 1	LN	472.0	256.9	256.0	184.4	292	1880-1977DCT	23C	FIX		

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

Reconducted 387 line

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

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	470.5	256.3	256.0	183.8	288	1880-1977DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	464.7	251.6	256.0	181.5	288	1880-1977DCT	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	463.2	251.1	256.0	180.9	292	1880-1977DCT	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	457.3	246.6	256.0	178.6	288	1880-1977DCT	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	427.9	267.9	256.0	167.1	242	113091001DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	423.7	261.7	256.0	165.5	242	113091001DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	423.5	261.5	256.0	165.4	238	113091001DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	421.4	256.9	256.0	164.6	242	113091001DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	420.8	256.3	256.0	164.4	238	113091001DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	420.8	267.9	256.0	164.4	369	GLENBROOK3T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	418.5	251.6	256.0	163.5	238	113091001DCT	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.9	251.1	256.0	163.3	242	113091001DCT	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.7	267.9	256.0	163.2	146	1880LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.7	267.9	256.0	163.2	394	NORWLKHAR4T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.3	267.9	256.0	163.0	390	NORWALKST2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	416.1	246.6	256.0	162.5	238	113091001DCT	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	410.8	261.5	256.0	160.5	365	GLENBROOK3T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	410.4	261.7	256.0	160.3	369	GLENBROOK3T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	408.6	261.5	256.0	159.6	146	1880LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	408.6	261.5	256.0	159.6	390	NORWLKHAR4T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.8	261.5	256.0	159.3	386	NORWALKST2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.4	261.7	256.0	159.1	146	1880LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.4	261.7	256.0	159.1	394	NORWLKHAR4T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	406.1	261.7	256.0	158.6	390	NORWALKST2	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	403.4	256.9	256.0	157.6	369	GLENBROOK3T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	402.1	256.3	256.0	157.1	365	GLENBROOK3T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.7	256.9	256.0	156.9	146	1880LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.7	256.9	256.0	156.9	394	NORWLKHAR4T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	399.9	256.3	256.0	156.2	146	1880LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	399.9	256.3	256.0	156.2	390	NORWLKHAR4T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	399.8	256.9	256.0	156.2	390	NORWALKST2	23C	FIX	

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

Reconducted 387 line

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

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	398.5	267.9	256.0	155.7	291	1880-1890DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	398.2	256.3	256.0	155.5	386	NORWALKST2	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.9	251.6	256.0	154.3	365	GLENBROOK3T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.7	267.9	256.0	154.2	241	1130-1430DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.0	261.7	256.0	153.9	291	1880-1890DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.8	251.6	256.0	153.8	146	1880LINE	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.8	251.6	256.0	153.8	390	NORWLKHAR4T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.5	251.1	256.0	153.7	369	GLENBROOK3T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.3	261.5	256.0	153.6	287	1880-1890DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.8	251.1	256.0	153.1	146	1880LINE	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.8	251.1	256.0	153.1	394	NORWLKHAR4T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.9	267.9	256.0	153.1	256	1416-1890DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.3	251.6	256.0	152.9	386	NORWALKST2	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	390.8	261.7	256.0	152.7	241	1130-1430DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	390.6	261.5	256.0	152.6	237	1130-1430DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.9	251.1	256.0	151.9	390	NORWALKST2	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.7	256.3	256.0	151.8	287	1880-1890DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.6	256.9	256.0	151.8	241	1130-1430DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.0	256.3	256.0	151.6	237	1130-1430DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.1	261.7	256.0	151.6	256	1416-1890DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.1	256.9	256.0	151.6	291	1880-1890DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	387.7	261.5	256.0	151.5	252	1416-1890DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.3	246.6	256.0	150.9	365	GLENBROOK3T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.0	256.9	256.0	150.8	256	1416-1890DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.7	251.6	256.0	150.7	237	1130-1430DCT	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.4	256.3	256.0	150.5	252	1416-1890DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.4	251.1	256.0	150.5	241	1130-1430DCT	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.0	246.6	256.0	150.4	146	1880LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.0	246.6	256.0	150.4	390	NORWLKHAR4T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.6	246.6	256.0	149.9	237	1130-1430DCT	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.6	251.1	256.0	149.8	291	1880-1890DCT	15C	FIX	

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

Reconducted 387 line

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

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	383.6	251.6	256.0	149.8	287	1880-1890DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	383.1	251.6	256.0	149.7	252	1416-1890DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	382.8	251.1	256.0	149.5	256	1416-1890DCT	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	381.5	246.6	256.0	149.0	386	NORWALKST2	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	381.1	246.6	256.0	148.9	252	1416-1890DCT	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	379.1	246.6	256.0	148.1	287	1880-1890DCT	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	368.2	267.9	256.0	143.8	293	1890-1977DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	364.5	261.7	256.0	142.4	293	1890-1977DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	364.1	261.5	256.0	142.2	289	1890-1977DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	362.5	256.9	256.0	141.6	293	1890-1977DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	361.9	256.3	256.0	141.4	289	1890-1977DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	359.7	251.6	256.0	140.5	289	1890-1977DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	359.4	251.1	256.0	140.4	293	1890-1977DCT	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	357.7	246.6	256.0	139.7	289	1890-1977DCT	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	342.5	267.9	256.0	133.8	189	91001LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	337.1	261.7	256.0	131.7	189	91001LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	337.1	261.5	256.0	131.7	189	91001LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	333.7	256.9	256.0	130.4	189	91001LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	333.0	256.3	256.0	130.1	189	91001LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	329.5	251.6	256.0	128.7	189	91001LINE	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	328.8	251.1	256.0	128.4	189	91001LINE	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	325.5	246.6	256.0	127.1	189	91001LINE	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	322.1	267.9	256.0	125.8	18	1130LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	321.8	267.9	256.0	125.7	326	ASHCREKBKR	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	321.4	267.9	256.0	125.5	393	NORWLKHAR3T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	214.0	125.2		** Base Case	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	319.7	267.9	256.0	124.9	398	PEQUON12TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	316.6	261.7	256.0	123.7	18	1130LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	316.8	261.7	256.0	123.7	326	ASHCREKBKR	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	316.4	261.5	256.0	123.6	18	1130LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	316.5	261.5	256.0	123.6	322	ASHCREKBKR	18C	FIX

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

Reconducted 387 line

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

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	316.3	267.9	256.0	123.6	49	1430LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	313.5	261.7	256.0	122.5	393	NORWLKHAR3T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	313.7	261.7	256.0	122.5	398	PEQUONI2TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	313.3	261.5	256.0	122.4	389	NORWLKHAR3T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	313.3	261.5	256.0	122.4	394	PEQUONI2TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.7	261.7	214.0	122.3		** Base Case	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	313.1	256.9	256.0	122.3	326	ASHCREKBKR	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	214.0	122.2		** Base Case	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	312.7	267.9	256.0	122.2	19	1130+1416LNS	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	312.6	256.3	256.0	122.1	322	ASHCREKBKR	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	312.7	256.9	256.0	122.1	18	1130LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	312.1	256.3	256.0	121.9	18	1130LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	311.2	261.7	256.0	121.6	49	1430LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	311.2	267.9	256.0	121.6	408	SASCOCR1T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	311.1	261.5	256.0	121.5	49	1430LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	311.1	267.9	256.0	121.5	370	GLENBROOK8T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	310.5	267.9	256.0	121.3	148	1890LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	310.5	267.9	256.0	121.3	391	NORWLKHAR1T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	310.2	267.9	256.0	121.2	48	1416LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	309.2	256.9	256.0	120.8	398	PEQUONI2TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	308.9	251.6	256.0	120.7	322	ASHCREKBKR	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	308.4	256.3	256.0	120.5	394	PEQUONI2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	308.6	251.1	256.0	120.5	326	ASHCREKBKR	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	308.2	251.6	256.0	120.4	18	1130LINE	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	307.9	256.9	256.0	120.3	49	1430LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	307.7	251.1	256.0	120.2	18	1130LINE	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	307.4	261.7	256.0	120.1	19	1130+1416LNS	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	307.2	256.3	256.0	120.0	49	1430LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	307.1	261.5	256.0	120.0	19	1130+1416LNS	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	214.0	120.0		** Base Case	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	214.0	119.8		** Base Case	10C	FIX

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

Reconducted 387 line

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

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	261.7	256.0	119.6	408	SASCOCR1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.0	261.7	256.0	119.5	370	GLENBROOK8T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.0	261.5	256.0	119.5	404	SASCOCR1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.8	261.5	256.0	119.4	366	GLENBROOK8T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.3	246.6	256.0	119.3	322	ASHCREKBKR	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.4	261.7	256.0	119.3	148	1890LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.4	261.7	256.0	119.3	391	NORWLKHAR1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.2	256.3	256.0	119.2	389	NORWLKHAR3T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.3	261.5	256.0	119.2	148	1890LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.3	261.5	256.0	119.2	387	NORWLKHAR1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.8	261.7	256.0	119.1	48	1416LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.8	256.9	256.0	119.1	393	NORWLKHAR3T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.7	261.5	256.0	119.0	48	1416LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.0	246.6	256.0	118.8	18	1130LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.8	251.6	256.0	118.7	49	1430LINE	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.9	251.6	256.0	118.7	394	PEQUON12TSTK	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.7	251.1	256.0	118.6	398	PEQUON12TSTK	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.4	256.9	256.0	118.5	19	1130+1416LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.2	251.1	256.0	118.4	49	1430LINE	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.8	256.3	256.0	118.3	19	1130+1416LNS	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.9	256.9	256.0	118.3	408	SASCOCR1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.6	256.9	256.0	118.2	370	GLENBROOK8T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.2	256.9	256.0	118.1	148	1890LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.2	256.9	256.0	118.1	391	NORWLKHAR1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.0	256.3	256.0	118.0	366	GLENBROOK8T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.2	256.3	256.0	118.0	404	SASCOCR1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.5	256.3	256.0	117.8	148	1890LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.5	256.3	256.0	117.8	387	NORWLKHAR1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	251.6	251.6	214.0	117.6		** Base Case	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.1	256.9	256.0	117.6	48	1416LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.7	267.9	256.0	117.5	343	DARIEN1T	22C	FIX	

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

Reconductored 387 line

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

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	300.4	256.3	256.0	117.3	48	1416LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	251.1	251.1	214.0	117.3	**	Base Case	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.0	246.6	256.0	117.2	49	1430LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.1	246.6	256.0	116.9	394	PEQUON12TSTK	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.9	251.6	256.0	116.8	19	1130+1416LNS	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.9	251.6	256.0	116.7	404	SASCOCR1T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.5	251.1	256.0	116.6	19	1130+1416LNS	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.5	251.6	256.0	116.6	366	GLENBROOK8T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.3	251.1	256.0	116.5	408	SASCOCR1T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.1	251.6	256.0	116.5	148	1890LINE	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.1	251.6	256.0	116.5	387	NORWLKHAR1T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.0	251.1	256.0	116.4	370	GLENBROOK8T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.6	251.1	256.0	116.2	148	1890LINE	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.6	251.1	256.0	116.2	391	NORWLKHAR1T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.5	251.6	256.0	116.2	389	NORWLKHAR3T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.6	267.9	256.0	116.2	411	SOUTHEND6T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.9	267.9	256.0	116.0	154	1977LINENEW	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.7	251.1	256.0	115.9	393	NORWLKHAR3T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.7	251.6	256.0	115.9	48	1416LINE	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.1	251.1	256.0	115.7	48	1416LINE	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.5	261.7	256.0	115.4	343	DARIEN1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.1	246.6	256.0	115.3	404	SASCOCR1T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.1	261.5	256.0	115.3	339	DARIEN1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	246.6	246.6	214.0	115.2	**	Base Case	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.9	246.6	256.0	115.2	19	1130+1416LNS	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.8	246.6	256.0	115.2	366	GLENBROOK8T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.4	246.6	256.0	115.0	148	1890LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.4	246.6	256.0	115.0	387	NORWLKHAR1T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.5	246.6	256.0	114.3	48	1416LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.2	261.7	256.0	114.2	411	SOUTHEND6T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	291.9	261.5	256.0	114.0	407	SOUTHEND6T	18C	FIX	

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

Reconducted 387 line

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

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	291.6	261.7	256.0	113.9	154	1977LINENEW	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	291.3	261.5	256.0	113.8	154	1977LINENEW	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	291.4	256.9	256.0	113.8	343	DARIEN1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	291.0	256.3	256.0	113.7	339	DARIEN1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	289.3	246.6	256.0	113.0	389	NORWLKHAR3T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	288.3	256.9	256.0	112.6	411	SOUTHEND6T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.9	267.9	256.0	112.5	410	SOUTHEND5T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.7	256.3	256.0	112.4	407	SOUTHEND6T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.6	256.9	256.0	112.3	154	1977LINENEW	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.0	256.3	256.0	112.1	154	1977LINENEW	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.0	251.6	256.0	112.1	339	DARIEN1T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	286.7	251.1	256.0	112.0	343	DARIEN1T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.8	251.6	256.0	110.9	407	SOUTHEND6T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.4	251.1	256.0	110.7	411	SOUTHEND6T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.1	246.6	256.0	110.6	339	DARIEN1T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.2	251.6	256.0	110.6	154	1977LINENEW	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.7	261.7	256.0	110.4	192	312LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.7	261.7	256.0	110.4	193	312+393LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.7	261.7	256.0	110.4	194	312+393REAC	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.7	261.7	256.0	110.4	410	SOUTHEND5T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.6	261.7	256.0	110.4	455	NOMNTSTBKR	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.6	261.7	256.0	110.4	456	NMSTBKREAC	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.7	251.1	256.0	110.4	154	1977LINENEW	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.5	267.9	256.0	110.4	294	8100-8200DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.3	261.5	256.0	110.3	406	SOUTHEND5T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.4	267.9	256.0	110.3	473	SNGPEQ-XFR	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.0	251.6	256.0	109.8	220	387LINE	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.8	261.7	256.0	109.7	224	387LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.8	251.6	256.0	109.7	291	1460-387DCT	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.5	261.7	256.0	109.6	225	393LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.8	246.6	256.0	109.3	407	SOUTHEND6T	11C	FIX	

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

Reconducted 387 line

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

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	279.7	261.5	256.0	109.2	290	8100-8200DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	279.2	251.6	256.0	109.1	456	SCOVRR8TSTK	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	279.1	246.6	256.0	109.0	154	1977LINENEW	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	278.8	261.7	256.0	108.9	295	1460-387DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	278.8	256.9	256.0	108.9	410	SOUTHEND5T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	278.2	256.3	256.0	108.7	406	SOUTHEND5T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.9	256.9	256.0	108.6	224	387LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.8	267.9	256.0	108.5	224	387LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.8	267.9	256.0	108.5	355	DEVON24TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.6	261.7	256.0	108.4	460	SCOVRR8TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.5	261.5	256.0	108.4	220	387LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.0	261.5	256.0	108.2	291	1460-387DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.9	267.9	256.0	108.2	250	1310-1763DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	277.1	256.9	256.0	108.2	295	1460-387DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.7	267.9	256.0	108.1	295	1460-387DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.5	256.3	256.0	108.0	192	312LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.5	256.3	256.0	108.0	193	312+393LNS	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.5	256.3	256.0	108.0	194	312+393REAC	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.5	261.7	256.0	108.0	294	8100-8200DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.3	256.3	256.0	107.9	451	NOMNTSTBKR	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	276.3	256.3	256.0	107.9	452	NMSTBKREAC	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	275.4	261.7	256.0	107.6	473	SNGPEQ-XFR	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.7	256.3	256.0	107.3	290	8100-8200DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.7	261.5	256.0	107.3	469	SNGPEQ-XFR	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.4	256.3	256.0	107.2	221	393LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.5	261.5	256.0	107.2	456	SCOVRR8TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.4	251.6	256.0	107.2	406	SOUTHEND5T	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.5	267.9	256.0	107.2	263	1560-1570DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.4	256.9	256.0	107.2	460	SCOVRR8TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.2	267.9	256.0	107.1	425	STEVENSNSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	274.1	267.9	256.0	107.1	460	SCOVRR8TSTK	22C	FIX

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

Reconducted 387 line

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

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	274.0	251.1	256.0	107.0	410	SOUTHEND5T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.9	267.9	256.0	107.0	283	1770-1887DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.9	267.9	256.0	107.0	426	STONYHILL1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.7	267.9	256.0	106.9	243	1163-1550D-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.8	267.9	256.0	106.9	285	1800-1810DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.6	267.9	256.0	106.9	385	MIXAVE1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.8	267.9	256.0	106.9	421	SOTHNGTN24T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.7	267.9	256.0	106.9	424	SOTHNGTN28T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.7	267.9	256.0	106.9	430	TRIANGLE4T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.2	267.9	256.0	106.7	261	1505-1607DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.8	267.9	256.0	106.6	427	TRPFALLST1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.0	267.9	256.0	106.6	443	WOODMNT1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.8	267.9	256.0	106.2	264	1570-1575DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	267.9	256.0	106.2	329	BATESROCK1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	267.9	256.0	106.2	342	COLONY1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	267.9	256.0	106.2	405	QUINIPACST1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	267.9	256.0	106.2	474	DEV-XFR	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.6	267.9	256.0	106.1	286	1800-1825DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.7	267.9	256.0	106.1	475	ESHR-XFR	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.6	267.9	256.0	106.1	477	NEWDEV2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.5	261.7	256.0	106.0	355	DEVON24TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.4	267.9	256.0	106.0	249	1280-1870DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.3	267.9	256.0	106.0	378	GREENHLL2T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.3	267.9	256.0	106.0	407	SACKETST1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.9	256.0	105.9	59	1500LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.9	256.0	105.9	78	1605LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.9	256.0	105.9	248	1272-1721DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.0	267.9	256.0	105.9	251	1355-1610DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.0	267.9	256.0	105.9	340	BUNKERH2T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.0	267.9	256.0	105.9	414	SOTHNGTN13T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.0	267.9	256.0	105.9	429	TRIANGLE3T	22C	FIX	

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

Reconducted 387 line

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

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	270.9	267.9	256.0	105.8	60	1505LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.8	267.9	256.0	105.8	113	1760+1876LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.0	267.9	256.0	105.8	239	1100-1200DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.8	267.9	256.0	105.8	330	BECONFLSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.9	267.9	256.0	105.8	384	MLLRVR2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.7	261.7	256.0	105.7	250	1310-1763DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	261.5	256.0	105.7	246	1310-1763DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	267.9	256.0	105.7	253	1394-1515DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.6	267.9	256.0	105.7	383	MLLRVR1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.7	267.9	256.0	105.7	403	PLUMTREE28T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.7	267.9	256.0	105.7	418	SOTHNGTN20T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.4	246.6	256.0	105.6	406	SOUTHEND5T	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.4	267.9	256.0	105.6	42	1355LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.4	267.9	256.0	105.6	94	1690LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.9	256.0	105.6	119	1770LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.4	267.9	256.0	105.6	200	347LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.4	267.9	256.0	105.6	201	347LREAC	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.9	256.0	105.6	276	1670-1830DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.9	256.0	105.6	338	BROADWYST1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.6	375	GRNDV5TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.6	376	GRNDV6TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.6	382	JUNEST1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.9	256.0	105.6	402	PLUMTREE25T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.9	256.0	105.6	417	SOTHNGTN16T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.6	439	WBROOKFLD1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	261.5	256.0	105.5	351	DEVON24TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.9	256.0	105.5	176	88005ALINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.5	195	318LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.5	266	1575-1585DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.9	256.0	105.5	341	BUNKERH3T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.9	256.0	105.5	362	DEVSWST4TSTK	22C	FIX	

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

Reconducted 387 line

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

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	270.2	267.9	256.0	105.5	363	EMERIDEN1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.9	256.0	105.5	381	HAWTHORNST	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	246.6	256.0	105.4	224	398LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	246.6	256.0	105.4	225	398LREAC	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	36	1272+1445LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	52	1443+1759LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	126	1780LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	132	1790LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	137	1820LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	179	88006ALINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	188	89006BLINE-1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	268	1580-1585DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	281	1732-1788DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	287	1810-1825DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	412	SNAUGA1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	419	SOTHNGTN22T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	420	SOTHNGTN23T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.9	256.0	105.4	444	WOODMNT2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.9	256.0	105.4	462	SGTN3TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	246.6	256.0	105.3	220	387LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.9	256.0	105.3	2	100+400LINES	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.9	256.0	105.3	11	1050+1766LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.9	256.0	105.3	68	1560LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	73	1575LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	267	1575-1990DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	274	1668-1721DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	327	BAIRDASTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	339	BUNKERH1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	359	DEVSWST1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	361	DEVSWST3TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.9	256.0	105.3	366	FROSTBR15T	22C	FIX	

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

Reconducted 387 line

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

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	269.6	267.9	256.0	105.3	374	GRNDAV4TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.9	256.0	105.3	377	GRNDAV7TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.9	256.0	105.3	455	NOMNTSTBKR	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.9	256.0	105.3	456	NMSTBKREAC	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	267.9	256.0	105.2	14	1070+1490LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	21	1163+1910LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	267.9	256.0	105.2	29	1235LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	174	88003ALINE-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	182	89003BLINE-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	267.9	256.0	105.2	214	362LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	240	1100-1300DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	267.9	256.0	105.2	306	310-383DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	386	NOHAVN1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	423	SOTHNGTN26T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.9	256.0	105.2	463	SGTN4TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	256.9	256.0	105.2	473	SNGPEQ-XFR	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	251.1	256.0	105.1	455	NOMNTSTBKR	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	251.1	256.0	105.1	456	NMSTBKREAC	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	267.9	256.0	105.1	9	1000LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.9	256.0	105.1	67	1550+1950LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.9	256.0	105.1	165	8809ALINE-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.9	256.0	105.1	168	8909BLINE-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	267.9	256.0	105.1	233	1000-1090DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	267.9	256.0	105.1	360	DEVSWS2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.9	256.0	105.1	388	NWALLING1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	267.9	256.0	105.1	440	WRIVER1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.0	267.9	256.0	105.1	441	WRIVER2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	246.6	256.0	105.0	291	1460-387DCT	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	8	694LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	156	8100LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	157	8200LINE	22C	FIX	

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

Reconducted 387 line

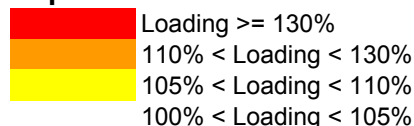
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	267.9	256.0	105.0	159	8400LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	267.9	256.0	105.0	172	88003ALINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.9	256.0	105.0	175	88003ALINE-3	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	267.9	256.0	105.0	180	89003BLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.9	256.0	105.0	183	89003BLINE-3	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.9	256.0	105.0	187	89006BLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	192	312LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	193	312+393LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	194	312+393REAC	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.9	256.0	105.0	364	ESHORE12TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	267.9	256.0	105.0	371	GRNDAV1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	267.9	256.0	105.0	373	GRNDAV3TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	256.9	256.0	105.0	355	DEVON24TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	256.3	256.0	104.9	469	SNGPEQ-XFR	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.9	256.0	104.9	3	400LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.9	256.0	104.9	32	1250LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.9	256.0	104.9	37	1280LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.9	256.0	104.9	80	1610LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.9	256.0	104.9	112	1760LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.9	256.0	104.9	205	352LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.9	256.0	104.9	324	ALLINGS1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.9	256.0	104.9	325	ALLINGS2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.9	256.0	104.9	328	BAIRDBSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	256.9	256.0	104.9	294	8100-8200DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	261.7	256.0	104.8	263	1560-1570DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.9	256.0	104.8	5	667-690LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.8	35	1272LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.8	53	1445LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	72	1572+1772LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	75	1585LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.9	256.0	104.8	79	1607LINE	22C	FIX	

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

Reconducted 387 line

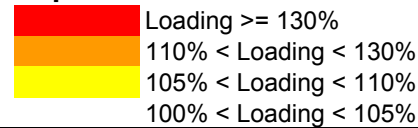


Sorted by branch and then by loading

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	267.9	256.0	104.8	97	1720LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	102	1730BLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	144	1870LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	191	310LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.9	256.0	104.8	236	1070-1080DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.8	258	1470-1565DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.9	256.0	104.8	269	1580-1730BDC	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.8	312	SOUTH1XAUTO	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.8	337	BRANFRDRR1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	350	DEVON8TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	351	DEVON10TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	358	DEVON27TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.9	256.0	104.8	372	GRNDAV2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.8	397	PEACEABLE1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.9	256.0	104.8	413	SOTHNGTN12T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	251.1	256.0	104.7	228	398LINE	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	251.1	256.0	104.7	229	398LREAC	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	13	1070LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	16	1090LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	23	1191LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	34	1270LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	40	1337LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	50	1440LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	51	1443LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	55	1460LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	63	1537LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	74	1580LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	77	1594LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	88	1640LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	90	1668LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	92	1675LINE	22C	FIX	

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

Reconducted 387 line

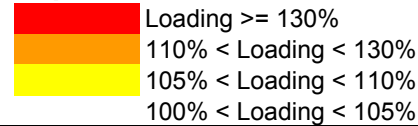


Sorted by branch and then by loading

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	268.0	267.9	256.0	104.7	93	1685LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	95	1704LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	98	1721LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	105	1740LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	109	1753LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	111	1759LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	115	1765LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	120	1771LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	129	1785LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	133	1792LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	147	1887LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	155	1990LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	158	8300LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	160	8500LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	162	8700LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	163	8804ALINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	166	8904BLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	170	9502LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	171	84004LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	173	88003ALINE-1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	181	89003BLINE-1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	222	383LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	275	1670-1771DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	352	DEVON11TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	368	FROSTBR27T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.9	256.0	104.7	415	SOTHNGTN14T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	416	SOTHNGTN15T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	428	TRIANGLE2T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.9	256.0	104.7	433	WALLING3TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.0	267.9	256.0	104.7	436	WATERST1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.7	437	WATERST2TSTK	22C	FIX	

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

Reconducted 387 line

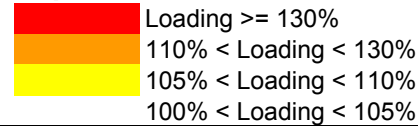


Sorted by branch and then by loading

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	267.9	256.0	104.7	465	SGTN6TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	261.7	256.0	104.6	285	1800-1810DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	261.7	256.0	104.6	421	SOTHNGTN24T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	261.7	256.0	104.6	430	TRIANGLE4T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	261.5	256.0	104.6	259	1560-1570DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	261.5	256.0	104.6	279	1770-1887DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	261.5	256.0	104.6	421	STEVENSNSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	261.5	256.0	104.6	422	STONYHILL1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	1	100LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	6	689LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	7	693LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	10	1050LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	12	1060LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	17	1100LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	20	1163LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	22	1165LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	24	1200LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	25	1206LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	26	1207LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	27	1208LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	33	1261LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	39	1310LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	46	1394LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	47	1410LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	54	1450LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	56	1466LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	58	1490LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	66	1550LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	71	1572LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	76	1588LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	82	1620SLINE	22C	FIX

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

Reconducted 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	267.8	267.9	256.0	104.6	83	1620LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	85	1625LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	89	1655LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	91	1670LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	107	1751LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.9	256.0	104.6	108	1752LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	110	1756LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	114	1763LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	116	1766LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	117	1767LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	118	1769LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	121	1772LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	123	1775LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.9	256.0	104.6	124	1777LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	125	1779LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.9	256.0	104.6	128	1784LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	130	1786LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	131	1788LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	134	1800-1860LNS	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	135	1810LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	139	1825LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	140	1830LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	141	1835LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	149	1900LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.9	256.0	104.6	150	1910LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.9	256.0	104.6	151	1921LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.9	256.0	104.6	152	1950LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	153	1975LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.9	256.0	104.6	161	8600LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	164	8809ALINE-1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.9	256.0	104.6	167	8909BLINE-1	22C	FIX	

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

Reconducted 387 line

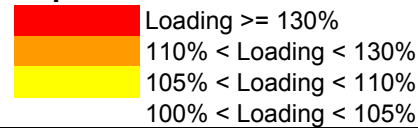
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Sorted by branch and then by loading

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	267.9	256.0	104.6	169	9500LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	190	301-302LNS	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	197	329LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	220	381LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	221	381LREAC	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	234	1060-1165DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	235	1060-1270DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	237	1080-1280DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	257	1440-1450DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	270	1620-1975DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	284	1777-1779DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	310	MANCHAUTO1	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	313	SOUTH2XAUTO	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	321	LOSSNHAV	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	322	LOSSNOR1	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	323	LOSSNOR2	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	335	BRANFORD2T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	336	BRANFORD4T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	347	DEVON4TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	353	DEVON12TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	379	HADDAMAT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	434	WALLING4TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	435	WALLING5TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.8	267.9	256.0	104.6	467	NORSING1	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.7	267.9	256.0	104.6	470	orang-eshr	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	472	SNG-PEQTAP	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.9	267.9	256.0	104.6	476	NEWDEV1	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	261.7	256.0	104.5	243	1163-1550D-2	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	261.7	256.0	104.5	283	1770-1887DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	261.7	256.0	104.5	385	MIXAVE1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	261.7	256.0	104.5	424	SOTHNGTN28T	14C	FIX

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

Reconducted 387 line

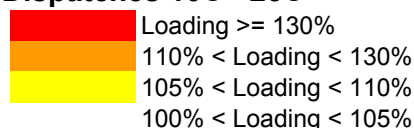


Sorted by branch and then by loading

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	267.4	261.7	256.0	104.5	425	STEVENSNSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	261.7	256.0	104.5	426	STONYHILL1T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	251.1	256.0	104.5	192	312LINE	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	251.1	256.0	104.5	193	312+393LNS	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	251.1	256.0	104.5	194	312+393REAC	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	261.5	256.0	104.5	426	TRIANGLE4T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	267.9	256.0	104.5	61	1508LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	267.9	256.0	104.5	62	1515LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	70	1570LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	267.9	256.0	104.5	122	1773LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	267.9	256.0	104.5	127	1783LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	138	1821LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	142	1836LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	145	1876LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	267.9	256.0	104.5	244	1207-1775DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	267.9	256.0	104.5	265	1570-1580DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	282	1751-1777DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	349	DEVON7TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.5	267.9	256.0	104.5	367	FROSTBR21T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	267.9	256.0	104.5	406	ROCKRIVER1T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	267.9	256.0	104.5	422	SOTHNGTN25T	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	267.9	256.0	104.5	432	WALLING2TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.6	267.9	256.0	104.5	464	SGTN5TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	261.7	256.0	104.4	443	WOODMNT1TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.3	261.5	256.0	104.4	239	1163-1550D-2	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	261.5	256.0	104.4	281	1800-1810DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.3	261.5	256.0	104.4	381	MIXAVE1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.4	261.5	256.0	104.4	417	SOTHNGTN24T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.3	261.5	256.0	104.4	420	SOTHNGTN28T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.3	267.9	256.0	104.4	4	500LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	267.2	267.9	256.0	104.4	41	1342LINE	22C	FIX

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

Reconducted 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	267.2	267.9	256.0	104.4	100	1726LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.9	256.0	104.4	104	1732LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.9	256.0	104.4	177	88005ALINE-1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.9	256.0	104.4	184	89005BLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.9	256.0	104.4	185	89005BLINE-1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.9	256.0	104.4	225	393LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.9	256.0	104.4	245	1208-1640DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.9	256.0	104.4	332	BOKUM2T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.9	256.0	104.4	333	BOKUM3T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.9	256.0	104.4	334	BRANFORD1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.9	256.0	104.4	442	WESTON1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.9	256.0	104.4	468	SINGDEV1	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.9	256.0	104.4	469	SINGERSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	261.7	256.0	104.3	261	1505-1607DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	267.9	256.0	104.3	15	1080LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	267.9	256.0	104.3	64	1545LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	267.9	256.0	104.3	86	1630LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	267.9	256.0	104.3	238	1080-1490DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.9	256.0	104.3	305	310-368DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	267.9	256.0	104.3	387	NOHAVN2TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	267.9	256.0	104.3	401	PEQUON42TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.0	267.9	256.0	104.3	431	WALLING1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	261.5	256.0	104.2	257	1505-1607DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.9	256.0	104.2	81	1618LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.9	256.0	104.2	178	88005ALINE-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.9	256.0	104.2	186	89005BLINE-2	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.9	256.0	104.2	216	368LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.9	256.0	104.2	247	1261-1620DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.9	256.0	104.2	331	BOKUM1T	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.9	256.0	104.2	380	HADDAMBT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	246.6	256.0	104.1	456	SCOVKR8TSTK	11C	FIX	

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

Reconducted 387 line

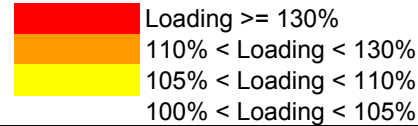
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	105% < Loading < 110%
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Sorted by branch and then by loading

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	266.6	261.7	256.0	104.1	427	TRPFALLST1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.6	251.6	256.0	104.1	290	8100-8200DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.4	267.9	256.0	104.1	65	1545+SPS	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.5	267.9	256.0	104.1	219	376LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.2	267.9	256.0	104.0	31	1238+1813LNS	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.2	267.9	256.0	104.0	38	1300LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.2	267.9	256.0	104.0	43	ONE1385	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.3	267.9	256.0	104.0	466	SGTN7TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.1	261.5	256.0	103.9	423	TRPFALLST1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.1	267.9	256.0	103.9	103	1730CLINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	266.1	267.9	256.0	103.9	400	PEQUON32TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.9	256.9	256.0	103.9	250	1310-1763DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.7	261.7	256.0	103.8	264	1570-1575DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.7	261.7	256.0	103.8	342	COLONY1T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.8	261.7	256.0	103.8	405	QUINIPACST1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	251.1	256.0	103.8	224	387LINE	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.7	261.5	256.0	103.8	325	BATESROCK1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	261.5	256.0	103.8	401	QUINIPACST1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.7	261.5	256.0	103.8	439	WOODMNT1TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	267.9	256.0	103.8	99	1722LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.7	267.9	256.0	103.8	206	352+AUTO	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	267.9	256.0	103.8	272	1622-1887DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.7	267.9	256.0	103.8	307	329-352DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	267.9	256.0	103.8	309	371-383DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.8	267.9	256.0	103.8	354	DEVON23TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.8	267.9	256.0	103.8	356	DEVON25TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	267.9	256.0	103.8	409	SHEPAUG13A	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	261.7	256.0	103.7	286	1800-1825DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.6	261.7	256.0	103.7	329	BATESROCK1T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.4	261.7	256.0	103.7	474	DEV-XFR	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.5	261.7	256.0	103.7	475	ESHR-XFR	14C	FIX

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

Reconducted 387 line

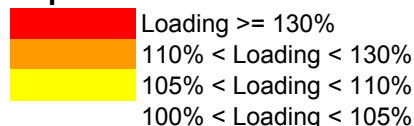


Sorted by branch and then by loading

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	265.4	261.5	256.0	103.7	260	1570-1575DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.5	261.5	256.0	103.7	338	COLONY1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.5	267.9	256.0	103.7	84	1622LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.5	267.9	256.0	103.7	136	1813LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.5	267.9	256.0	103.7	304	310-348DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.3	256.3	256.0	103.6	220	387LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.3	256.3	256.0	103.6	246	1310-1763DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.2	261.7	256.0	103.6	407	SACKETST1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.1	261.7	256.0	103.6	429	TRIANGLE3T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.1	261.7	256.0	103.6	477	NEWDEV2	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.1	251.1	256.0	103.6	225	393LINE	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.3	261.5	256.0	103.6	282	1800-1825DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.2	261.5	256.0	103.6	403	SACKETST1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.2	261.5	256.0	103.6	425	TRIANGLE3T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.2	267.9	256.0	103.6	204	348+AUTO	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.2	267.9	256.0	103.6	273	1637-1720DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.0	256.3	256.0	103.5	351	DEVON24TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	59	1500LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	78	1605LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	205	352LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	248	1272-1721DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.0	261.7	256.0	103.5	249	1280-1870DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	251	1355-1610DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	378	GREENHLL2T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.7	256.0	103.5	414	SOTHNGTN13T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.0	261.5	256.0	103.5	245	1280-1870DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	261.5	256.0	103.5	374	GREENHLL2T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.1	251.6	256.0	103.5	454	SCOVRR5TSTK	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.0	267.9	256.0	103.5	30	1238LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	265.0	267.9	256.0	103.5	87	1637LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.9	267.9	256.0	103.5	203	348LINE	22C	FIX

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

Reconducted 387 line

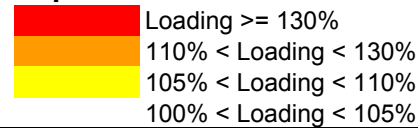


Sorted by branch and then by loading

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	264.8	267.9	256.0	103.5	271	1975-348DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.0	267.9	256.0	103.5	461	SGTN1TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.7	256.0	103.4	60	1505LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.7	256.0	103.4	195	318LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.7	256.0	103.4	239	1100-1200DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261.7	256.0	103.4	330	BECONFLSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.7	256.0	103.4	340	BUNKERH2T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.7	256.0	103.4	384	MLLRVR2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261.7	256.0	103.4	462	SGTN3TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261.5	256.0	103.4	59	1500LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261.5	256.0	103.4	78	1605LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261.5	256.0	103.4	176	88005ALINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261.5	256.0	103.4	235	1100-1200DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261.5	256.0	103.4	247	1355-1610DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261.5	256.0	103.4	358	DEVSWST4TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.5	256.0	103.4	371	GRNDV5TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261.5	256.0	103.4	372	GRNDV6TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261.5	256.0	103.4	380	MLLRVR2TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261.5	256.0	103.4	410	SOTHNGTN13T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261.5	256.0	103.4	470	DEV-XFR	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	267.9	256.0	103.4	217	371LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	267.9	256.0	103.4	218	371+AUTO	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	267.9	256.0	103.4	262	1545-1570DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	267.9	256.0	103.4	299	1759-353NDCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	267.9	256.0	103.4	308	362-376DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	267.9	256.0	103.4	348	DEVON6TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	256.3	256.0	103.3	291	1460-387DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.7	256.0	103.3	176	88005ALINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.7	256.0	103.3	253	1394-1515DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.7	256.0	103.3	362	DEVSWST4TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.7	256.0	103.3	383	MLLRVR1TSTK	14C	FIX	

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

Reconducted 387 line

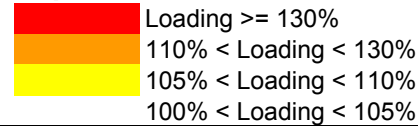


Sorted by branch and then by loading

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	261.7	256.0	103.3	418	SOTHNGTN20T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.7	256.0	103.3	463	SGTN4TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	251.1	256.0	103.3	295	1460-387DCT	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	261.5	256.0	103.3	60	1505LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	261.5	256.0	103.3	113	1760+1876LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.5	256.0	103.3	326	BECONFLSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.5	256.0	103.3	379	MLLRVRI1TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261.5	256.0	103.3	399	PLUMTREE28T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	267.9	256.0	103.3	357	DEVON26TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	261.7	256.0	103.2	42	1355LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	261.7	256.0	103.2	94	1690LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.7	256.0	103.2	276	1670-1830DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.7	256.0	103.2	338	BROADWYST1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	261.7	256.0	103.2	363	EMERIDEN1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.7	256.0	103.2	375	GRNDV5TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.7	256.0	103.2	376	GRNDV6TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	261.7	256.0	103.2	382	JUNEST1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.7	256.0	103.2	417	SOTHNGTN16T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.5	256.0	103.2	244	1272-1721DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.5	256.0	103.2	249	1394-1515DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.5	256.0	103.2	336	BUNKERH2T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.5	256.0	103.2	355	DEVSWST1TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.5	256.0	103.2	357	DEVSWST3TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	261.5	256.0	103.2	414	SOTHNGTN20T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261.5	256.0	103.2	473	NEWDEV2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	267.9	256.0	103.2	311	PLUMAUT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	267.9	256.0	103.2	314	LOSSBPT3	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	267.9	256.0	103.2	315	LOSSDEV7	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.0	261.7	256.0	103.1	113	1760+1876LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	261.7	256.0	103.1	119	1770LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	261.7	256.0	103.1	179	88006ALINE	14C	FIX	

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

Reconducted 387 line

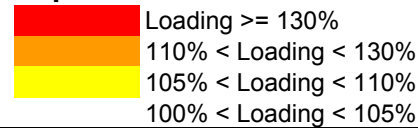


Sorted by branch and then by loading

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	263.9	261.7	256.0	103.1	188	89006BLINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.7	256.0	103.1	266	1575-1585DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.7	256.0	103.1	341	BUNKERH3T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.7	256.0	103.1	359	DEVSWS1TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.7	256.0	103.1	361	DEVSWS3TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.7	256.0	103.1	402	PLUMTREE25T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.7	256.0	103.1	403	PLUMTREE28T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.8	261.7	256.0	103.1	439	WBROOKFLD1T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.7	256.0	103.1	444	WOODMNT2TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	42	1355LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	94	1690LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	119	1770LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	200	347LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	201	347LREAC	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	272	1670-1830DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.5	256.0	103.1	334	BROADWYST1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.5	256.0	103.1	370	GRNDV4TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.5	256.0	103.1	373	GRNDV7TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.9	261.5	256.0	103.1	378	JUNEST1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.1	261.5	256.0	103.1	398	PLUMTREE25T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	413	SOTHNGTN16T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	261.5	256.0	103.1	435	WBROOKFLD1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	264.0	267.9	256.0	103.1	448	CARD2TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.7	261.7	256.0	103.0	36	1272+1445LNS	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.6	261.7	256.0	103.0	52	1443+1759LNS	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.7	261.7	256.0	103.0	126	1780LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.7	261.7	256.0	103.0	132	1790LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.8	261.7	256.0	103.0	137	1820LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.8	261.7	256.0	103.0	268	1580-1585DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.7	261.7	256.0	103.0	287	1810-1825DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.8	261.7	256.0	103.0	327	BAIRDASTK	14C	FIX

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

Reconducted 387 line

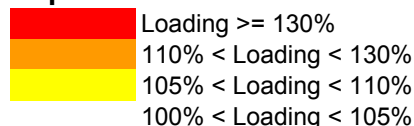


Sorted by branch and then by loading

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	261.7	256.0	103.0	374	GRNDAV4TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	261.7	256.0	103.0	377	GRNDAV7TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.7	256.0	103.0	381	HAWTHORNST	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261.7	256.0	103.0	412	SNAUGA1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.7	256.0	103.0	419	SOTHNGTN22T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	261.7	256.0	103.0	420	SOTHNGTN23T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.5	256.0	103.0	174	88003ALINE-2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261.5	256.0	103.0	179	88006ALINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.5	256.0	103.0	182	89003BLINE-2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261.5	256.0	103.0	188	89006BLINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	261.5	256.0	103.0	262	1575-1585DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.5	256.0	103.0	323	BAIRDASTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.5	256.0	103.0	337	BUNKERH3T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261.5	256.0	103.0	356	DEVSWST2TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261.5	256.0	103.0	359	EMERIDEN1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261.5	256.0	103.0	377	HAWTHORNST	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261.7	256.0	102.9	2	100+400LINES	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	261.7	256.0	102.9	11	1050+1766LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.7	256.0	102.9	73	1575LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261.7	256.0	102.9	174	88003ALINE-2	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261.7	256.0	102.9	182	89003BLINE-2	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261.7	256.0	102.9	214	362LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.7	256.0	102.9	274	1668-1721DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.7	256.0	102.9	281	1732-1788DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.7	256.0	102.9	339	BUNKERH1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.7	256.0	102.9	360	DEVSWST2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.5	256.0	102.9	36	1272+1445LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261.5	256.0	102.9	52	1443+1759LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.5	256.0	102.9	137	1820LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261.5	256.0	102.9	264	1580-1585DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261.5	256.0	102.9	277	1732-1788DCT	18C	FIX	

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

Reconducted 387 line

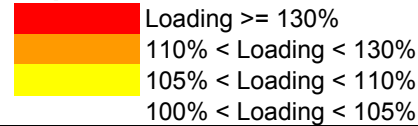


Sorted by branch and then by loading

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	263.5	261.5	256.0	102.9	283	1810-1825DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.4	261.5	256.0	102.9	382	NOHAVN1TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.5	261.5	256.0	102.9	408	SNAUGA1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.4	261.5	256.0	102.9	415	SOTHNGTN22T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.5	261.5	256.0	102.9	416	SOTHNGTN23T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	261.5	256.0	102.9	471	ESHR-XFR	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	267.9	256.0	102.9	454	MONTVSTBKR	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.4	256.9	256.0	102.9	200	347LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.4	256.9	256.0	102.9	201	347LREAC	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.4	256.9	256.0	102.9	283	1770-1887DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.4	256.9	256.0	102.9	426	STONYHILL1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	246.6	256.0	102.8	451	NOMNTSTBKR	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	246.6	256.0	102.8	452	NMSTBKREAC	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	261.7	256.0	102.8	14	1070+1490LNS	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	21	1163+1910LNS	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	261.7	256.0	102.8	29	1235LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	261.7	256.0	102.8	68	1560LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	165	8809ALINE-2	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	168	8909BLINE-2	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	261.7	256.0	102.8	240	1100-1300DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	258	1470-1565DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	267	1575-1990DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	366	FROSTBR15T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.3	261.7	256.0	102.8	386	NOHAVN1TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	397	PEACEABLE1T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.2	261.7	256.0	102.8	423	SOTHNGTN26T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	261.7	256.0	102.8	440	WRIVER1TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	261.7	256.0	102.8	441	WRIVER2TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	251.1	256.0	102.8	355	DEVON24TSTK	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	261.5	256.0	102.8	2	100+400LINES	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	263.1	261.5	256.0	102.8	11	1050+1766LNS	18C	FIX

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

Reconducted 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	263.1	261.5	256.0	102.8	21	1163+1910LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	73	1575LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	126	1780LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	132	1790LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261.5	256.0	102.8	165	8809ALINE-2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261.5	256.0	102.8	168	8909BLINE-2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261.5	256.0	102.8	172	88003ALINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261.5	256.0	102.8	180	89003BLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	187	89006BLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	263	1575-1990DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	270	1668-1721DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261.5	256.0	102.8	324	BAIRDBSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	335	BUNKERH1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	362	FROSTBR15T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261.5	256.0	102.8	419	SOTHNGTN26T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	436	WRIVER1TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261.5	256.0	102.8	437	WRIVER2TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	267.9	256.0	102.8	207	353NLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	267.9	256.0	102.8	215	364+AUTO	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261.7	256.0	102.7	9	1000LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261.7	256.0	102.7	67	1550+1950LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.7	256.0	102.7	172	88003ALINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.7	256.0	102.7	180	89003BLINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.7	256.0	102.7	187	89006BLINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261.7	256.0	102.7	233	1000-1090DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261.7	256.0	102.7	328	BAIRDBSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.7	256.0	102.7	388	NWALLING1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261.5	256.0	102.7	14	1070+1490LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261.5	256.0	102.7	29	1235LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.5	256.0	102.7	175	88003ALINE-3	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.5	256.0	102.7	183	89003BLINE-3	18C	FIX	

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

Reconducted 387 line

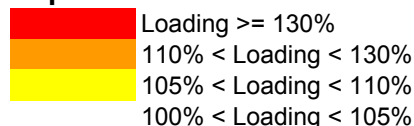
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	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	261.5	256.0	102.7	195	318LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.0	261.5	256.0	102.7	236	1100-1300DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261.5	256.0	102.7	254	1470-1565DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261.5	256.0	102.7	302	310-383DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261.5	256.0	102.7	393	PEACEABLE1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	251.6	256.0	102.7	469	SNGPEQ-XFR	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	267.9	256.0	102.7	212	353N+AUTO	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	256.9	256.0	102.7	425	STEVENSNSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	256.9	256.0	102.7	430	TRIANGLE4T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	256.9	256.0	102.7	477	NEWDEV2	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261.7	256.0	102.6	8	694LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.7	256.0	102.6	156	8100LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.7	256.0	102.6	157	8200LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.7	256.0	102.6	159	8400LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261.7	256.0	102.6	175	88003ALINE-3	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261.7	256.0	102.6	183	89003BLINE-3	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.7	256.0	102.6	324	ALLINGS1TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.7	256.0	102.6	325	ALLINGS2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.7	256.0	102.6	364	ESHORE12TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261.7	256.0	102.6	371	GRNDAV1TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261.7	256.0	102.6	373	GRNDAV3TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	251.1	256.0	102.6	294	8100-8200DCT	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	251.1	256.0	102.6	473	SNGPEQ-XFR	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261.5	256.0	102.6	9	1000LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261.5	256.0	102.6	67	1550+1950LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261.5	256.0	102.6	68	1560LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.5	256.0	102.6	156	8100LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.5	256.0	102.6	157	8200LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.5	256.0	102.6	159	8400LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.5	256.0	102.6	210	362LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	261.5	256.0	102.6	229	1000-1090DCT	18C	FIX	

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

Reconducted 387 line

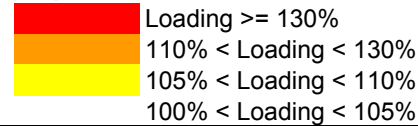


Sorted by branch and then by loading

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	261.5	256.0	102.6	320	ALLINGS1TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.6	261.5	256.0	102.6	321	ALLINGS2TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.6	261.5	256.0	102.6	367	GRNDAV1TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.7	261.5	256.0	102.6	369	GRNDAV3TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.8	261.5	256.0	102.6	384	NWALLING1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.7	261.5	256.0	102.6	458	SGTN3TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.7	261.5	256.0	102.6	459	SGTN4TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.6	251.6	256.0	102.6	351	DEVON24TSTK	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.7	267.9	256.0	102.6	300	1767-353NDCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.8	256.9	256.0	102.6	243	1163-1550D-2	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.8	256.9	256.0	102.6	285	1800-1810DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.8	256.9	256.0	102.6	421	SOTHNGTN24T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.8	256.9	256.0	102.6	424	SOTHNGTN28T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.5	256.3	256.0	102.5	259	1560-1570DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.4	256.3	256.0	102.5	279	1770-1887DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.4	256.3	256.0	102.5	422	STONYHILL1T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	256.3	256.0	102.5	426	TRIANGLE4T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.5	261.7	256.0	102.5	3	400LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.5	261.7	256.0	102.5	32	1250LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.4	261.7	256.0	102.5	80	1610LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	261.7	256.0	102.5	358	DEVON27TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	261.7	256.0	102.5	413	SOTHNGTN12T	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.4	261.5	256.0	102.5	8	694LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	261.5	256.0	102.5	32	1250LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.4	261.5	256.0	102.5	163	8804ALINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.4	261.5	256.0	102.5	166	8904BLINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	261.5	256.0	102.5	451	NOMNTSTBKR	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	261.5	256.0	102.5	452	NMSTBKREAC	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.3	256.9	256.0	102.5	458	SCOVVR5TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.1	256.3	256.0	102.4	239	1163-1550D-2	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.2	256.3	256.0	102.4	281	1800-1810DCT	10C	FIX

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

Reconducted 387 line

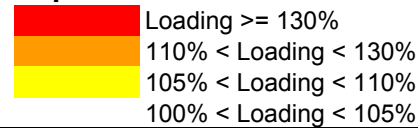


Sorted by branch and then by loading

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	256.3	256.0	102.4	381	MIXAVE1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	256.3	256.0	102.4	417	SOTHNGTN24T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	256.3	256.0	102.4	420	SOTHNGTN28T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	246.6	256.0	102.4	192	312LINE	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	246.6	256.0	102.4	193	312+393LNS	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	246.6	256.0	102.4	194	312+393REAC	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	5	667-690LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261.7	256.0	102.4	37	1280LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	53	1445LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	72	1572+1772LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	75	1585LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	79	1607LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	88	1640LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	102	1730BLINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	163	8804ALINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	166	8904BLINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	191	310LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	220	381LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	221	381LREAC	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	236	1070-1080DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	269	1580-1730BDC	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	350	DEVON8TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	351	DEVON10TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261.7	256.0	102.4	372	GRNDAV2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.7	256.0	102.4	433	WALLING3TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261.5	256.0	102.4	3	400LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261.5	256.0	102.4	37	1280LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.5	256.0	102.4	80	1610LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.5	256.0	102.4	112	1760LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261.5	256.0	102.4	171	84004LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	256.9	256.0	102.4	261	1505-1607DCT	23C	FIX	

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

Reconducted 387 line

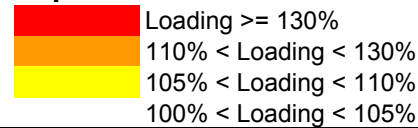


Sorted by branch and then by loading

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	262.2	256.9	256.0	102.4	385	MIXAVE1	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.0	256.3	256.0	102.3	421	STEVENSNSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	12	1060LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	13	1070LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	16	1090LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	34	1270LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.0	261.7	256.0	102.3	35	1272LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	40	1337LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	50	1440LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	51	1443LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	74	1580LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	77	1594LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	90	1668LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	92	1675LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	93	1685LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	98	1721LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	105	1740LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	109	1753LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	111	1759LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	133	1792LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	144	1870LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	158	8300LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	160	8500LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	162	8700LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.0	261.7	256.0	102.3	164	8809ALINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	262.0	261.7	256.0	102.3	167	8909BLINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	170	9502LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	171	84004LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	173	88003ALINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.9	261.7	256.0	102.3	181	89003BLINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.7	256.0	102.3	197	329LINE	14C	FIX

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

Reconducted 387 line

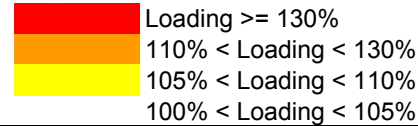


Sorted by branch and then by loading

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	261.8	261.7	256.0	102.3	235	1060-1270DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.7	256.0	102.3	306	310-383DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.7	256.0	102.3	312	SOUTH1XAUTO	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.7	256.0	102.3	337	BRANFRDRR1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.7	256.0	102.3	352	DEVON11TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.7	256.0	102.3	415	SOTHNGTN14T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.7	256.0	102.3	428	TRIANGLE2T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.7	256.0	102.3	436	WATERST1TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.7	256.0	102.3	437	WATERST2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.7	256.0	102.3	465	SGTN6TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.5	256.0	102.3	5	667-690LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.5	256.0	102.3	72	1572+1772LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.5	256.0	102.3	75	1585LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.5	256.0	102.3	79	1607LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	102	1730BLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	144	1870LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	147	1887LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.5	256.0	102.3	158	8300LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	164	8809ALINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.5	256.0	102.3	167	8909BLINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	191	310LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	205	352LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.5	256.0	102.3	232	1070-1080DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	265	1580-1730BDC	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	261.5	256.0	102.3	333	BRANFRDRR1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	346	DEVON8TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	347	DEVON10TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.5	256.0	102.3	354	DEVON27TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	368	GRNDAV2TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	409	SOTHNGTN12T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261.5	256.0	102.3	440	WOODMNT2TSTK	18C	FIX	

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

Reconducted 387 line

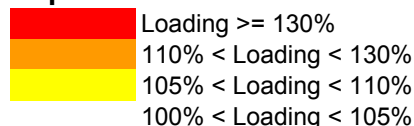


Sorted by branch and then by loading

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	261.9	261.5	256.0	102.3	454	SCOVRR5TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.0	256.9	256.0	102.3	263	1560-1570DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	256.3	256.0	102.2	257	1505-1607DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	246.6	256.0	102.2	290	8100-8200DCT	11C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	1	100LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	6	689LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	7	693LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	10	1050LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	17	1100LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	20	1163LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	22	1165LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	23	1191LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	24	1200LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	25	1206LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	26	1207LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	27	1208LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	33	1261LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	39	1310LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	46	1394LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	47	1410LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	54	1450LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	55	1460LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	56	1466LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	58	1490LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	63	1537LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	66	1550LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	71	1572LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	76	1588LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	82	1620SLINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	83	1620NLINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	85	1625LINE	14C	FIX	

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

Reconducted 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	261.7	261.7	256.0	102.2	89	1655LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	91	1670LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	95	1704LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	97	1720LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	107	1751LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	110	1756LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	112	1760LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	114	1763LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261.7	256.0	102.2	115	1765LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	116	1766LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	117	1767LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	118	1769LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	120	1771LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	121	1772LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	123	1775LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	124	1777LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	125	1779LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	129	1785LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	130	1786LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	131	1788LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	134	1800-1860LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	135	1810LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	139	1825LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	140	1830LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	141	1835LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	147	1887LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	149	1900LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	151	1921LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	153	1975LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	155	1990LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	169	9500LINE	14C	FIX	

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

Reconducted 387 line

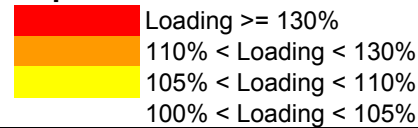
Loading >= 130%
 110% < Loading < 130%
 105% < Loading < 110%
 100% < Loading < 105%

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	261.5	261.7	256.0	102.2	234	1060-1165DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	257	1440-1450DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	270	1620-1975DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	275	1670-1771DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	284	1777-1779DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	310	MANCHAUTO1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	313	SOUTH2XAUTO	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	321	LOSSNHAV	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	322	LOSSNOR1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	323	LOSSNOR2	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	335	BRANFORD2T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	336	BRANFORD4T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	347	DEVON4TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	353	DEVON12TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.7	256.0	102.2	368	FROSTBR27T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	379	HADDAMAT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	401	PEQUON42TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	416	SOTHNGTN15T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	432	WALLING2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	434	WALLING4TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.2	435	WALLING5TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	472	SNG-PEQTAP	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.7	256.0	102.2	476	NEWDEV1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	13	1070LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	16	1090LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	23	1191LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	27	1208LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.5	256.0	102.2	35	1272LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	50	1440LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	51	1443LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.5	256.0	102.2	53	1445LINE	18C	FIX	

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

Reconducted 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	261.7	261.5	256.0	102.2	55	1460LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.5	256.0	102.2	63	1537LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	74	1580LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	77	1594LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.5	256.0	102.2	88	1640LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	90	1668LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	91	1670LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	92	1675LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	93	1685LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	97	1720LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	98	1721LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	105	1740LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	109	1753LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	111	1759LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	115	1765LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	120	1771LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	129	1785LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	133	1792LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	149	1900LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.5	256.0	102.2	155	1990LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	160	8500LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	162	8700LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.2	170	9502LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	173	88003ALINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	177	88005ALINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	181	89003BLINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	185	89005BLINE-1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	192	312LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	193	312+393LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261.5	256.0	102.2	194	312+393REAC	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261.5	256.0	102.2	218	383LINE	18C	FIX	

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

Reconducted 387 line

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

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	261.7	261.5	256.0	102.2	271	1670-1771DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.5	256.0	102.2	308	SOUTH1XAUTO	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.7	261.5	256.0	102.2	331	BRANFORD2T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.6	261.5	256.0	102.2	332	BRANFORD4T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.2	348	DEVON11TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.7	261.5	256.0	102.2	364	FROSTBR27T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.8	261.5	256.0	102.2	411	SOTHNGTN14T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.7	261.5	256.0	102.2	412	SOTHNGTN15T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.7	261.5	256.0	102.2	429	WALLING3TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.2	430	WALLING4TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.2	431	WALLING5TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.2	432	WATERST1TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.2	433	WATERST2TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	62	1515LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	70	1570LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.7	256.0	102.1	108	1752LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	127	1783LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	128	1784LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.7	256.0	102.1	150	1910LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.7	256.0	102.1	152	1950LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.7	256.0	102.1	161	8600LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	177	88005ALINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	184	89005BLINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	185	89005BLINE-1	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	206	352+AUTO	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	237	1080-1280DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	244	1207-1775DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	265	1570-1580DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	307	329-352DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.7	256.0	102.1	349	DEVON7TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.7	256.0	102.1	422	SOTHNGTN25T	14C	FIX

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

Reconducted 387 line

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

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	261.5	261.7	256.0	102.1	464	SGTN5STK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.7	256.0	102.1	470	orang-eshr	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	1	100LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	6	689LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	7	693LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	12	1060LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	17	1100LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	20	1163LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	22	1165LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	24	1200LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	25	1206LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	26	1207LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	33	1261LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	34	1270LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	39	1310LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	40	1337LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	46	1394LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	47	1410LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	54	1450LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	56	1466LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	58	1490LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	61	1508LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	66	1550LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	71	1572LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	76	1588LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	82	1620SLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	83	1620NLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	85	1625LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	89	1655LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	95	1704LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	107	1751LINE	18C	FIX	

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

Reconducted 387 line

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

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	261.4	261.5	256.0	102.1	108	1752LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	110	1756LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	114	1763LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	116	1766LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	117	1767LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	118	1769LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	121	1772LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	123	1775LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	124	1777LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	125	1779LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	128	1784LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	130	1786LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	131	1788LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	134	1800-1860LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	135	1810LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	139	1825LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	140	1830LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	141	1835LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	150	1910LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	151	1921LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	152	1950LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	153	1975LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	161	8600LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	169	9500LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	184	89005BLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	190	301-302LNS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	216	381LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261.5	256.0	102.1	217	381LREAC	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	230	1060-1165DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261.5	256.0	102.1	231	1060-1270DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261.5	256.0	102.1	233	1080-1280DCT	18C	FIX	

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

Reconducted 387 line

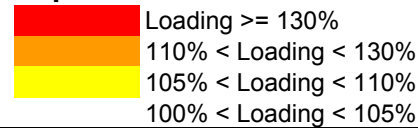
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	261.5	261.5	256.0	102.1	253	1440-1450DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.5	256.0	102.1	266	1620-1975DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.5	256.0	102.1	280	1777-1779DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.5	256.0	102.1	306	MANCHAUTO1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.5	256.0	102.1	309	SOUTH2XAUTO	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	318	LOSSNOR1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	319	LOSSNOR2	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	343	DEVON4TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	349	DEVON12TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.5	256.0	102.1	375	HADDAMAT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.5	256.0	102.1	424	TRIANGLE2T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	261.5	256.0	102.1	428	WALLING2TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	461	SGTN6TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.3	261.5	256.0	102.1	466	orang-eshr	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	468	SNG-PEQTAP	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.5	261.5	256.0	102.1	472	NEWDEV1	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	267.9	256.0	102.1	57	1470LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	267.9	256.0	102.1	260	1470-1720DCT	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	267.9	256.0	102.1	389	NORWALKST1	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.4	256.9	256.0	102.1	329	BATESROCK1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.2	256.3	256.0	102.0	439	WOODMNT1TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.1	256.3	256.0	102.0	456	SCOVK8TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.1	261.7	256.0	102.0	4	500LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.2	261.7	256.0	102.0	61	1508LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.0	261.7	256.0	102.0	104	1732LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.2	261.7	256.0	102.0	122	1773LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.1	261.7	256.0	102.0	138	1821LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.1	261.7	256.0	102.0	142	1836LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.2	261.7	256.0	102.0	245	1208-1640DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.2	261.7	256.0	102.0	282	1751-1777DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	261.1	261.7	256.0	102.0	334	BRANFORD1T	14C	FIX

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

Reconducted 387 line

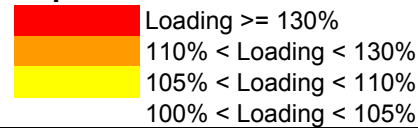


Sorted by branch and then by loading

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	261.0	261.7	256.0	102.0	367	FROSTBR21T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	10	1050LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	62	1515LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.5	256.0	102.0	104	1732LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	122	1773LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	127	1783LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.5	256.0	102.0	138	1821LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.5	256.0	102.0	142	1836LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261.5	256.0	102.0	145	1876LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	197	329LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261.5	256.0	102.0	240	1207-1775DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	241	1208-1640DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	330	BRANFORD1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	363	FROSTBR21T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261.5	256.0	102.0	402	ROCKRIVER1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261.5	256.0	102.0	418	SOTHNGTN25T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	267.9	256.0	102.0	106	1750LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	256.3	256.0	101.9	423	TRPFALLST1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.7	256.0	101.9	15	1080LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.7	256.0	101.9	41	1342LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.7	256.0	101.9	64	1545LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.7	256.0	101.9	100	1726LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.7	256.0	101.9	190	301-302LNS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.7	256.0	101.9	222	383LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.7	256.0	101.9	238	1080-1490DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.7	256.0	101.9	332	BOKUM2T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.7	256.0	101.9	333	BOKUM3T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.7	256.0	101.9	406	ROCKRIVER1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.7	256.0	101.9	467	NORSING1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	251.1	256.0	101.9	460	SCOVKR8TSTK	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	4	500LINE	18C	FIX	

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

Reconducted 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	261.5	256.0	101.9	41	1342LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	70	1570LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	86	1630LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.5	256.0	101.9	100	1726LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	178	88005ALINE-2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	186	89005BLINE-2	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	261	1570-1580DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.0	261.5	256.0	101.9	278	1751-1777DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.5	256.0	101.9	328	BOKUM2T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.5	256.0	101.9	329	BOKUM3T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	345	DEVON7TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	383	NOHAVN2TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261.5	256.0	101.9	427	WALLING1TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.5	256.0	101.9	460	SGTN5TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.5	256.0	101.9	463	NORSING1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261.5	256.0	101.9	464	SINGDEV1	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	251.6	256.0	101.9	246	1310-1763DCT	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	256.9	256.0	101.9	342	COLONY1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	256.3	256.0	101.8	401	QUINIPACST1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.7	256.0	101.8	86	1630LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261.7	256.0	101.8	145	1876LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.7	256.0	101.8	178	88005ALINE-2	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.7	256.0	101.8	186	89005BLINE-2	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	261.7	256.0	101.8	247	1261-1620DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	261.7	256.0	101.8	331	BOKUM1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	261.7	256.0	101.8	380	HADDAMBT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.7	256.0	101.8	387	NOHAVN2TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.7	256.0	101.8	431	WALLING1TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261.7	256.0	101.8	442	WESTON1T	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261.7	256.0	101.8	468	SINGDEV1	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261.5	256.0	101.8	15	1080LINE	18C	FIX	

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

Reconducted 387 line

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

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	260.6	261.5	256.0	101.8	81	1618LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261.5	256.0	101.8	234	1080-1490DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261.5	256.0	101.8	438	WESTON1T	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	267.9	256.0	101.8	396	OLDTOWNST	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	267.9	256.0	101.8	458	SCOVVRK5TSTK	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	256.9	256.0	101.8	249	1280-1870DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	256.9	256.0	101.8	264	1570-1575DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	256.9	256.0	101.8	286	1800-1825DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	256.9	256.0	101.8	405	QUINIPACST1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	256.9	256.0	101.8	427	TRPFALLST1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	256.9	256.0	101.8	429	TRIANGLE3T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	256.3	256.0	101.7	260	1570-1575DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.3	256.0	101.7	325	BATESROCK1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.3	256.0	101.7	338	COLONY1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.3	256.0	101.7	425	TRIANGLE3T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261.7	256.0	101.7	81	1618LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261.7	256.0	101.7	219	376LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261.5	256.0	101.7	64	1545LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	261.5	256.0	101.7	212	368LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261.5	256.0	101.7	301	310-368DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	261.5	256.0	101.7	465	SINGERSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	256.9	256.0	101.7	258	1470-1565DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	256.9	256.0	101.7	378	GREENHLL2T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	256.9	256.0	101.7	397	PEACEABLE1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.9	256.0	101.7	407	SACKETST1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	256.3	256.0	101.6	282	1800-1825DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.0	256.3	256.0	101.6	403	SACKETST1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.0	261.7	256.0	101.6	38	1300LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	261.7	256.0	101.6	43	ONE1385	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	261.7	256.0	101.6	65	1545+SPS	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.0	261.7	256.0	101.6	216	368LINE	14C	FIX	

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

Reconducted 387 line

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

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	260.1	261.7	256.0	101.6	305	310-368DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.1	251.1	256.0	101.6	250	1310-1763DCT	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.1	261.5	256.0	101.6	221	393LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	261.5	256.0	101.6	243	1261-1620DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	261.5	256.0	101.6	327	BOKUM1T	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	261.5	256.0	101.6	376	HADDAMBT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.1	256.9	256.0	101.6	59	1500LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.1	256.9	256.0	101.6	78	1605LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	256.9	256.0	101.6	239	1100-1200DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	256.9	256.0	101.6	475	ESHR-XFR	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	256.3	256.0	101.5	176	88005ALINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	256.3	256.0	101.5	358	DEVSWST4TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.8	256.3	256.0	101.5	371	GRNDAV5TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.8	256.3	256.0	101.5	372	GRNDAV6TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.8	256.3	256.0	101.5	374	GREENHLL2T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.7	246.6	256.0	101.5	221	393LINE	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.8	261.7	256.0	101.5	31	1238+1813LNS	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.9	261.7	256.0	101.5	103	1730CLINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.9	261.7	256.0	101.5	400	PEQUON32TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	260.0	261.5	256.0	101.5	31	1238+1813LNS	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.8	261.5	256.0	101.5	38	1300LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.9	261.5	256.0	101.5	43	ONE1385	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.9	256.9	256.0	101.5	60	1505LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.8	256.9	256.0	101.5	113	1760+1876LNS	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.7	256.9	256.0	101.5	330	BECONFLSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.7	256.9	256.0	101.5	403	PLUMTREE28T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.5	256.3	256.0	101.4	59	1500LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.5	256.3	256.0	101.4	78	1605LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.5	256.3	256.0	101.4	245	1280-1870DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.5	256.3	256.0	101.4	247	1355-1610DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.5	256.3	256.0	101.4	355	DEVSWST1TSTK	10C	FIX

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

Reconducted 387 line

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

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	256.3	256.0	101.4	357	DEVSWST3TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	256.3	256.0	101.4	380	MLLRVR2TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	256.3	256.0	101.4	410	SOTHNGTN13T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	261.7	256.0	101.4	99	1722LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	261.7	256.0	101.4	354	DEVON23TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	261.7	256.0	101.4	356	DEVON25TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	261.7	256.0	101.4	469	SINGERSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	261.5	256.0	101.4	65	1545+SPS	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	261.5	256.0	101.4	462	SGTN7TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	256.9	256.0	101.4	119	1770LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.9	256.0	101.4	251	1355-1610DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.9	256.0	101.4	253	1394-1515DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	256.9	256.0	101.4	276	1670-1830DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.9	256.0	101.4	384	MLLRVR2TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	256.9	256.0	101.4	402	PLUMTREE25T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.9	256.0	101.4	414	SOTHNGTN13T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	256.9	256.0	101.4	417	SOTHNGTN16T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.9	256.0	101.4	418	SOTHNGTN20T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	256.9	256.0	101.4	439	WBROOKFLD1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	256.3	256.0	101.3	60	1505LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	256.3	256.0	101.3	235	1100-1200DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	256.3	256.0	101.3	326	BECONFLSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	256.3	256.0	101.3	379	MLLRVR1TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	256.3	256.0	101.3	470	DEV-XFR	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	261.7	256.0	101.3	84	1622LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	261.7	256.0	101.3	466	SGTN7TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	261.5	256.0	101.3	103	1730CLINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	261.5	256.0	101.3	136	1813LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	261.5	256.0	101.3	215	376LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	261.5	256.0	101.3	268	1622-1887DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	261.5	256.0	101.3	305	371-383DCT	18C	FIX	

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

Reconducted 387 line

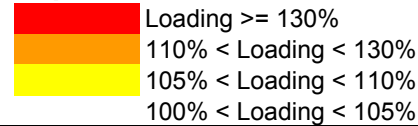
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	259.2	261.5	256.0	101.3	396	PEQUON32TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.4	261.5	256.0	101.3	405	SHEPAUG13A	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.4	256.9	256.0	101.3	42	1355LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.4	256.9	256.0	101.3	94	1690LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.3	256.9	256.0	101.3	126	1780LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.3	256.9	256.0	101.3	132	1790LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.3	256.9	256.0	101.3	248	1272-1721DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.3	256.9	256.0	101.3	306	310-383DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.3	256.9	256.0	101.3	338	BROADWYST1	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.3	256.9	256.0	101.3	340	BUNKERH2T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.2	256.9	256.0	101.3	363	EMERIDEN1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.4	256.9	256.0	101.3	383	MLLRVRTSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.4	256.9	256.0	101.3	443	WOODMNT1TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	256.3	256.0	101.2	244	1272-1721DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.1	256.3	256.0	101.2	249	1394-1515DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	256.3	256.0	101.2	356	DEVSWST2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.9	256.3	256.0	101.2	378	JUNEST1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.1	256.3	256.0	101.2	414	SOTHNGTN20T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.1	261.7	256.0	101.2	136	1813LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.2	261.7	256.0	101.2	272	1622-1887DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.2	261.7	256.0	101.2	409	SHEPAUG13A	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.1	261.5	256.0	101.2	84	1622LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.2	261.5	256.0	101.2	99	1722LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	261.5	256.0	101.2	350	DEVON23TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	261.5	256.0	101.2	352	DEVON25TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	256.9	256.0	101.2	176	88005ALINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.2	256.9	256.0	101.2	179	88006ALINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.2	256.9	256.0	101.2	188	89006BLINE-1	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	256.9	256.0	101.2	281	1732-1788DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	256.9	256.0	101.2	327	BAIRDASTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	259.0	256.9	256.0	101.2	362	DEVSWST4TSTK	23C	FIX

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

Reconducted 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	258.9	256.3	256.0	101.1	42	1355LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	94	1690LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.3	256.0	101.1	113	1760+1876LNS	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	179	88006ALINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	188	89006BLINE-1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	205	352LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.3	256.0	101.1	254	1470-1565DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.3	256.0	101.1	272	1670-1830DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.3	256.0	101.1	323	BAIRDASTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.3	256.0	101.1	334	BROADWYST1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	336	BUNKERH2T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	370	GRNDV4TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.3	256.0	101.1	373	GRNDV7TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.3	256.0	101.1	393	PEACEABLE1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.3	256.0	101.1	413	SOTHNGTN16T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	261.7	256.0	101.1	200	347LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	261.7	256.0	101.1	201	347LREAC	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	261.5	256.0	101.1	30	1238LINE	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	261.5	256.0	101.1	204	348+AUTO	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	261.5	256.0	101.1	206	352+AUTO	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	261.5	256.0	101.1	300	310-348DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	261.5	256.0	101.1	303	329-352DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.9	256.0	101.1	36	1272+1445LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.9	256.0	101.1	52	1443+1759LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.9	256.0	101.1	137	1820LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.9	256.0	101.1	195	318LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.9	256.0	101.1	266	1575-1585DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.9	256.0	101.1	267	1575-1990DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.9	256.0	101.1	268	1580-1585DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.9	256.0	101.1	287	1810-1825DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.9	256.0	101.1	341	BUNKERH3T	23C	FIX	

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

Reconducted 387 line

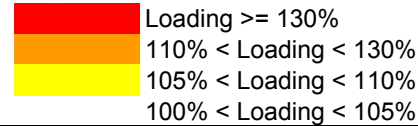
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	258.7	256.9	256.0	101.1	375	GRNDAV5TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.9	256.0	101.1	376	GRNDAV6TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.9	256.0	101.1	382	JUNEST1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.9	256.0	101.1	412	SNAUGA1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.9	256.0	101.1	419	SOTHNGTN22T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.9	256.0	101.1	420	SOTHNGTN23T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.3	256.0	101.0	119	1770LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.3	256.0	101.0	174	88003ALINE-2	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.3	256.0	101.0	182	89003BLINE-2	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.3	256.0	101.0	187	89006BLINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.3	256.0	101.0	262	1575-1585DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	256.3	256.0	101.0	337	BUNKERH3T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.3	256.0	101.0	359	EMERIDEN1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.3	256.0	101.0	398	PLUMTREE25T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.3	256.0	101.0	399	PLUMTREE28T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.3	256.0	101.0	435	WBROOKFLD1T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.3	256.0	101.0	473	NEWDEV2	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	261.7	256.0	101.0	30	1238LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	261.7	256.0	101.0	262	1545-1570DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	261.7	256.0	101.0	309	371-383DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	261.7	256.0	101.0	348	DEVON6TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	261.5	256.0	101.0	457	SGTN1TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	267.9	256.0	101.0	28	1222LINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.9	256.0	101.0	2	100+400LINES	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.9	256.0	101.0	11	1050+1766LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	256.9	256.0	101.0	21	1163+1910LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.9	256.0	101.0	73	1575LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.9	256.0	101.0	165	8809ALINE-2	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.9	256.0	101.0	168	8909BLINE-2	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	256.9	256.0	101.0	240	1100-1300DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.9	256.0	101.0	274	1668-1721DCT	23C	FIX	

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

Reconducted 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	258.6	256.9	256.0	101.0	339	BUNKERH1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.5	256.9	256.0	101.0	359	DEVSWS1TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.5	256.9	256.0	101.0	361	DEVSWS3TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.7	256.9	256.0	101.0	366	FROSTBR15T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	256.9	256.0	101.0	423	SOTHNGTN26T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.5	256.9	256.0	101.0	462	SGTN3TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.6	256.9	256.0	101.0	463	SGTN4TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.3	256.0	100.9	36	1272+1445LNS	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	52	1443+1759LNS	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	256.3	256.0	100.9	137	1820LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	165	8809ALINE-2	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	168	8909BLINE-2	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.3	256.0	100.9	264	1580-1585DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.3	256.0	100.9	283	1810-1825DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.3	256.0	100.9	324	BAIRDBSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	382	NOHAVN1TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.3	256.0	100.9	408	SNAUGA1T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	415	SOTHNGTN22T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.3	256.0	100.9	416	SOTHNGTN23T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	436	WRIVER1TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.3	256.0	100.9	437	WRIVER2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	261.7	256.0	100.9	87	1637LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	261.7	256.0	100.9	304	310-348DCT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	261.7	256.0	100.9	311	PLUMAUT	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	261.7	256.0	100.9	314	LOSSBPT3	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	261.7	256.0	100.9	357	DEVON26TSTK	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	261.5	256.0	100.9	87	1637LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	261.5	256.0	100.9	203	348LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	261.5	256.0	100.9	213	371LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	261.5	256.0	100.9	214	371+AUTO	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	261.5	256.0	100.9	267	1975-348DCT	18C	FIX

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

Reconducted 387 line

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

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	261.5	256.0	100.9	397	PEQUON42TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	251.6	256.0	100.9	279	1770-1887DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	251.6	256.0	100.9	422	STONYHILL1T	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	267.9	256.0	100.9	198	330LINE	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	267.9	256.0	100.9	446	CARD1TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.4	267.9	256.0	100.9	449	CARD3TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.9	256.0	100.9	14	1070+1490LNS	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	256.9	256.0	100.9	29	1235LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.3	256.9	256.0	100.9	381	HAWTHORNST	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.0	256.3	256.0	100.8	2	100+400LINES	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	73	1575LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	126	1780LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	132	1790LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	172	88003ALINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.0	256.3	256.0	100.8	175	88003ALINE-3	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	180	89003BLINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.0	256.3	256.0	100.8	183	89003BLINE-3	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.0	256.3	256.0	100.8	195	318LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	270	1668-1721DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	277	1732-1788DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	335	BUNKERH1T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.9	256.3	256.0	100.8	377	HAWTHORNST	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	256.3	256.0	100.8	471	ESHR-XFR	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.1	261.7	256.0	100.8	204	348+AUTO	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	261.7	256.0	100.8	217	371LINE	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.0	261.7	256.0	100.8	218	371+AUTO	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.0	261.7	256.0	100.8	315	LOSSDEV7	14C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	261.5	256.0	100.8	269	1637-1720DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	251.6	256.0	100.8	200	347LINE	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	258.2	251.6	256.0	100.8	201	347LREAC	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.9	256.9	256.0	100.8	9	1000LINE	23C	FIX

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

Reconducted 387 line

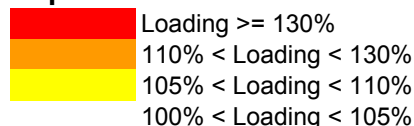
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

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	256.9	256.0	100.8	67	1550+1950LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.0	256.9	256.0	100.8	214	362LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.0	256.9	256.0	100.8	233	1000-1090DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.9	256.0	100.8	360	DEVSWSST2TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.9	256.0	100.8	388	NWALLING1T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	256.3	256.0	100.7	11	1050+1766LNS	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.3	256.0	100.7	14	1070+1490LNS	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.3	256.0	100.7	21	1163+1910LNS	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.3	256.0	100.7	29	1235LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	256.3	256.0	100.7	236	1100-1300DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.3	256.0	100.7	263	1575-1990DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.3	256.0	100.7	362	FROSTBR15T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.3	256.0	100.7	419	SOTHNGTN26T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.3	256.0	100.7	458	SGTN3TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	261.7	256.0	100.7	203	348LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	261.7	256.0	100.7	271	1975-348DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	261.7	256.0	100.7	273	1637-1720DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	261.7	256.0	100.7	308	362-376DCT	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	261.7	256.0	100.7	461	SGTN1TSTK	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	261.5	256.0	100.7	258	1545-1570DCT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	261.5	256.0	100.7	307	PLUMAUT	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	261.5	256.0	100.7	344	DEVON6TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	261.5	256.0	100.7	353	DEVON26TSTK	18C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	267.9	256.0	100.7	259	1470-1637DCT	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.9	256.0	100.7	8	694LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.9	256.0	100.7	32	1250LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.9	256.0	100.7	37	1280LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	256.9	256.0	100.7	159	8400LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.9	256.0	100.7	174	88003ALINE-2	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.9	256.0	100.7	182	89003BLINE-2	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.9	256.0	100.7	222	383LINE	23C	FIX	

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

Reconducted 387 line

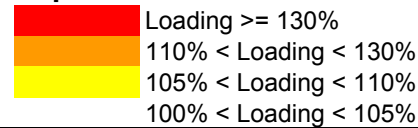


Sorted by branch and then by loading

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	257.9	256.9	256.0	100.7	299	1759-353NDCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.8	256.9	256.0	100.7	374	GRNDAV4TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.8	256.9	256.0	100.7	377	GRNDAV7TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.9	256.9	256.0	100.7	474	DEV-XFR	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	256.3	256.0	100.6	67	1550+1950LNS	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	256.3	256.0	100.6	68	1560LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.3	256.0	100.6	156	8100LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.3	256.0	100.6	157	8200LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.3	256.0	100.6	159	8400LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.3	256.0	100.6	163	8804ALINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.3	256.0	100.6	166	8904BLINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	256.3	256.0	100.6	210	362LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.3	256.0	100.6	229	1000-1090DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.7	256.3	256.0	100.6	320	ALLINGS1TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	256.3	256.0	100.6	321	ALLINGS2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	256.3	256.0	100.6	367	GRNDAV1TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	256.3	256.0	100.6	369	GRNDAV3TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	256.3	256.0	100.6	384	NWALLING1T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	256.3	256.0	100.6	459	SGTN4TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	246.6	256.0	100.6	351	DEVON24TSTK	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	251.1	256.0	100.6	283	1770-1887DCT	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	251.1	256.0	100.6	426	STONYHILL1T	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	261.5	256.0	100.6	295	1759-353DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	261.5	256.0	100.6	304	362-376DCT	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	261.5	256.0	100.6	311	LOSSDEV7	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	261.5	256.0	100.6	444	CARD2TSTK	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	251.6	256.0	100.6	239	1163-1550D-2	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	251.6	256.0	100.6	281	1800-1810DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.5	251.6	256.0	100.6	417	SOTHNGTN24T	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	251.6	256.0	100.6	420	SOTHNGTN28T	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.6	251.6	256.0	100.6	421	STEVENSNSTK	19C	FIX

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

Reconducted 387 line

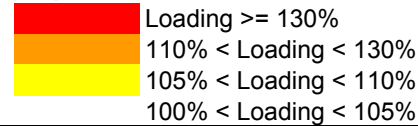


Sorted by branch and then by loading

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	257.6	251.6	256.0	100.6	426	TRIANGLE4T	19C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	267.9	256.0	100.6	208	353SLINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.9	256.0	100.6	3	400LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.6	88	1640LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.6	112	1760LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	256.9	256.0	100.6	144	1870LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	147	1887LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.6	155	1990LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	156	8100LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	157	8200LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.9	256.0	100.6	187	89006BLINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	205	352LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	256.9	256.0	100.6	236	1070-1080DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	256.9	256.0	100.6	328	BAIRDBSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	364	ESHORE12TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.6	368	FROSTBR27T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	371	GRNDAV1TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.9	256.0	100.6	373	GRNDAV3TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.9	256.0	100.6	386	NOHAVN1TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.3	256.0	100.5	8	694LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.3	256.0	100.5	9	1000LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	251.1	256.0	100.5	430	TRIANGLE4T	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.5	5	667-690LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.9	256.0	100.5	68	1560LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.5	72	1572+1772LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.9	256.0	100.5	79	1607LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.9	256.0	100.5	102	1730BLINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.9	256.0	100.5	164	8809ALINE-1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.9	256.0	100.5	167	8909BLINE-1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.9	256.0	100.5	171	84004LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.9	256.0	100.5	172	88003ALINE	23C	FIX	

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

Reconducted 387 line

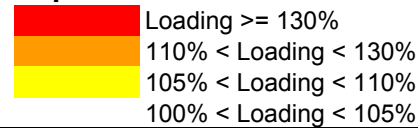


Sorted by branch and then by loading

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	256.9	256.0	100.5	180	89003BLINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.3	256.9	256.0	100.5	191	310LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.3	256.9	256.0	100.5	245	1208-1640DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.3	256.9	256.0	100.5	269	1580-1730BDC	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.2	256.9	256.0	100.5	275	1670-1771DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.2	256.9	256.0	100.5	337	BRANFRDRR1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.9	256.0	100.5	350	DEVON8TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.4	256.9	256.0	100.5	351	DEVON10TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.2	256.9	256.0	100.5	372	GRNDAV2TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.2	256.9	256.0	100.5	415	SOTHNGTN14T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.2	256.9	256.0	100.5	416	SOTHNGTN15T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.3	256.9	256.0	100.5	440	WRIVER1TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.3	256.9	256.0	100.5	441	WRIVER2TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.1	256.3	256.0	100.4	3	400LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.1	256.3	256.0	100.4	32	1250LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.1	256.3	256.0	100.4	80	1610LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.3	256.0	100.4	164	8809ALINE-1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.3	256.0	100.4	167	8909BLINE-1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.3	256.0	100.4	354	DEVON27TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.3	256.0	100.4	440	WOODMNT2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	246.6	256.0	100.4	469	SNGPEQ-XFR	11C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	251.1	256.0	100.4	285	1800-1810DCT	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	251.1	256.0	100.4	421	SOTHNGTN24T	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	251.6	256.0	100.4	257	1505-1607DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.1	251.6	256.0	100.4	381	MIXAVE1	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.9	256.0	100.4	13	1070LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.9	256.0	100.4	16	1090LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.1	256.9	256.0	100.4	23	1191LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.9	256.0	100.4	35	1272LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.9	256.0	100.4	50	1440LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	257.0	256.9	256.0	100.4	51	1443LINE	23C	FIX

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

Reconducted 387 line

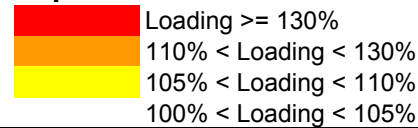


Sorted by branch and then by loading

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	256.9	256.0	100.4	53	1445LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	55	1460LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	58	1490LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	63	1537LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	256.9	256.0	100.4	75	1585LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.9	256.0	100.4	80	1610LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	90	1668LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	91	1670LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	95	1704LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	98	1721LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	105	1740LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	109	1753LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	256.9	256.0	100.4	111	1759LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	117	1767LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	256.9	256.0	100.4	120	1771LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	128	1784LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	129	1785LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	133	1792LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	160	8500LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	170	9502LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	256.9	256.0	100.4	173	88003ALINE-1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.9	256.0	100.4	175	88003ALINE-3	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.0	256.9	256.0	100.4	181	89003BLINE-1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.9	256.0	100.4	183	89003BLINE-3	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	237	1080-1280DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.9	256.0	100.4	312	SOUTH1XAUTO	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.9	256.0	100.4	358	DEVON27TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	367	FROSTBR21T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.9	256.0	100.4	413	SOTHNGTN12T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.4	436	WATERST1TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.3	256.0	100.3	5	667-690LINE	10C	FIX	

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

Reconducted 387 line

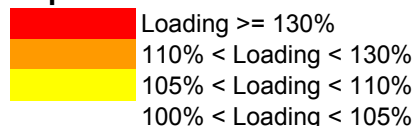


Sorted by branch and then by loading

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	256.9	256.3	256.0	100.3	37	1280LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	72	1572+1772LNS	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	79	1607LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.3	256.0	100.3	88	1640LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.3	256.0	100.3	102	1730BLINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.3	256.0	100.3	171	84004LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	216	381LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	217	381LREAC	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	232	1070-1080DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.3	256.0	100.3	265	1580-1730BDC	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	333	BRANFRDRR1T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.3	256.0	100.3	346	DEVON8TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.3	256.0	100.3	347	DEVON10TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	368	GRNDV2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.3	256.0	100.3	409	SOTHNGTN12T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.3	256.0	100.3	429	WALLING3TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	251.1	256.0	100.3	243	1163-1550D-2	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	251.1	256.0	100.3	424	SOTHNGTN28T	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	251.1	256.0	100.3	477	NEWDEV2	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	261.5	256.0	100.3	211	364+AUTO	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	261.5	256.0	100.3	450	MONTVSTBKR	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	251.6	256.0	100.3	473	NEWDEV2	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	267.9	256.0	100.3	316	LOLAKERD	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	1	100LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	6	689LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	7	693LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	10	1050LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	12	1060LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	17	1100LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	20	1163LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	22	1165LINE	23C	FIX

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

Reconducted 387 line

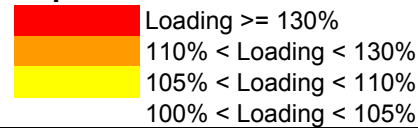


Sorted by branch and then by loading

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	256.9	256.9	256.0	100.3	24	1200LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	25	1206LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	26	1207LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	27	1208LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	33	1261LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	34	1270LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	39	1310LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	40	1337LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	46	1394LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	47	1410LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	54	1450LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	56	1466LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	61	1508LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	62	1515LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	66	1550LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	71	1572LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	74	1580LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	76	1588LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	77	1594LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	82	1620SLINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	83	1620NLINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	85	1625LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	89	1655LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	92	1675LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	107	1751LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	108	1752LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	110	1756LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	114	1763LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	115	1765LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	116	1766LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	118	1769LINE	23C	FIX

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

Reconducted 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	256.9	256.0	100.3	121	1772LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	123	1775LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	124	1777LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	125	1779LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	127	1783LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	130	1786LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	131	1788LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	134	1800-1860LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	135	1810LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	139	1825LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	140	1830LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	141	1835LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	149	1900LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	150	1910LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	151	1921LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	152	1950LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	153	1975LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	158	8300LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	162	8700LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	169	9500LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	190	301-302LNS	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	197	329LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.9	256.0	100.3	234	1060-1165DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	235	1060-1270DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	257	1440-1450DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	270	1620-1975DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	284	1777-1779DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.9	256.0	100.3	310	MANCHAUTO1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.9	256.0	100.3	313	SOUTH2XAUTO	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	321	LOSSNHAV	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.9	256.0	100.3	322	LOSSNOR1	23C	FIX	

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

Reconducted 387 line

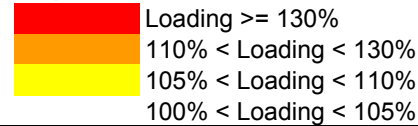
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Sorted by branch and then by loading

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	256.9	256.9	256.0	100.3	323	LOSSNOR2	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	324	ALLINGS1TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	325	ALLINGS2TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	335	BRANFORD2T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	336	BRANFORD4T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	347	DEVON4TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	352	DEVON11TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	353	DEVON12TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.7	256.9	256.0	100.3	379	HADDAMAT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	406	ROCKRIVER1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	437	WATERST2TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.9	256.9	256.0	100.3	465	SGTN6TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	470	orang-eshr	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.8	256.9	256.0	100.3	476	NEWDEV1	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	35	1272LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	50	1440LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.6	256.3	256.0	100.2	53	1445LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	55	1460LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	63	1537LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.6	256.3	256.0	100.2	75	1585LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	93	1685LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.3	256.0	100.2	98	1721LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	144	1870LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	147	1887LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.6	256.3	256.0	100.2	158	8300LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.3	256.0	100.2	160	8500LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.3	256.0	100.2	162	8700LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	173	88003ALINE-1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.6	256.3	256.0	100.2	177	88005ALINE-1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	181	89003BLINE-1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.5	256.3	256.0	100.2	184	89005BLINE	10C	FIX

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

Reconducted 387 line

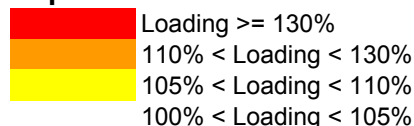


Sorted by branch and then by loading

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	256.6	256.3	256.0	100.2	185	89005BLINE-1	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.3	256.0	100.2	191	310LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.2	271	1670-1771DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.2	302	310-383DCT	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.3	256.0	100.2	308	SOUTH1XAUTO	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.3	256.0	100.2	331	BRANFORD2T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.3	256.0	100.2	411	SOTHNGTN14T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.2	412	SOTHNGTN15T	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.2	433	WATERST2TSTK	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	261.7	256.0	100.2	57	1470LINE	14C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	251.1	256.0	100.2	261	1505-1607DCT	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	251.1	256.0	100.2	385	MIXAVE1	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	251.1	256.0	100.2	425	STEVENSNSTK	15C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	267.9	256.0	100.2	101	1730ALINE	22C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	93	1685LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.9	256.0	100.2	104	1732LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.9	256.0	100.2	122	1773LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.9	256.0	100.2	138	1821LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.9	256.0	100.2	142	1836LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.9	256.0	100.2	145	1876LINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	163	8804ALINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	166	8904BLINE	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	244	1207-1775DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	282	1751-1777DCT	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	422	SOTHNGTN25T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	428	TRIANGLE2T	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.9	256.0	100.2	464	SGTN5TSTK	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.9	256.0	100.2	468	SINGDEV1	23C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	1	100LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	6	689LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	7	693LINE	10C	FIX	

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

Reconducted 387 line

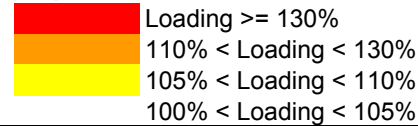


Sorted by branch and then by loading

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	256.3	256.0	100.1	12	1060LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	13	1070LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	16	1090LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	17	1100LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	20	1163LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	22	1165LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	23	1191LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	24	1200LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	25	1206LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	26	1207LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	27	1208LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	34	1270LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	39	1310LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	40	1337LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	46	1394LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	47	1410LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	51	1443LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	54	1450LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	56	1466LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	58	1490LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	71	1572LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	74	1580LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	76	1588LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	77	1594LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	83	1620LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	85	1625LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	89	1655LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	90	1668LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	91	1670LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	92	1675LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	95	1704LINE	10C	FIX	

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

Reconducted 387 line

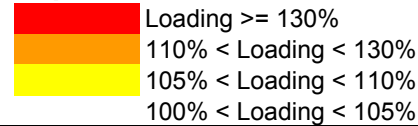


Sorted by branch and then by loading

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	256.4	256.3	256.0	100.1	105	1740LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	107	1751LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	109	1753LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	110	1756LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	111	1759LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	112	1760LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	114	1763LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	115	1765LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	116	1766LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	117	1767LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	118	1769LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	120	1771LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	121	1772LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	123	1775LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	125	1779LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	129	1785LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	130	1786LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	131	1788LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	133	1792LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	134	1800-1860LNS	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	135	1810LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	139	1825LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	140	1830LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	141	1835LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	149	1900LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	151	1921LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	153	1975LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	155	1990LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.3	256.0	100.1	161	8600LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.3	256.0	100.1	169	9500LINE	10C	FIX	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.3	256.0	100.1	170	9502LINE	10C	FIX	

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

Reconducted 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	256.3	256.0	100.1	231	1060-1270DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	253	1440-1450DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	306	MANCHAUTO1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	318	LOSSNOR1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	319	LOSSNOR2	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.3	256.0	100.1	332	BRANFORD4T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	343	DEVON4TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.3	256.0	100.1	348	DEVON11TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	349	DEVON12TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	364	FROSTBR27T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	424	TRIANGLE2T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.2	256.3	256.0	100.1	428	WALLING2TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	430	WALLING4TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	431	WALLING5TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.3	256.0	100.1	432	WATERST1TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	461	SGTN6TSTK	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	468	SNG-PEQTAP	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.3	256.0	100.1	472	NEWDEV1	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.2	251.1	256.0	100.1	263	1560-1570DCT	15C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	251.6	256.0	100.1	259	1560-1570DCT	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	251.6	256.0	100.1	325	BATESROCK1T	19C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.2	267.9	256.0	100.1	346	DEVON3TSTK	22C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	4	500LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	41	1342LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.1	70	1570LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	81	1618LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.2	256.9	256.0	100.1	97	1720LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	100	1726LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.9	256.0	100.1	161	8600LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.1	220	381LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.1	221	381LREAC	23C	FIX

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

Reconducted 387 line

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

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	256.2	256.9	256.0	100.1	305	310-368DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	332	BOKUM2T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	333	BOKUM3T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.3	256.9	256.0	100.1	334	BRANFORD1T	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.1	349	DEVON7TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.4	256.9	256.0	100.1	432	WALLING2TSTK	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	10	1050LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	33	1261LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.3	256.0	100.0	61	1508LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.3	256.0	100.0	62	1515LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	66	1550LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	82	1620SLINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	108	1752LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	124	1777LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.3	256.0	100.0	127	1783LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	150	1910LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	152	1950LINE	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	230	1060-1165DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	241	1208-1640DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	266	1620-1975DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	280	1777-1779DCT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	309	SOUTH2XAUTO	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.3	256.0	100.0	375	HADDAMAT	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.3	256.0	100.0	418	SOTHNGTN25T	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.3	256.0	100.0	466	orang-eshr	10C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	261.5	256.0	100.0	57	1470LINE	18C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.9	256.0	100.0	15	1080LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.0	216	368LINE	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.0	238	1080-1490DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.0	256.9	256.0	100.0	265	1570-1580DCT	23C	FIX
73172 NORWALK	115 73207 FLAX HIL	115 1	LN	256.1	256.9	256.0	100.0	444	WOODMNT2TSTK	23C	FIX

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

Reconducted 387 line

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

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	256.1	256.9	256.0	100.0	448	CARD2TSTK	23C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	282.2	166.0	253.0	111.5	368	FROSTBR27T	17C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	281.5	164.5	253.0	111.3	368	FROSTBR27T	14C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	275.4	163.0	253.0	108.8	368	FROSTBR27T	25C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	275.1	161.8	253.0	108.7	368	FROSTBR27T	22C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	263.6	155.6	253.0	104.2	364	FROSTBR27T	13C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	263.1	154.2	253.0	104.0	364	FROSTBR27T	10C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	257.5	153.0	253.0	101.8	364	FROSTBR27T	21C	FIX
73183 SHAWSHIL	115 73185 BUNKER H	115 1	LN	256.8	151.5	253.0	101.5	364	FROSTBR27T	18C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	149.4	20.4	112.0	133.4	248	1272-1721DCT	25C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	149.2	23.2	112.0	133.2	248	1272-1721DCT	17C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	147.8	15.7	112.0	132.0	244	1272-1721DCT	13C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	147.8	12.9	112.0	132.0	244	1272-1721DCT	21C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	146.9	25.2	112.0	131.2	248	1272-1721DCT	14C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	146.6	22.6	112.0	130.9	248	1272-1721DCT	22C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	145.4	17.9	112.0	129.8	244	1272-1721DCT	10C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	145.4	15.3	112.0	129.8	244	1272-1721DCT	18C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	143.4	10.5	112.0	128.1	248	1272-1721DCT	23C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	143.3	10.6	112.0	128.0	248	1272-1721DCT	15C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	142.9	15.3	112.0	127.6	244	1272-1721DCT	19C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	142.8	13.9	112.0	127.5	244	1272-1721DCT	11C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	142.1	23.9	112.0	126.9	248	1272-1721DCT	16C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	142.2	25.8	112.0	126.9	248	1272-1721DCT	24C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	141.7	32.9	112.0	126.5	244	1272-1721DCT	20C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	141.6	30.7	112.0	126.4	244	1272-1721DCT	12C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	122.9	23.2	112.0	109.7	340	BUNKERH2T	17C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	122.7	20.4	112.0	109.6	340	BUNKERH2T	25C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	121.5	12.9	112.0	108.5	336	BUNKERH2T	21C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	121.4	15.7	112.0	108.4	336	BUNKERH2T	13C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	120.7	25.2	112.0	107.8	340	BUNKERH2T	14C	FIX
73188 BCNFL PF	115 73192 DRBY J B	115 1	LN	120.5	22.6	112.0	107.6	340	BUNKERH2T	22C	FIX

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

Reconducted 387 line

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

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	119.6	15.3	112.0	106.8	336	BUNKERH2T	18C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.6	17.9	112.0	105.0	336	BUNKERH2T	10C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.4	10.6	112.0	104.8	340	BUNKERH2T	15C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.2	10.5	112.0	104.7	340	BUNKERH2T	23C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.7	15.3	112.0	104.2	336	BUNKERH2T	19C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.6	13.9	112.0	104.1	336	BUNKERH2T	11C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.2	23.9	112.0	103.7	340	BUNKERH2T	16C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.1	32.9	112.0	103.6	336	BUNKERH2T	20C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.0	25.8	112.0	103.5	340	BUNKERH2T	24C	FIX		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.4	30.7	112.0	103.0	336	BUNKERH2T	12C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	299.0	142.9	228.0	131.1	295	1460-387DCT	14C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	294.8	145.5	228.0	129.3	295	1460-387DCT	17C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	290.6	145.5	228.0	127.5	460	SCOVKR8TSTK	17C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	290.4	142.9	228.0	127.4	224	387LINE	14C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	288.5	142.9	228.0	126.6	460	SCOVKR8TSTK	14C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	286.9	145.5	228.0	125.8	224	387LINE	17C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	264.1	145.5	228.0	115.8	458	SCOVKR5TSTK	17C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	263.6	142.9	228.0	115.6	458	SCOVKR5TSTK	14C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	253.0	129.2	228.0	111.0	295	1460-387DCT	22C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	251.3	142.9	228.0	110.2	459	SCOVKR7TSTK	14C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	251.1	131.5	228.0	110.1	295	1460-387DCT	25C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	250.4	145.5	228.0	109.8	459	SCOVKR7TSTK	17C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	245.8	129.2	228.0	107.8	224	387LINE	22C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	245.0	131.5	228.0	107.5	224	387LINE	25C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	243.9	129.2	228.0	107.0	460	SCOVKR8TSTK	22C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	243.0	131.5	228.0	106.6	460	SCOVKR8TSTK	25C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	233.2	116.5	228.0	102.3	291	1460-387DCT	10C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	232.1	118.8	228.0	101.8	291	1460-387DCT	13C	FIX		
73196 GLEN JCT 115 73198 SOUTHGTN 115 1	LN	228.9	129.2	228.0	100.4	458	SCOVKR5TSTK	22C	FIX		
73196 GLEN JCT 115 73675 MIX AVE 115 1	LN	181.8	76.1	178.0	102.1	295	1460-387DCT	14C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	364.3	180.5	330.0	110.4	224	387LINE	14C	FIX		

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

Reconducted 387 line

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

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	360.9	181.2	330.0	109.4	460	SCOVRR8TSTK	17C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	360.6	180.5	330.0	109.3	460	SCOVRR8TSTK	14C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	358.1	181.2	330.0	108.5	224	387LINE	17C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	350.6	180.5	330.0	106.2	295	1460-387DCT	14C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	344.7	181.2	330.0	104.5	295	1460-387DCT	17C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	333.7	180.5	330.0	101.1	458	SCOVRR5TSTK	14C	FIX		
73198 SOUTHGTN 115 73631 WLNGF PF 115 1	LN	331.7	181.2	330.0	100.5	458	SCOVRR5TSTK	17C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	470.2	224.2	256.0	183.7	255	1416-1880DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	460.8	217.3	256.0	180.0	251	1416-1880DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	460.5	218.1	256.0	179.9	255	1416-1880DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	454.4	212.5	256.0	177.5	255	1416-1880DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	453.2	212.3	256.0	177.0	251	1416-1880DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	447.0	207.0	256.0	174.6	251	1416-1880DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	445.6	206.8	256.0	174.1	255	1416-1880DCT	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	442.9	224.2	256.0	173.0	292	1880-1977DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	439.6	202.0	256.0	171.7	251	1416-1880DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	433.6	217.3	256.0	169.4	288	1880-1977DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	433.4	218.1	256.0	169.3	292	1880-1977DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	427.3	212.5	256.0	166.9	292	1880-1977DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	426.1	212.3	256.0	166.4	288	1880-1977DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	419.8	207.0	256.0	164.0	288	1880-1977DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	418.6	206.8	256.0	163.5	292	1880-1977DCT	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	412.5	202.0	256.0	161.1	288	1880-1977DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	384.0	224.2	256.0	150.0	242	113091001DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	379.9	218.1	256.0	148.4	242	113091001DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	379.3	217.3	256.0	148.2	238	113091001DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	377.2	212.5	256.0	147.3	242	113091001DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	376.7	212.3	256.0	147.2	238	113091001DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	376.7	224.2	256.0	147.1	369	GLENBROOK3T	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.3	224.2	256.0	146.2	146	1880LINE	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.3	224.2	256.0	146.2	394	NORWLKHAR4T	22C	FIX		

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

Reconducted 387 line

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

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	374.1	207.0	256.0	146.1	238	113091001DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	373.8	206.8	256.0	146.0	242	113091001DCT	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	373.2	224.2	256.0	145.8	390	NORWALKST2	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	371.8	202.0	256.0	145.2	238	113091001DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.3	218.1	256.0	143.1	369	GLENBROOK3T	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.3	217.3	256.0	143.1	365	GLENBROOK3T	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	364.4	217.3	256.0	142.3	146	1880LINE	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	364.4	217.3	256.0	142.3	390	NORWLKHAR4T	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	364.0	218.1	256.0	142.2	146	1880LINE	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	364.0	218.1	256.0	142.2	394	NORWLKHAR4T	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	362.8	217.3	256.0	141.7	386	NORWALKST2	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	362.0	218.1	256.0	141.4	390	NORWALKST2	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	358.7	212.5	256.0	140.1	369	GLENBROOK3T	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	357.7	212.3	256.0	139.7	365	GLENBROOK3T	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	357.2	212.5	256.0	139.5	146	1880LINE	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	357.2	212.5	256.0	139.5	394	NORWLKHAR4T	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	356.0	212.3	256.0	139.0	146	1880LINE	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	356.0	212.3	256.0	139.0	390	NORWLKHAR4T	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.4	212.5	256.0	138.4	390	NORWALKST2	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	353.4	224.2	256.0	138.1	291	1880-1890DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	353.4	212.3	256.0	138.0	386	NORWALKST2	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	351.0	224.2	256.0	137.1	241	1130-1430DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.1	207.0	256.0	136.8	365	GLENBROOK3T	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.1	218.1	256.0	136.4	291	1880-1890DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.9	206.8	256.0	136.3	369	GLENBROOK3T	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.9	207.0	256.0	136.3	146	1880LINE	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.9	207.0	256.0	136.3	390	NORWLKHAR4T	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.0	217.3	256.0	136.0	287	1880-1890DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	348.0	224.2	256.0	136.0	256	1416-1890DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.5	206.8	256.0	135.7	146	1880LINE	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.5	206.8	256.0	135.7	394	NORWLKHAR4T	15C	FIX		

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

Reconducted 387 line

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

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	347.2	218.1	256.0	135.6	241	1130-1430DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.4	217.3	256.0	135.3	237	1130-1430DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.5	207.0	256.0	135.0	386	NORWALKST2	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.5	212.5	256.0	134.6	241	1130-1430DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.3	218.1	256.0	134.5	256	1416-1890DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.2	212.3	256.0	134.4	237	1130-1430DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.5	212.3	256.0	134.2	287	1880-1890DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.6	206.8	256.0	134.2	390	NORWALKST2	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.6	217.3	256.0	134.2	252	1416-1890DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.7	212.5	256.0	133.9	291	1880-1890DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.8	212.5	256.0	133.5	256	1416-1890DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.4	212.3	256.0	133.4	252	1416-1890DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.5	202.0	256.0	133.4	365	GLENBROOK3T	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.4	206.8	256.0	133.4	241	1130-1430DCT	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.5	207.0	256.0	133.4	237	1130-1430DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.3	202.0	256.0	132.9	146	1880LINE	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.3	202.0	256.0	132.9	390	NORWLKHAR4T	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.5	202.0	256.0	132.6	237	1130-1430DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.8	207.0	256.0	132.4	252	1416-1890DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.7	206.8	256.0	132.3	256	1416-1890DCT	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.3	206.8	256.0	132.1	291	1880-1890DCT	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.1	207.0	256.0	132.1	287	1880-1890DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	336.9	202.0	256.0	131.6	252	1416-1890DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	335.9	202.0	256.0	131.2	386	NORWALKST2	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	333.7	202.0	256.0	130.4	287	1880-1890DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	324.2	224.2	256.0	126.7	293	1890-1977DCT	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	320.6	218.1	256.0	125.2	293	1890-1977DCT	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	319.8	217.3	256.0	124.9	289	1890-1977DCT	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	318.2	212.5	256.0	124.3	293	1890-1977DCT	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	317.7	212.3	256.0	124.1	289	1890-1977DCT	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	315.2	206.8	256.0	123.1	293	1890-1977DCT	15C	FIX		

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

Reconducted 387 line

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

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	315.3	207.0	256.0	123.1	289	1890-1977DCT	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	313.4	202.0	256.0	122.4	289	1890-1977DCT	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	298.7	224.2	256.0	116.7	189	91001LINE	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	293.3	218.1	256.0	114.6	189	91001LINE	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	292.9	217.3	256.0	114.4	189	91001LINE	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	289.4	212.5	256.0	113.0	189	91001LINE	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	288.9	212.3	256.0	112.8	189	91001LINE	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	285.0	207.0	256.0	111.3	189	91001LINE	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	284.5	206.8	256.0	111.1	189	91001LINE	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	281.0	202.0	256.0	109.8	189	91001LINE	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	278.2	224.2	256.0	108.7	18	1130LINE	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	278.1	224.2	256.0	108.6	326	ASHCREEKBKR	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	276.8	224.2	256.0	108.1	393	NORWLKHAR3T	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	275.8	224.2	256.0	107.7	398	PEQUON12TSTK	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273.1	218.1	256.0	106.7	326	ASHCREEKBKR	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273.0	224.2	256.0	106.7	49	1430LINE	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.8	218.1	256.0	106.6	18	1130LINE	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.4	217.3	256.0	106.4	322	ASHCREEKBKR	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.2	217.3	256.0	106.3	18	1130LINE	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.9	218.1	256.0	105.4	398	PEQUON12TSTK	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.0	218.1	256.0	105.1	393	NORWLKHAR3T	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.7	212.3	256.0	105.0	322	ASHCREEKBKR	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.8	217.3	256.0	105.0	394	PEQUON12TSTK	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.8	224.2	256.0	105.0	19	1130+1416LNS	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.9	212.5	256.0	105.0	326	ASHCREEKBKR	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.4	217.3	256.0	104.8	389	NORWLKHAR3T	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	224.2	224.2	214.0	104.8		** Base Case	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.2	212.5	256.0	104.8	18	1130LINE	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.9	212.3	256.0	104.7	18	1130LINE	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.0	218.1	256.0	104.7	49	1430LINE	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.6	224.2	256.0	104.5	408	SASOCR1T	22C	FIX		

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

Reconducted 387 line

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

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	267.3	217.3	256.0	104.4	49	1430LINE	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.3	224.2	256.0	104.4	370	GLENBROOK8T	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.0	224.2	256.0	104.3	148	1890LINE	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.0	224.2	256.0	104.3	391	NORWLKHAR1T	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.6	224.2	256.0	104.1	48	1416LINE	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.6	212.5	256.0	103.4	398	PEQUON12TSTK	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.5	206.8	256.0	103.3	326	ASHCREKBKR	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.6	207.0	256.0	103.3	322	ASHCREKBKR	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.1	212.3	256.0	103.2	394	PEQUON12TSTK	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.0	212.5	256.0	103.1	49	1430LINE	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.6	212.3	256.0	103.0	49	1430LINE	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.6	207.0	256.0	103.0	18	1130LINE	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.5	218.1	256.0	102.9	19	1130+1416LNS	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.3	206.8	256.0	102.9	18	1130LINE	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.8	217.3	256.0	102.7	19	1130+1416LNS	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.6	218.1	256.0	102.6	408	SASCOCR1T	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.3	218.1	256.0	102.4	370	GLENBROOK8T	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.0	217.3	256.0	102.4	404	SASCOCR1T	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.9	218.1	256.0	102.3	148	1890LINE	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.9	218.1	256.0	102.3	391	NORWLKHAR1T	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.6	217.3	256.0	102.2	366	GLENBROOK8T	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	218.1	256.0	102.1	48	1416LINE	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	217.3	256.0	102.1	148	1890LINE	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	217.3	256.0	102.1	387	NORWLKHAR1T	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.1	202.0	256.0	102.0	322	ASHCREKBKR	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	218.1	218.1	214.0	101.9		** Base Case	14C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.6	217.3	256.0	101.8	48	1416LINE	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.3	212.3	256.0	101.7	389	NORWLKHAR3T	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	217.3	217.3	214.0	101.5		** Base Case	18C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.6	202.0	256.0	101.4	18	1130LINE	11C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.7	207.0	256.0	101.4	49	1430LINE	19C	FIX		

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

Reconducted 387 line

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

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	259.6	212.5	256.0	101.4	393	NORWLKHAR3T	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.4	206.8	256.0	101.3	49	1430LINE	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.1	206.8	256.0	101.2	398	PEQUON12TSTK	15C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.0	207.0	256.0	101.2	394	PEQUON12TSTK	19C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.7	212.3	256.0	101.1	19	1130+1416LNS	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.9	212.5	256.0	101.1	19	1130+1416LNS	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.9	212.5	256.0	101.1	408	SASCOCR1T	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.5	212.3	256.0	101.0	404	SASCOCR1T	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.2	212.5	256.0	100.9	148	1890LINE	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.4	212.5	256.0	100.9	370	GLENBROOK8T	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.2	212.5	256.0	100.9	391	NORWLKHAR1T	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.0	212.3	256.0	100.8	366	GLENBROOK8T	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.8	212.3	256.0	100.7	148	1890LINE	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.8	212.3	256.0	100.7	387	NORWLKHAR1T	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.8	224.2	256.0	100.3	343	DARIEN1T	22C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.8	212.5	256.0	100.3	48	1416LINE	23C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.5	212.3	256.0	100.2	48	1416LINE	10C	FIX		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.0	202.0	256.0	100.0	49	1430LINE	11C	FIX		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	237.9	59.8	231.0	103.0	341	DEVON2TSTK	12C	FIX		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	234.2	58.8	231.0	101.4	341	DEVON2TSTK	20C	FIX		
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	174.1	108.0	165.0	105.5	295	1460-387DCT	14C	FIX		
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	172.1	108.0	165.0	104.3	224	387LINE	14C	FIX		
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	170.6	108.0	165.0	103.4	460	SCOVKR8TSTK	14C	FIX		
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	170.2	108.7	165.0	103.2	460	SCOVKR8TSTK	17C	FIX		
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	170.0	108.7	165.0	103.0	295	1460-387DCT	17C	FIX		
73228 BALDWNJB 115 73185 BUNKER H 115 1	LN	168.4	108.7	165.0	102.1	224	387LINE	17C	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	206.5	116.5	165.0	125.2	82	1620SLINE	17C	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	206.4	116.4	165.0	125.1	82	1620SLINE	14C	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	193.3	109.0	165.0	117.2	82	1620SLINE	22C	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	193.2	109.0	165.0	117.1	82	1620SLINE	25C	FIX		
73230 HADDAM 115 73231 BOKUM 115 1	LN	188.2	116.4	165.0	114.0	460	SCOVKR8TSTK	14C	FIX		

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

Reconducted 387 line

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

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 1	LN	187.2	116.5	165.0	113.5	460	SCOVKR8TSTK	17C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	183.6	103.7	165.0	111.3	82	1620SLINE	10C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	183.4	103.5	165.0	111.1	82	1620SLINE	13C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	182.6	116.4	165.0	110.7	224	387LINE	14C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	179.0	116.5	165.0	108.5	224	387LINE	17C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	170.7	96.4	165.0	103.4	82	1620SLINE	18C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	170.6	96.3	165.0	103.4	82	1620SLINE	21C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	168.6	116.4	165.0	102.2	458	SCOVKR5TSTK	14C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	168.2	116.5	165.0	101.9	458	SCOVKR5TSTK	17C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	167.7	94.7	165.0	101.7	82	1620SLINE	15C	FIX
73230 HADDAM	115 73231 BOKUM	115 1	LN	165.5	116.4	165.0	100.3	459	SCOVKR7TSTK	14C	FIX
73230 HADDAM	115 73231 BOKUM	115 2	LN	207.8	119.4	191.0	108.8	33	1261LINE	17C	FIX
73230 HADDAM	115 73231 BOKUM	115 2	LN	207.7	119.4	191.0	108.7	33	1261LINE	14C	FIX
73230 HADDAM	115 73231 BOKUM	115 2	LN	194.5	111.8	191.0	101.8	33	1261LINE	22C	FIX
73230 HADDAM	115 73231 BOKUM	115 2	LN	194.4	111.7	191.0	101.8	33	1261LINE	25C	FIX
73230 HADDAM	115 73231 BOKUM	115 2	LN	193.0	119.4	191.0	101.0	460	SCOVKR8TSTK	14C	FIX
73230 HADDAM	115 73231 BOKUM	115 2	LN	192.0	119.4	191.0	100.5	460	SCOVKR8TSTK	17C	FIX
73231 BOKUM	115 73265 GREEN HL	115 1	LN	291.7	161.6	284.0	102.7	460	SCOVKR8TSTK	14C	FIX
73231 BOKUM	115 73265 GREEN HL	115 1	LN	290.6	161.5	284.0	102.3	460	SCOVKR8TSTK	17C	FIX
73231 BOKUM	115 73265 GREEN HL	115 1	LN	285.6	161.6	284.0	100.6	224	387LINE	14C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	303.3	22.5	134.0	226.4	428	TRIANGLE2T	22C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	303.1	22.5	134.0	226.2	428	TRIANGLE2T	14C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	302.8	22.5	134.0	226.0	428	TRIANGLE2T	17C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	302.5	22.5	134.0	225.8	428	TRIANGLE2T	15C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	302.6	22.4	134.0	225.8	428	TRIANGLE2T	25C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	299.2	22.5	134.0	223.3	424	TRIANGLE2T	18C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.8	22.5	134.0	223.0	424	TRIANGLE2T	10C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.8	22.5	134.0	223.0	428	TRIANGLE2T	23C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.4	22.4	134.0	222.7	424	TRIANGLE2T	13C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.3	22.5	134.0	222.6	424	TRIANGLE2T	11C	FIX
73268 MDDLRLV	115 73176 TRIANGLE	115 1	LN	298.3	22.4	134.0	222.6	424	TRIANGLE2T	19C	FIX

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

Reconducted 387 line

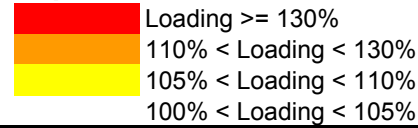
	Loading >= 130%
	110% < Loading < 130%
	105% < Loading < 110%
	100% < Loading < 105%

Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading %	Ncon	Contingency	Dispatch	Controls
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	298.3	22.4	134.0	222.6	424	TRIANGLE2T	21C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	298.2	22.5	134.0	222.5	428	TRIANGLE2T	16C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.8	22.4	134.0	222.3	424	TRIANGLE2T	12C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.6	22.4	134.0	222.1	428	TRIANGLE2T	24C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.3	22.4	134.0	221.8	424	TRIANGLE2T	20C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.5	22.5	134.0	111.6	234	1060-1165DCT	22C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.4	22.5	134.0	111.5	234	1060-1165DCT	15C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.4	22.5	134.0	111.5	230	1060-1165DCT	18C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.3	22.5	134.0	111.5	234	1060-1165DCT	23C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.3	22.5	134.0	111.4	234	1060-1165DCT	14C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.2	22.5	134.0	111.4	234	1060-1165DCT	17C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.2	22.5	134.0	111.3	230	1060-1165DCT	10C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.1	22.5	134.0	111.3	230	1060-1165DCT	11C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.1	22.5	134.0	111.3	234	1060-1165DCT	16C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.0	22.4	134.0	111.2	230	1060-1165DCT	13C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.0	22.4	134.0	111.2	230	1060-1165DCT	19C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	149.0	22.4	134.0	111.2	234	1060-1165DCT	25C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	148.9	22.4	134.0	111.1	230	1060-1165DCT	12C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	148.9	22.4	134.0	111.1	230	1060-1165DCT	21C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	148.7	22.4	134.0	111.0	234	1060-1165DCT	24C	FIX		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	148.5	22.4	134.0	110.8	230	1060-1165DCT	20C	FIX		
73293 NORWALK 345 73317 NORSING2 345 1	LN	800.1	426.6	794.0	100.8	463	NORSING1	11C	FIX		
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	824.0	462.2	794.0	103.8	463	NORSING1	11C	FIX		
73317 NORSING2 345 73315 SINGNOR2 345 1	LN	813.7	462.2	794.0	102.5	465	SINGERSTK	11C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	267.7	117.9	258.0	103.8	368	GRNDV2TSTK	13C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 1	LN	261.9	111.0	258.0	101.5	368	GRNDV2TSTK	21C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	267.7	117.9	258.0	103.8	368	GRNDV2TSTK	13C	FIX		
73669 GRAND AV 115 73681 WEST RIV 115 2	LN	261.9	111.0	258.0	101.5	368	GRNDV2TSTK	21C	FIX		
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	441.8	284.4	439.0	100.6	248	1389-1880DCT	11C	FIX		
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	441.8	278.8	439.0	100.6	248	1389-1880DCT	19C	FIX		
73701 CRRA JCT 115 73703 ASHCREEK 115 1	LN	441.3	274.7	439.0	100.5	252	1389-1880DCT	23C	FIX		

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

Reconductored 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
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	440.2	279.7	439.0	100.3	252	1389-1880DCT	15C	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	439.7	265.5	439.0	100.2	252	1389-1880DCT	22C	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	439.5	274.6	439.0	100.1	248	1389-1880DCT	10C	FIX
73701 CRRA JCT 115	73703 ASHCREEK 115	1	LN	439.5	269.3	439.0	100.1	248	1389-1880DCT	18C	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	501.2	201.6	450.0	111.4	451	LONGMT5TSTK	25C	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	473.9	197.7	450.0	105.3	447	LONGMT5TSTK	21C	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	458.2	201.6	450.0	101.8	228	398LINE	25C	FIX
75053 NRTHPT P 138	75051 NRTHPRT1 138	1	TR	458.2	201.6	450.0	101.8	229	398LREAC	25C	FIX

Appendix F

Summary of Voltage Violations

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

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	10C	14C	18C	22C
3	11C	15C	19C	23C
4	12C	16C	20C	24C
5	13C	17C	21C	25C

SWCT Transmission Expansion:
East Shore to Norwalk 345 kV
Transmission Loading and Voltage Analysis, 387 Line Reconductor, ± 700 MW NE-NY

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

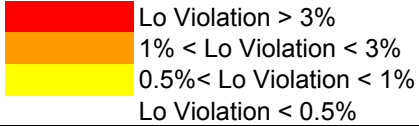
# Viols	The total number of violations for this bus <u>and</u> dispatch. If “ # Viols ” equals one, then the indicated contingency is the only one causing a violation for the indicated dispatch. If “ # Viols ” exceeds one, then it is the total number of contingencies causing a voltage violation, but none are more severe than the indicated contingency. To see all contingencies that cause voltage violations refer to the “ List of Voltage Violations ” table in this Appendix.
Worst Lo Vio	The value in the “ Worst Lo Vio ” column indicates the amount, in per-unit, that the bus voltage is <u>below</u> the low voltage criteria.
Worst Hi Vio	The value in the “ Worst Hi Vio ” column indicates the amount, in per-unit, that the bus voltage is <u>above</u> the high voltage criteria.
Dispatch	The ID used to identify the generation dispatch, as explained in the report.
Controls	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, 387 Line Reconductor, ± 700 MW NE-NY

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

Contingency Volt	The per-unit value of the bus voltage after the contingency.
Base Volt	The per-unit value of the bus voltage in the base case.
Low Limit	The per-unit value of the low voltage criteria.
Upp Limit	The per-unit value of the high voltage criteria.
Volt Drop	The per-unit criteria for a violation of voltage drop. Not used for this study.
Volt Rise	The per-unit criteria for a violation of voltage rise. Not used for this study.
Viol Type	<p>L = Contingency Volt is < low voltage limit (value in “Low Limit”) D = Contingency Volt is < voltage drop limit (value in “Volt Drop”) H = Contingency Volt is > high voltage limit (value in “Low Limit”) R = Contingency Volt is > voltage rise limit (value in “Volt Rise”)</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>
Dispatch	The ID used to identify the generation dispatch, as explained in the report.
Controls	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 10C - 25C



Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73684	ALLINGSA	115.0	701	185	2	0.055	460	SCOVKR8TSTK	-	-		14C	FIX
73684	ALLINGSA	115.0	701	185	1	0.044	460	SCOVKR8TSTK	-	-		17C	FIX
73685	ALLINGSB	115.0	701	185	2	0.055	460	SCOVKR8TSTK	-	-		14C	FIX
73685	ALLINGSB	115.0	701	185	1	0.044	460	SCOVKR8TSTK	-	-		17C	FIX
73706	ANSONIA	115.0	701	185	3	0.064	460	SCOVKR8TSTK	-	-		14C	FIX
73706	ANSONIA	115.0	701	185	1	0.054	460	SCOVKR8TSTK	-	-		17C	FIX
73714	ASHCREAC	115.0	701	185	1	0.002	460	SCOVKR8TSTK	-	-		14C	FIX
73703	ASHCREEK	115.0	701	185	1	0.002	460	SCOVKR8TSTK	-	-		14C	FIX
73694	BAIRD A	115.0	701	185	1	0.024	460	SCOVKR8TSTK	-	-		14C	FIX
73694	BAIRD A	115.0	701	185	1	0.015	460	SCOVKR8TSTK	-	-		17C	FIX
73695	BAIRD B	115.0	701	185	1	0.024	460	SCOVKR8TSTK	-	-		14C	FIX
73695	BAIRD B	115.0	701	185	1	0.015	460	SCOVKR8TSTK	-	-		17C	FIX
73186	BALDWINA	115.0	701	171	3	0.051	460	SCOVKR8TSTK	-	-		14C	FIX
73186	BALDWINA	115.0	701	171	1	0.039	460	SCOVKR8TSTK	-	-		17C	FIX
73160	BALDWINB	115.0	701	171	4	0.050	460	SCOVKR8TSTK	-	-		14C	FIX
73160	BALDWINB	115.0	701	171	3	0.046	248	1272-1721DCT	-	-		17C	FIX
73160	BALDWINB	115.0	701	171	2	0.040	248	1272-1721DCT	-	-		25C	FIX
73160	BALDWINB	115.0	701	171	2	0.036	244	1272-1721DCT	-	-		13C	FIX
73160	BALDWINB	115.0	701	171	2	0.034	244	1272-1721DCT	-	-		21C	FIX
73160	BALDWINB	115.0	701	171	1	0.028	248	1272-1721DCT	-	-		22C	FIX
73160	BALDWINB	115.0	701	171	1	0.023	244	1272-1721DCT	-	-		10C	FIX
73160	BALDWINB	115.0	701	171	1	0.023	244	1272-1721DCT	-	-		18C	FIX
73160	BALDWINB	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		11C	FIX
73160	BALDWINB	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		12C	FIX
73160	BALDWINB	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		15C	FIX
73160	BALDWINB	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		16C	FIX
73160	BALDWINB	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		23C	FIX
73160	BALDWINB	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		19C	FIX
73160	BALDWINB	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		20C	FIX
73160	BALDWINB	115.0	701	171	1	0.015	248	1272-1721DCT	-	-		24C	FIX

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

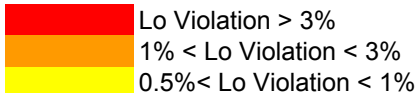
Lo Violation > 3%
 1% < Lo Violation < 3%
 0.5% < Lo Violation < 1%

Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73692	BARNUM A	115.0	701	185	1	0.028	460	SCOVKR8TSTK	-	-		14C	FIX
73692	BARNUM A	115.0	701	185	1	0.021	460	SCOVKR8TSTK	-	-		17C	FIX
73693	BARNUM B	115.0	701	185	1	0.028	460	SCOVKR8TSTK	-	-		14C	FIX
73693	BARNUM B	115.0	701	185	1	0.021	460	SCOVKR8TSTK	-	-		17C	FIX
73159	BATES RK	115.0	701	171	1	0.027	460	SCOVKR8TSTK	-	-		14C	FIX
73159	BATES RK	115.0	701	171	1	0.008	460	SCOVKR8TSTK	-	-		17C	FIX
73188	BCNFL PF	115.0	701	171	4	0.067	460	SCOVKR8TSTK	-	-		14C	FIX
73188	BCNFL PF	115.0	701	171	3	0.057	460	SCOVKR8TSTK	-	-		17C	FIX
73188	BCNFL PF	115.0	701	171	1	0.011	248	1272-1721DCT	-	-		25C	FIX
73188	BCNFL PF	115.0	701	171	1	0.006	244	1272-1721DCT	-	-		13C	FIX
73188	BCNFL PF	115.0	701	171	1	0.005	244	1272-1721DCT	-	-		21C	FIX
73175	BLACK RK	115.0	701	171	1	0.018	460	SCOVKR8TSTK	-	-		14C	FIX
73175	BLACK RK	115.0	701	171	1	0.008	460	SCOVKR8TSTK	-	-		17C	FIX
73272	BLRKHIA	115.0	701	171	1	0.016	460	SCOVKR8TSTK	-	-		14C	FIX
73272	BLRKHIA	115.0	701	171	1	0.007	460	SCOVKR8TSTK	-	-		17C	FIX
73273	BLRKHIB	115.0	701	171	1	0.007	460	SCOVKR8TSTK	-	-		14C	FIX
73231	BOKUM	115.0	701	171	1	0.042	460	SCOVKR8TSTK	-	-		14C	FIX
73231	BOKUM	115.0	701	171	4	0.035	460	SCOVKR8TSTK	-	-		17C	FIX
73287	BRANF RR	115.0	701	171	3	0.058	460	SCOVKR8TSTK	-	-		14C	FIX
73287	BRANF RR	115.0	701	171	2	0.044	460	SCOVKR8TSTK	-	-		17C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.004	332	BRANFORD4T	20C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.003	332	BRANFORD4T	12C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.003	332	BRANFORD4T	19C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.003	336	BRANFORD4T	24C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.002	332	BRANFORD4T	11C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.001	336	BRANFORD4T	16C	FIX
73153	BRANFORD	115.0	701	171	1	-	-		0.001	336	BRANFORD4T	23C	FIX
73153	BRANFORD	115.0	701	171	3	0.072	460	SCOVKR8TSTK	-	-		14C	FIX
73153	BRANFORD	115.0	701	171	2	0.059	460	SCOVKR8TSTK	-	-		17C	FIX
73233	BRISTOL	115.0	701	171	1	0.019	460	SCOVKR8TSTK	-	-		14C	FIX

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



Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73233	BRISTOL	115.0	701	171	1	0.009	460	SCOVRR8TSTK	-	-		17C	FIX
73678	BROADWAY	115.0	701	185	2	0.056	460	SCOVRR8TSTK	-	-		14C	FIX
73678	BROADWAY	115.0	701	185	1	0.042	460	SCOVRR8TSTK	-	-		17C	FIX
73147	BULLS BR	115.0	701	171	1	0.027	460	SCOVRR8TSTK	-	-		14C	FIX
73147	BULLS BR	115.0	701	171	1	0.010	460	SCOVRR8TSTK	-	-		17C	FIX
73185	BUNKER H	115.0	701	171	3	0.045	248	1272-1721DCT	-	-		17C	FIX
73185	BUNKER H	115.0	701	171	2	0.040	248	1272-1721DCT	-	-		25C	FIX
73185	BUNKER H	115.0	701	171	2	0.035	244	1272-1721DCT	-	-		13C	FIX
73185	BUNKER H	115.0	701	171	2	0.035	460	SCOVRR8TSTK	-	-		14C	FIX
73185	BUNKER H	115.0	701	171	2	0.034	244	1272-1721DCT	-	-		21C	FIX
73185	BUNKER H	115.0	701	171	1	0.027	248	1272-1721DCT	-	-		22C	FIX
73185	BUNKER H	115.0	701	171	1	0.023	244	1272-1721DCT	-	-		10C	FIX
73185	BUNKER H	115.0	701	171	1	0.022	244	1272-1721DCT	-	-		18C	FIX
73185	BUNKER H	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		12C	FIX
73185	BUNKER H	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		15C	FIX
73185	BUNKER H	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		16C	FIX
73185	BUNKER H	115.0	701	171	1	0.016	248	1272-1721DCT	-	-		23C	FIX
73185	BUNKER H	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		11C	FIX
73185	BUNKER H	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		19C	FIX
73185	BUNKER H	115.0	701	171	1	0.015	244	1272-1721DCT	-	-		20C	FIX
73185	BUNKER H	115.0	701	171	1	0.015	248	1272-1721DCT	-	-		24C	FIX
73203	CAMPV PH	115.0	701	171	1	0.020	460	SCOVRR8TSTK	-	-		14C	FIX
73203	CAMPV PH	115.0	701	171	1	0.012	460	SCOVRR8TSTK	-	-		17C	FIX
73211	CANAL	115.0	701	171	1	0.014	460	SCOVRR8TSTK	-	-		14C	FIX
73211	CANAL	115.0	701	171	1	0.004	460	SCOVRR8TSTK	-	-		17C	FIX
73180	CARMHILL	115.0	701	171	1	0.028	460	SCOVRR8TSTK	-	-		14C	FIX
73180	CARMHILL	115.0	701	171	1	0.014	460	SCOVRR8TSTK	-	-		17C	FIX
73235	CHIP HIL	115.0	701	171	1	0.022	460	SCOVRR8TSTK	-	-		14C	FIX
73235	CHIP HIL	115.0	701	171	1	0.013	460	SCOVRR8TSTK	-	-		17C	FIX
73234	CHIPP TP	115.0	701	171	1	0.018	460	SCOVRR8TSTK	-	-		14C	FIX

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

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

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73234	CHIPP TP	115.0	701	171	1	0.008	460	SCOVRR8TSTK	-	-		17C	FIX
73712	CNGRES2A	115.0	701	185	1	0.012	460	SCOVRR8TSTK	-	-		14C	FIX
73713	CNGRES2B	115.0	701	185	1	0.012	460	SCOVRR8TSTK	-	-		14C	FIX
73634	COLONY	115.0	701	179	1	0.023	460	SCOVRR8TSTK	-	-		14C	FIX
73634	COLONY	115.0	701	179	1	0.015	460	SCOVRR8TSTK	-	-		17C	FIX
73697	CONGRESS	115.0	701	185	1	0.018	401	PEQUON42TSTK	-	-		17C	FIX
73696	CONGRESS	115.0	701	185	1	0.012	460	SCOVRR8TSTK	-	-		14C	FIX
73697	CONGRESS	115.0	701	185	1	0.012	460	SCOVRR8TSTK	-	-		14C	FIX
73697	CONGRESS	115.0	701	185	1	0.009	401	PEQUON42TSTK	-	-		25C	FIX
73701	CRRA JCT	115.0	701	185	1	0.005	460	SCOVRR8TSTK	-	-		14C	FIX
73702	CRRA XFO	115.0	701	185	1	0.005	460	SCOVRR8TSTK	-	-		14C	FIX
73117	CTNY398	345.0	701	171	3	0.029	460	SCOVRR8TSTK	-	-		14C	FIX
73117	CTNY398	345.0	701	171	1	0.022	460	SCOVRR8TSTK	-	-		17C	FIX
73297	DEVON	345.0	701	171	3	0.074	460	SCOVRR8TSTK	-	-		14C	FIX
73297	DEVON	345.0	701	171	2	0.057	460	SCOVRR8TSTK	-	-		17C	FIX
73195	DEVON	115.0	701	171	1	0.031	460	SCOVRR8TSTK	-	-		14C	FIX
73195	DEVON	115.0	701	171	1	0.027	460	SCOVRR8TSTK	-	-		17C	FIX
73126	DEVON#2	115.0	701	171	1	0.033	460	SCOVRR8TSTK	-	-		14C	FIX
73126	DEVON#2	115.0	701	171	1	0.026	460	SCOVRR8TSTK	-	-		17C	FIX
73277	DEVON10	115.0	701	171	1	0.031	460	SCOVRR8TSTK	-	-		14C	FIX
73277	DEVON10	115.0	701	171	1	0.027	460	SCOVRR8TSTK	-	-		17C	FIX
73690	DEVON178	115.0	701	185	1	0.032	460	SCOVRR8TSTK	-	-		14C	FIX
73690	DEVON178	115.0	701	185	1	0.027	460	SCOVRR8TSTK	-	-		17C	FIX
73691	DEVON179	115.0	701	185	1	0.032	460	SCOVRR8TSTK	-	-		14C	FIX
73691	DEVON179	115.0	701	185	1	0.027	460	SCOVRR8TSTK	-	-		17C	FIX
73191	DRBY J A	115.0	701	171	3	0.053	460	SCOVRR8TSTK	-	-		14C	FIX
73191	DRBY J A	115.0	701	171	1	0.042	460	SCOVRR8TSTK	-	-		17C	FIX
73192	DRBY J B	115.0	701	171	3	0.060	460	SCOVRR8TSTK	-	-		14C	FIX
73192	DRBY J B	115.0	701	171	1	0.051	460	SCOVRR8TSTK	-	-		17C	FIX
73129	E.DEVONJ	115.0	701	171	1	0.029	460	SCOVRR8TSTK	-	-		14C	FIX

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

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

Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73129	E.DEVONJ	115.0	701	171	1	0.028	460	SCOVKR8TSTK	-	-		17C	FIX
73227	E.MERIDN	115.0	701	171	1	0.020	460	SCOVKR8TSTK	-	-		14C	FIX
73227	E.MERIDN	115.0	701	171	1	0.013	460	SCOVKR8TSTK	-	-		17C	FIX
73256	E.NBRITN	115.0	701	171	1	0.002	460	SCOVKR8TSTK	-	-		14C	FIX
73663	E.SHORE	345.0	701	185	3	0.085	460	SCOVKR8TSTK	-	-		14C	FIX
73663	E.SHORE	345.0	701	185	3	0.069	460	SCOVKR8TSTK	-	-		17C	FIX
73668	E.SHORE	115.0	701	185	1	0.049	460	SCOVKR8TSTK	-	-		14C	FIX
73668	E.SHORE	115.0	701	185	1	0.034	460	SCOVKR8TSTK	-	-		17C	FIX
73682	ELMWST A	115.0	701	185	5	0.056	460	SCOVKR8TSTK	-	-		14C	FIX
73682	ELMWST A	115.0	701	185	4	0.043	460	SCOVKR8TSTK	-	-		17C	FIX
73682	ELMWST A	115.0	701	185	3	0.023	377	GRNDV7TSTK	-	-		25C	FIX
73682	ELMWST A	115.0	701	185	3	0.017	377	GRNDV7TSTK	-	-		22C	FIX
73682	ELMWST A	115.0	701	185	2	0.004	373	GRNDV7TSTK	-	-		13C	FIX
73682	ELMWST A	115.0	701	185	2	0.003	373	GRNDV7TSTK	-	-		21C	FIX
73682	ELMWST A	115.0	701	185	2	0.001	440	WRIVER1TSTK	-	-		15C	FIX
73683	ELMWST B	115.0	701	185	5	0.056	460	SCOVKR8TSTK	-	-		14C	FIX
73683	ELMWST B	115.0	701	185	4	0.043	460	SCOVKR8TSTK	-	-		17C	FIX
73683	ELMWST B	115.0	701	185	3	0.025	374	GRNDV4TSTK	-	-		25C	FIX
73683	ELMWST B	115.0	701	185	3	0.019	374	GRNDV4TSTK	-	-		22C	FIX
73683	ELMWST B	115.0	701	185	3	0.006	370	GRNDV4TSTK	-	-		13C	FIX
73683	ELMWST B	115.0	701	185	3	0.005	370	GRNDV4TSTK	-	-		21C	FIX
73683	ELMWST B	115.0	701	185	2	0.003	441	WRIVER2TSTK	-	-		15C	FIX
73679	ENG STA	115.0	701	185	2	0.055	460	SCOVKR8TSTK	-	-		14C	FIX
73679	ENG STA	115.0	701	185	1	0.041	460	SCOVKR8TSTK	-	-		17C	FIX
73232	FORESTVL	115.0	701	171	1	0.016	460	SCOVKR8TSTK	-	-		14C	FIX
73232	FORESTVL	115.0	701	171	1	0.006	460	SCOVKR8TSTK	-	-		17C	FIX
73189	FREIGHT	115.0	701	171	2	0.047	248	1272-1721DCT	-	-		17C	FIX
73189	FREIGHT	115.0	701	171	1	0.042	248	1272-1721DCT	-	-		25C	FIX
73189	FREIGHT	115.0	701	171	1	0.037	244	1272-1721DCT	-	-		13C	FIX
73189	FREIGHT	115.0	701	171	1	0.036	244	1272-1721DCT	-	-		21C	FIX

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

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

Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73189	FREIGHT	115.0	701	171	2	0.033	460	SCOVKR8TSTK	-	-		14C	FIX
73189	FREIGHT	115.0	701	171	1	0.029	248	1272-1721DCT	-	-		22C	FIX
73189	FREIGHT	115.0	701	171	1	0.025	244	1272-1721DCT	-	-		10C	FIX
73189	FREIGHT	115.0	701	171	1	0.024	244	1272-1721DCT	-	-		18C	FIX
73189	FREIGHT	115.0	701	171	1	0.018	248	1272-1721DCT	-	-		15C	FIX
73189	FREIGHT	115.0	701	171	1	0.018	248	1272-1721DCT	-	-		16C	FIX
73189	FREIGHT	115.0	701	171	1	0.017	244	1272-1721DCT	-	-		11C	FIX
73189	FREIGHT	115.0	701	171	1	0.017	244	1272-1721DCT	-	-		12C	FIX
73189	FREIGHT	115.0	701	171	1	0.017	248	1272-1721DCT	-	-		23C	FIX
73189	FREIGHT	115.0	701	171	1	0.017	248	1272-1721DCT	-	-		24C	FIX
73189	FREIGHT	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		19C	FIX
73189	FREIGHT	115.0	701	171	1	0.016	244	1272-1721DCT	-	-		20C	FIX
73260	FRKLN DR	115.0	701	171	1	0.017	460	SCOVKR8TSTK	-	-		14C	FIX
73260	FRKLN DR	115.0	701	171	1	0.009	460	SCOVKR8TSTK	-	-		17C	FIX
73202	FROST BR	115.0	701	171	1	0.021	460	SCOVKR8TSTK	-	-		14C	FIX
73202	FROST BR	115.0	701	171	1	0.011	460	SCOVKR8TSTK	-	-		17C	FIX
73104	FRSTBDGE	345.0	701	171	3	0.055	460	SCOVKR8TSTK	-	-		14C	FIX
73104	FRSTBDGE	345.0	701	171	3	0.048	460	SCOVKR8TSTK	-	-		17C	FIX
73196	GLEN JCT	115.0	701	171	3	0.085	460	SCOVKR8TSTK	-	-		14C	FIX
73196	GLEN JCT	115.0	701	171	3	0.074	460	SCOVKR8TSTK	-	-		17C	FIX
73669	GRAND AV	115.0	701	185	2	0.055	460	SCOVKR8TSTK	-	-		14C	FIX
73669	GRAND AV	115.0	701	185	1	0.041	460	SCOVKR8TSTK	-	-		17C	FIX
73265	GREEN HL	115.0	701	171	3	0.087	460	SCOVKR8TSTK	-	-		14C	FIX
73265	GREEN HL	115.0	701	171	3	0.076	460	SCOVKR8TSTK	-	-		17C	FIX
73121	HADAUTO	345.0	701	171	1	0.015	460	SCOVKR8TSTK	-	-		14C	FIX
73121	HADAUTO	345.0	701	171	1	0.012	460	SCOVKR8TSTK	-	-		17C	FIX
73113	HADDM NK	345.0	701	171	1	0.001	460	SCOVKR8TSTK	-	-		14C	FIX
73197	HANOVERA	115.0	701	171	1	0.011	460	SCOVKR8TSTK	-	-		14C	FIX
73197	HANOVERA	115.0	701	171	1	0.001	460	SCOVKR8TSTK	-	-		17C	FIX
73182	HANOVERB	115.0	701	171	1	0.023	460	SCOVKR8TSTK	-	-		14C	FIX

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

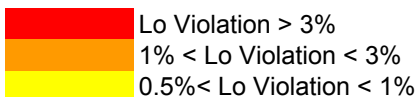
Lo Violation > 3%
 1% < Lo Violation < 3%
 0.5% < Lo Violation < 1%

Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73182	HANOVERB	115.0	701	171	1	0.015	460	SCOVRR8TSTK	-	-		17C	FIX
73711	HAWTH R	115.0	701	185	1	0.029	460	SCOVRR8TSTK	-	-		14C	FIX
73711	HAWTH R	115.0	701	185	1	0.011	460	SCOVRR8TSTK	-	-		17C	FIX
73710	HAWTHORN	115.0	701	185	1	0.018	460	SCOVRR8TSTK	-	-		14C	FIX
73705	IND.WELL	115.0	701	185	3	0.065	460	SCOVRR8TSTK	-	-		14C	FIX
73705	IND.WELL	115.0	701	185	1	0.056	460	SCOVRR8TSTK	-	-		17C	FIX
73707	JUNE ST	115.0	701	185	3	0.079	460	SCOVRR8TSTK	-	-		14C	FIX
73707	JUNE ST	115.0	701	185	3	0.070	460	SCOVRR8TSTK	-	-		17C	FIX
73105	LONG MTN	345.0	701	171	3	0.047	460	SCOVRR8TSTK	-	-		14C	FIX
73105	LONG MTN	345.0	701	171	1	0.037	460	SCOVRR8TSTK	-	-		17C	FIX
73193	LUCHJA90	115.0	701	171	1	0.009	460	SCOVRR8TSTK	-	-		14C	FIX
73184	LUCHJB55	115.0	701	171	1	0.022	460	SCOVRR8TSTK	-	-		14C	FIX
73184	LUCHJB55	115.0	701	171	1	0.013	460	SCOVRR8TSTK	-	-		17C	FIX
73122	MERID362	345.0	701	171	1	0.026	460	SCOVRR8TSTK	-	-		14C	FIX
73122	MERID362	345.0	701	171	1	0.023	460	SCOVRR8TSTK	-	-		17C	FIX
73268	MIDDLRIV	115.0	701	171	1	0.025	460	SCOVRR8TSTK	-	-		14C	FIX
73268	MIDDLRIV	115.0	701	171	1	0.006	460	SCOVRR8TSTK	-	-		17C	FIX
73125	MILFORD	115.0	701	171	1	0.028	460	SCOVRR8TSTK	-	-		14C	FIX
73125	MILFORD	115.0	701	171	1	0.028	460	SCOVRR8TSTK	-	-		17C	FIX
73676	MILL RVR	115.0	701	185	2	0.055	460	SCOVRR8TSTK	-	-		14C	FIX
73676	MILL RVR	115.0	701	185	1	0.041	460	SCOVRR8TSTK	-	-		17C	FIX
73688	MILVON A	115.0	701	185	1	0.038	460	SCOVRR8TSTK	-	-		14C	FIX
73688	MILVON A	115.0	701	185	1	0.032	460	SCOVRR8TSTK	-	-		17C	FIX
73689	MILVON B	115.0	701	185	1	0.038	460	SCOVRR8TSTK	-	-		14C	FIX
73689	MILVON B	115.0	701	185	1	0.032	460	SCOVRR8TSTK	-	-		17C	FIX
73675	MIX AVE	115.0	701	185	3	0.091	460	SCOVRR8TSTK	-	-		14C	FIX
73675	MIX AVE	115.0	701	185	3	0.079	460	SCOVRR8TSTK	-	-		17C	FIX
73194	NEWTOWN	115.0	701	171	1	0.036	460	SCOVRR8TSTK	-	-		14C	FIX
73194	NEWTOWN	115.0	701	171	1	0.020	460	SCOVRR8TSTK	-	-		17C	FIX
73665	NHHVDCL	192.0	701	185	3	-	-		0.000	453	SCOVRR4TSTK	20C	FIX

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



Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73671	NO.HAVEN	115.0	701	185	1	-	-		0.004	383	NOHAVN2TSTK	20C	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.002	383	NOHAVN2TSTK	12C	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.001	383	NOHAVN2TSTK	19C	FIX
73671	NO.HAVEN	115.0	701	185	1	-	-		0.001	387	NOHAVN2TSTK	24C	FIX
73671	NO.HAVEN	115.0	701	185	3	0.063	460	SCOVKR8TSTK	-	-		14C	FIX
73671	NO.HAVEN	115.0	701	185	1	0.050	460	SCOVKR8TSTK	-	-		17C	FIX
73633	NO.WALLF	115.0	701	179	1	0.022	460	SCOVKR8TSTK	-	-		14C	FIX
73633	NO.WALLF	115.0	701	179	1	0.014	460	SCOVKR8TSTK	-	-		17C	FIX
73201	NOERA	115.0	701	171	1	0.024	460	SCOVKR8TSTK	-	-		14C	FIX
73181	NOERA	115.0	701	171	1	0.023	460	SCOVKR8TSTK	-	-		14C	FIX
73201	NOERA	115.0	701	171	1	0.014	460	SCOVKR8TSTK	-	-		17C	FIX
73181	NOERA	115.0	701	171	1	0.013	460	SCOVKR8TSTK	-	-		17C	FIX
73200	NOERA JA	115.0	701	171	1	0.021	460	SCOVKR8TSTK	-	-		14C	FIX
73200	NOERA JA	115.0	701	171	1	0.011	460	SCOVKR8TSTK	-	-		17C	FIX
73205	NOERA JB	115.0	701	171	1	0.022	460	SCOVKR8TSTK	-	-		14C	FIX
73205	NOERA JB	115.0	701	171	1	0.012	460	SCOVKR8TSTK	-	-		17C	FIX
73293	NORWALK	345.0	701	171	3	0.071	460	SCOVKR8TSTK	-	-		14C	FIX
73293	NORWALK	345.0	701	171	1	0.051	460	SCOVKR8TSTK	-	-		17C	FIX
73292	NRWLK RX	115.0	701	171	1	0.005	460	SCOVKR8TSTK	-	-		14C	FIX
73709	OLD TOWN	115.0	701	185	1	0.029	460	SCOVKR8TSTK	-	-		14C	FIX
73709	OLD TOWN	115.0	701	185	1	0.014	460	SCOVKR8TSTK	-	-		17C	FIX
73371	ORANGE	345.0	701	185	3	0.084	460	SCOVKR8TSTK	-	-		14C	FIX
73371	ORANGE	345.0	701	185	3	0.067	460	SCOVKR8TSTK	-	-		17C	FIX
73174	PEACEABL	115.0	701	171	1	0.011	460	SCOVKR8TSTK	-	-		14C	FIX
73716	PEQBETAP	115.0	701	185	1	0.023	460	SCOVKR8TSTK	-	-		14C	FIX
73716	PEQBETAP	115.0	701	185	1	0.004	460	SCOVKR8TSTK	-	-		17C	FIX
73700	PEQUONIC	115.0	701	185	1	0.008	460	SCOVKR8TSTK	-	-		14C	FIX
73115	PLUMTREE	345.0	701	171	3	0.071	460	SCOVKR8TSTK	-	-		14C	FIX
73115	PLUMTREE	345.0	701	171	3	0.053	460	SCOVKR8TSTK	-	-		17C	FIX
73170	PLUMTREE	115.0	701	171	1	0.019	460	SCOVKR8TSTK	-	-		14C	FIX

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

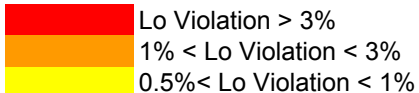
Lo Violation > 3%
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Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73170	PLUMTREE	115.0	701	171	1	0.000	460	SCOVRR8TSTK	-	-		17C	FIX
73670	QUINNIP	115.0	701	185	3	0.063	460	SCOVRR8TSTK	-	-		14C	FIX
73670	QUINNIP	115.0	701	185	1	0.049	460	SCOVRR8TSTK	-	-		17C	FIX
73143	RDGEFLDA	115.0	701	171	1	0.015	460	SCOVRR8TSTK	-	-		14C	FIX
73146	RDGEFLDB	115.0	701	171	1	0.015	460	SCOVRR8TSTK	-	-		14C	FIX
73155	RDGFLD J	115.0	701	171	1	0.011	460	SCOVRR8TSTK	-	-		14C	FIX
73206	RES RD J	115.0	701	171	1	0.006	460	SCOVRR8TSTK	-	-		14C	FIX
73280	RKRIV PF	115.0	701	171	1	0.024	460	SCOVRR8TSTK	-	-		14C	FIX
73280	RKRIV PF	115.0	701	171	1	0.007	460	SCOVRR8TSTK	-	-		17C	FIX
73190	ROCK RIV	115.0	701	171	1	0.024	460	SCOVRR8TSTK	-	-		14C	FIX
73190	ROCK RIV	115.0	701	171	1	0.007	460	SCOVRR8TSTK	-	-		17C	FIX
73672	SACKETT	115.0	701	185	3	0.066	460	SCOVRR8TSTK	-	-		14C	FIX
73672	SACKETT	115.0	701	185	1	0.052	460	SCOVRR8TSTK	-	-		17C	FIX
73673	SACKPHS	115.0	701	185	3	0.089	460	SCOVRR8TSTK	-	-		14C	FIX
73673	SACKPHS	115.0	701	185	3	0.077	460	SCOVRR8TSTK	-	-		17C	FIX
73154	SGTN B	115.0	701	171	1	0.004	460	SCOVRR8TSTK	-	-		14C	FIX
73127	SGTNB RX	115.0	701	171	1	0.009	460	SCOVRR8TSTK	-	-		14C	FIX
73128	SGTNB2 R	115.0	701	171	1	0.010	460	SCOVRR8TSTK	-	-		14C	FIX
73183	SHAWSHIL	115.0	701	171	1	0.028	460	SCOVRR8TSTK	-	-		14C	FIX
73183	SHAWSHIL	115.0	701	171	1	0.018	460	SCOVRR8TSTK	-	-		17C	FIX
73178	SHEPAUG	115.0	701	171	1	0.022	460	SCOVRR8TSTK	-	-		14C	FIX
73178	SHEPAUG	115.0	701	171	1	0.003	460	SCOVRR8TSTK	-	-		17C	FIX
73301	SINGER	345.0	701	186	3	0.073	460	SCOVRR8TSTK	-	-		14C	FIX
73301	SINGER	345.0	701	186	1	0.054	460	SCOVRR8TSTK	-	-		17C	FIX
73282	SNDYHK	115.0	701	171	1	0.042	460	SCOVRR8TSTK	-	-		14C	FIX
73282	SNDYHK	115.0	701	171	1	0.028	460	SCOVRR8TSTK	-	-		17C	FIX
73199	SO.NAUG	115.0	701	171	1	0.047	460	SCOVRR8TSTK	-	-		14C	FIX
73199	SO.NAUG	115.0	701	171	2	0.038	460	SCOVRR8TSTK	-	-		17C	FIX
73199	SO.NAUG	115.0	701	171	1	0.010	248	1272-1721DCT	-	-		25C	FIX
73199	SO.NAUG	115.0	701	171	1	0.006	244	1272-1721DCT	-	-		13C	FIX

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

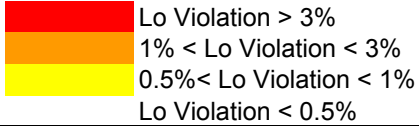


Sorted by bus, then low violation, then high violation

Lo Violation < 0.5%

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73199	SO.NAUG	115.0	701	171	1	0.004	244	1272-1721DCT	-	-		21C	FIX
73106	SOUTHGTN	345.0	701	171	1	0.039	460	SCOVKR8TSTK	-	-		14C	FIX
73106	SOUTHGTN	345.0	701	171	1	0.035	460	SCOVKR8TSTK	-	-		17C	FIX
73198	SOUTHGTN	115.0	701	171	1	0.011	460	SCOVKR8TSTK	-	-		14C	FIX
73198	SOUTHGTN	115.0	701	171	1	0.002	460	SCOVKR8TSTK	-	-		17C	FIX
73187	STEVENS	115.0	701	171	1	0.046	460	SCOVKR8TSTK	-	-		14C	FIX
73187	STEVENS	115.0	701	171	1	0.034	460	SCOVKR8TSTK	-	-		17C	FIX
73165	STONY HL	115.0	701	171	1	0.020	460	SCOVKR8TSTK	-	-		14C	FIX
73165	STONY HL	115.0	701	171	1	0.001	460	SCOVKR8TSTK	-	-		17C	FIX
1003	STONYCAP	115.0	701	171	1	0.020	460	SCOVKR8TSTK	-	-		14C	FIX
1003	STONYCAP	115.0	701	171	1	0.001	460	SCOVKR8TSTK	-	-		17C	FIX
73240	THOMASTN	115.0	701	171	1	0.023	460	SCOVKR8TSTK	-	-		14C	FIX
73240	THOMASTN	115.0	701	171	1	0.014	460	SCOVKR8TSTK	-	-		17C	FIX
73204	TODD	115.0	701	171	1	0.020	460	SCOVKR8TSTK	-	-		14C	FIX
73204	TODD	115.0	701	171	1	0.010	460	SCOVKR8TSTK	-	-		17C	FIX
73245	TORR TER	115.0	701	171	1	0.019	460	SCOVKR8TSTK	-	-		14C	FIX
73245	TORR TER	115.0	701	171	1	0.011	460	SCOVKR8TSTK	-	-		17C	FIX
73704	TRAP FLS	115.0	701	185	2	0.050	460	SCOVKR8TSTK	-	-		14C	FIX
73704	TRAP FLS	115.0	701	185	1	0.041	460	SCOVKR8TSTK	-	-		17C	FIX
73176	TRIANGLE	115.0	701	171	1	0.025	460	SCOVKR8TSTK	-	-		14C	FIX
73176	TRIANGLE	115.0	701	171	1	0.005	460	SCOVKR8TSTK	-	-		17C	FIX
73224	TRMB J A	115.0	701	171	1	0.022	460	SCOVKR8TSTK	-	-		14C	FIX
73224	TRMB J A	115.0	701	171	1	0.009	460	SCOVKR8TSTK	-	-		17C	FIX
73225	TRMB J B	115.0	701	171	1	0.026	460	SCOVKR8TSTK	-	-		14C	FIX
73225	TRMB J B	115.0	701	171	1	0.012	460	SCOVKR8TSTK	-	-		17C	FIX
73148	U.A.C.	115.0	701	171	1	0.010	460	SCOVKR8TSTK	-	-		14C	FIX
73148	U.A.C.	115.0	701	171	1	0.000	460	SCOVKR8TSTK	-	-		17C	FIX
73208	U.A.C.TP	115.0	701	171	1	0.010	460	SCOVKR8TSTK	-	-		14C	FIX
73208	U.A.C.TP	115.0	701	171	1	0.000	460	SCOVKR8TSTK	-	-		17C	FIX
73179	W.BRKFLD	115.0	701	171	1	0.025	460	SCOVKR8TSTK	-	-		14C	FIX

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



Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	WorstLo Vio	Ncon Lo	Cont Name Worst Lo	WorstHi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls
73179	W.BRKFLD	115.0	701	171	1	0.007	460	SCOVRR8TSTK	-	-		17C	FIX
73680	WATER ST	115.0	701	185	2	0.056	460	SCOVRR8TSTK	-	-		14C	FIX
73680	WATER ST	115.0	701	185	1	0.042	460	SCOVRR8TSTK	-	-		17C	FIX
73686	WDMONT A	115.0	701	185	1	0.050	460	SCOVRR8TSTK	-	-		14C	FIX
73686	WDMONT A	115.0	701	185	1	0.041	460	SCOVRR8TSTK	-	-		17C	FIX
73687	WDMONT B	115.0	701	185	1	0.050	460	SCOVRR8TSTK	-	-		14C	FIX
73687	WDMONT B	115.0	701	185	1	0.041	460	SCOVRR8TSTK	-	-		17C	FIX
73263	WEINGART	115.0	701	171	1	0.015	460	SCOVRR8TSTK	-	-		14C	FIX
73263	WEINGART	115.0	701	171	1	0.007	460	SCOVRR8TSTK	-	-		17C	FIX
73681	WEST RIV	115.0	701	185	2	0.056	460	SCOVRR8TSTK	-	-		14C	FIX
73681	WEST RIV	115.0	701	185	1	0.042	460	SCOVRR8TSTK	-	-		17C	FIX
73158	WESTON	115.0	701	171	1	0.017	460	SCOVRR8TSTK	-	-		14C	FIX
73631	WLNGF PF	115.0	701	179	3	0.059	460	SCOVRR8TSTK	-	-		14C	FIX
73631	WLNGF PF	115.0	701	179	1	0.047	460	SCOVRR8TSTK	-	-		17C	FIX

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

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	0.8448	1.0194	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73684	ALLINGSA	115.0	701	185	0.8565	1.0129	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73684	ALLINGSA	115.0	701	185	0.8976	1.0194	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73685	ALLINGSB	115.0	701	185	0.8448	1.0194	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73685	ALLINGSB	115.0	701	185	0.8565	1.0129	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73685	ALLINGSB	115.0	701	185	0.8975	1.0194	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73706	ANSONIA	115.0	701	185	0.8361	1.0022	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73706	ANSONIA	115.0	701	185	0.8461	0.9953	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73706	ANSONIA	115.0	701	185	0.8856	1.0022	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73706	ANSONIA	115.0	701	185	0.8869	1.0022	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73714	ASHCREAC	115.0	701	185	0.8978	1.0235	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73703	ASHCREEK	115.0	701	185	0.8977	1.0235	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73694	BAIRD A	115.0	701	185	0.8765	1.0241	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73694	BAIRD A	115.0	701	185	0.8854	1.0170	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73695	BAIRD B	115.0	701	185	0.8764	1.0241	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73695	BAIRD B	115.0	701	185	0.8854	1.0170	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73186	BALDWINA	115.0	701	171	0.8493	1.0064	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73186	BALDWINA	115.0	701	171	0.8611	1.0052	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73186	BALDWINA	115.0	701	171	0.8959	1.0064	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73186	BALDWINA	115.0	701	171	0.8962	1.0064	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73160	BALDWINB	115.0	701	171	0.8501	1.0046	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73160	BALDWINB	115.0	701	171	0.8544	1.0022	0.9000	1.0500	-	-	L	248	1272-1721DCT	17C	FIX
73160	BALDWINB	115.0	701	171	0.8597	1.0057	0.9000	1.0500	-	-	L	248	1272-1721DCT	25C	FIX
73160	BALDWINB	115.0	701	171	0.8601	1.0022	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73160	BALDWINB	115.0	701	171	0.8643	1.0056	0.9000	1.0500	-	-	L	244	1272-1721DCT	13C	FIX
73160	BALDWINB	115.0	701	171	0.8657	1.0085	0.9000	1.0500	-	-	L	244	1272-1721DCT	21C	FIX
73160	BALDWINB	115.0	701	171	0.8706	1.0046	0.9000	1.0500	-	-	L	248	1272-1721DCT	14C	FIX
73160	BALDWINB	115.0	701	171	0.8725	1.0068	0.9000	1.0500	-	-	L	248	1272-1721DCT	22C	FIX
73160	BALDWINB	115.0	701	171	0.8766	1.0074	0.9000	1.0500	-	-	L	244	1272-1721DCT	10C	FIX
73160	BALDWINB	115.0	701	171	0.8772	1.0091	0.9000	1.0500	-	-	L	244	1272-1721DCT	18C	FIX
73160	BALDWINB	115.0	701	171	0.8835	1.0073	0.9000	1.0500	-	-	L	248	1272-1721DCT	15C	FIX
73160	BALDWINB	115.0	701	171	0.8835	1.0050	0.9000	1.0500	-	-	L	248	1272-1721DCT	16C	FIX
73160	BALDWINB	115.0	701	171	0.8840	1.0092	0.9000	1.0500	-	-	L	248	1272-1721DCT	23C	FIX

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

H = High

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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	0.8841	1.0058	0.9000	1.0500	-	-	L	244	1272-1721DCT	12C	FIX
73160	BALDWINB	115.0	701	171	0.8843	1.0083	0.9000	1.0500	-	-	L	244	1272-1721DCT	11C	FIX
73160	BALDWINB	115.0	701	171	0.8846	1.0077	0.9000	1.0500	-	-	L	248	1272-1721DCT	24C	FIX
73160	BALDWINB	115.0	701	171	0.8849	1.0102	0.9000	1.0500	-	-	L	244	1272-1721DCT	19C	FIX
73160	BALDWINB	115.0	701	171	0.8851	1.0081	0.9000	1.0500	-	-	L	244	1272-1721DCT	20C	FIX
73160	BALDWINB	115.0	701	171	0.8895	1.0022	0.9000	1.0500	-	-	L	340	BUNKERH2T	17C	FIX
73160	BALDWINB	115.0	701	171	0.8916	1.0057	0.9000	1.0500	-	-	L	340	BUNKERH2T	25C	FIX
73160	BALDWINB	115.0	701	171	0.8955	1.0056	0.9000	1.0500	-	-	L	336	BUNKERH2T	13C	FIX
73160	BALDWINB	115.0	701	171	0.8968	1.0085	0.9000	1.0500	-	-	L	336	BUNKERH2T	21C	FIX
73160	BALDWINB	115.0	701	171	0.8979	1.0046	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73160	BALDWINB	115.0	701	171	0.8980	1.0046	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73164	BALDWNJA	115.0	701	171	0.8535	1.0099	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73164	BALDWNJA	115.0	701	171	0.8653	1.0087	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73692	BARNUM A	115.0	701	185	0.8723	1.0239	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73692	BARNUM A	115.0	701	185	0.8791	1.0145	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73693	BARNUM B	115.0	701	185	0.8723	1.0239	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73693	BARNUM B	115.0	701	185	0.8791	1.0145	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73159	BATES RK	115.0	701	171	0.8727	1.0059	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73159	BATES RK	115.0	701	171	0.8922	1.0063	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73188	BCNFL PF	115.0	701	171	0.8333	0.9963	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73188	BCNFL PF	115.0	701	171	0.8430	0.9919	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73188	BCNFL PF	115.0	701	171	0.8817	0.9963	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73188	BCNFL PF	115.0	701	171	0.8820	0.9963	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73188	BCNFL PF	115.0	701	171	0.8840	0.9919	0.9000	1.0500	-	-	L	248	1272-1721DCT	17C	FIX
73188	BCNFL PF	115.0	701	171	0.8893	0.9950	0.9000	1.0500	-	-	L	248	1272-1721DCT	25C	FIX
73188	BCNFL PF	115.0	701	171	0.8938	0.9958	0.9000	1.0500	-	-	L	244	1272-1721DCT	13C	FIX
73188	BCNFL PF	115.0	701	171	0.8951	0.9982	0.9000	1.0500	-	-	L	244	1272-1721DCT	21C	FIX
73188	BCNFL PF	115.0	701	171	0.8995	0.9963	0.9000	1.0500	-	-	L	248	1272-1721DCT	14C	FIX
73188	BCNFL PF	115.0	701	171	0.8997	0.9919	0.9000	1.0500	-	-	L	224	387LINE	17C	FIX
73175	BLACK RK	115.0	701	171	0.8819	1.0111	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73175	BLACK RK	115.0	701	171	0.8922	1.0150	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73272	BLRKHIA	115.0	701	171	0.8839	1.0153	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73272	BLRKHIA	115.0	701	171	0.8930	1.0180	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX

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

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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
73273	BLRKHIB	115.0	701	171	0.8931	1.0125	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73231	BOKUM	115.0	701	171	0.8578	1.0021	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73231	BOKUM	115.0	701	171	0.8655	1.0013	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73231	BOKUM	115.0	701	171	0.8969	1.0013	0.9000	1.0500	-	-	L	247	1261-1620DCT	17C	FIX
73231	BOKUM	115.0	701	171	0.8969	1.0013	0.9000	1.0500	-	-	L	331	BOKUM1T	17C	FIX
73231	BOKUM	115.0	701	171	0.8969	1.0013	0.9000	1.0500	-	-	L	380	HADDAMBT	17C	FIX
73287	BRANF RR	115.0	701	171	0.8423	1.0193	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73287	BRANF RR	115.0	701	171	0.8565	1.0160	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73287	BRANF RR	115.0	701	171	0.8711	1.0193	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73287	BRANF RR	115.0	701	171	0.8919	1.0160	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73287	BRANF RR	115.0	701	171	0.8953	1.0193	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73153	BRANFORD	115.0	701	171	0.8279	1.0137	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73153	BRANFORD	115.0	701	171	0.8413	1.0108	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73153	BRANFORD	115.0	701	171	0.8715	1.0137	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73153	BRANFORD	115.0	701	171	0.8819	1.0137	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73153	BRANFORD	115.0	701	171	0.8923	1.0108	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73153	BRANFORD	115.0	701	171	1.0508	1.0290	0.9000	1.0500	-	-	H	336	BRANFORD4T	23C	FIX
73153	BRANFORD	115.0	701	171	1.0513	1.0300	0.9000	1.0500	-	-	H	336	BRANFORD4T	16C	FIX
73153	BRANFORD	115.0	701	171	1.0519	1.0302	0.9000	1.0500	-	-	H	332	BRANFORD4T	11C	FIX
73153	BRANFORD	115.0	701	171	1.0526	1.0324	0.9000	1.0500	-	-	H	336	BRANFORD4T	24C	FIX
73153	BRANFORD	115.0	701	171	1.0531	1.0322	0.9000	1.0500	-	-	H	332	BRANFORD4T	19C	FIX
73153	BRANFORD	115.0	701	171	1.0532	1.0329	0.9000	1.0500	-	-	H	332	BRANFORD4T	12C	FIX
73153	BRANFORD	115.0	701	171	1.0539	1.0347	0.9000	1.0500	-	-	H	332	BRANFORD4T	20C	FIX
73233	BRISTOL	115.0	701	171	0.8813	1.0115	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73233	BRISTOL	115.0	701	171	0.8913	1.0146	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73678	BROADWAY	115.0	701	185	0.8440	1.0210	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73678	BROADWAY	115.0	701	185	0.8579	1.0166	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73678	BROADWAY	115.0	701	185	0.8972	1.0210	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73147	BULLS BR	115.0	701	171	0.8728	1.0148	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73147	BULLS BR	115.0	701	171	0.8896	1.0152	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73185	BUNKER H	115.0	701	171	0.8547	1.0126	0.9000	1.0500	-	-	L	248	1272-1721DCT	17C	FIX
73185	BUNKER H	115.0	701	171	0.8600	1.0162	0.9000	1.0500	-	-	L	248	1272-1721DCT	25C	FIX
73185	BUNKER H	115.0	701	171	0.8646	1.0158	0.9000	1.0500	-	-	L	244	1272-1721DCT	13C	FIX

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

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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
73185	BUNKER H	115.0	701	171	0.8647	1.0143	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73185	BUNKER H	115.0	701	171	0.8659	1.0189	0.9000	1.0500	-	-	L	244	1272-1721DCT	21C	FIX
73185	BUNKER H	115.0	701	171	0.8710	1.0143	0.9000	1.0500	-	-	L	248	1272-1721DCT	14C	FIX
73185	BUNKER H	115.0	701	171	0.8729	1.0166	0.9000	1.0500	-	-	L	248	1272-1721DCT	22C	FIX
73185	BUNKER H	115.0	701	171	0.8745	1.0126	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73185	BUNKER H	115.0	701	171	0.8770	1.0170	0.9000	1.0500	-	-	L	244	1272-1721DCT	10C	FIX
73185	BUNKER H	115.0	701	171	0.8776	1.0188	0.9000	1.0500	-	-	L	244	1272-1721DCT	18C	FIX
73185	BUNKER H	115.0	701	171	0.8837	1.0140	0.9000	1.0500	-	-	L	248	1272-1721DCT	16C	FIX
73185	BUNKER H	115.0	701	171	0.8838	1.0166	0.9000	1.0500	-	-	L	248	1272-1721DCT	15C	FIX
73185	BUNKER H	115.0	701	171	0.8842	1.0148	0.9000	1.0500	-	-	L	244	1272-1721DCT	12C	FIX
73185	BUNKER H	115.0	701	171	0.8843	1.0186	0.9000	1.0500	-	-	L	248	1272-1721DCT	23C	FIX
73185	BUNKER H	115.0	701	171	0.8845	1.0176	0.9000	1.0500	-	-	L	244	1272-1721DCT	11C	FIX
73185	BUNKER H	115.0	701	171	0.8847	1.0169	0.9000	1.0500	-	-	L	248	1272-1721DCT	24C	FIX
73185	BUNKER H	115.0	701	171	0.8851	1.0196	0.9000	1.0500	-	-	L	244	1272-1721DCT	19C	FIX
73185	BUNKER H	115.0	701	171	0.8852	1.0173	0.9000	1.0500	-	-	L	244	1272-1721DCT	20C	FIX
73185	BUNKER H	115.0	701	171	0.8916	1.0126	0.9000	1.0500	-	-	L	340	BUNKERH2T	17C	FIX
73185	BUNKER H	115.0	701	171	0.8937	1.0162	0.9000	1.0500	-	-	L	340	BUNKERH2T	25C	FIX
73185	BUNKER H	115.0	701	171	0.8975	1.0158	0.9000	1.0500	-	-	L	336	BUNKERH2T	13C	FIX
73185	BUNKER H	115.0	701	171	0.8988	1.0189	0.9000	1.0500	-	-	L	336	BUNKERH2T	21C	FIX
73203	CAMPV PH	115.0	701	171	0.8796	1.0123	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73203	CAMPV PH	115.0	701	171	0.8882	1.0130	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73211	CANAL	115.0	701	171	0.8859	1.0220	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73211	CANAL	115.0	701	171	0.8961	1.0239	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73180	CARMHILL	115.0	701	171	0.8725	1.0185	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73180	CARMHILL	115.0	701	171	0.8861	1.0186	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73235	CHIP HIL	115.0	701	171	0.8777	1.0092	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73235	CHIP HIL	115.0	701	171	0.8874	1.0116	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73234	CHIPP TP	115.0	701	171	0.8824	1.0126	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73234	CHIPP TP	115.0	701	171	0.8924	1.0156	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73712	CNGRES2A	115.0	701	185	0.8878	1.0253	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73713	CNGRES2B	115.0	701	185	0.8878	1.0253	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73634	COLONY	115.0	701	179	0.8768	1.0062	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73634	COLONY	115.0	701	179	0.8850	1.0081	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX

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

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73697	CONGRESS	115.0	701	185	0.8817	1.0240	0.9000	1.0500	-	-	L	401	PEQUON42TSTK	17C	FIX
73696	CONGRESS	115.0	701	185	0.8879	1.0253	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73697	CONGRESS	115.0	701	185	0.8879	1.0253	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73697	CONGRESS	115.0	701	185	0.8906	1.0242	0.9000	1.0500	-	-	L	401	PEQUON42TSTK	25C	FIX
73701	CRRA JCT	115.0	701	185	0.8947	1.0261	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73702	CRRA XFO	115.0	701	185	0.8954	1.0267	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73117	CTNY398	345.0	701	171	0.9208	1.0086	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73117	CTNY398	345.0	701	171	0.9275	1.0075	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73117	CTNY398	345.0	701	171	0.9490	1.0086	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73117	CTNY398	345.0	701	171	0.9491	1.0086	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73195	DEVON	115.0	701	171	0.8685	1.0242	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73195	DEVON	115.0	701	171	0.8728	1.0121	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73297	DEVON	345.0	701	171	0.8757	1.0125	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73297	DEVON	345.0	701	171	0.8933	1.0127	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73297	DEVON	345.0	701	171	0.9222	1.0125	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73297	DEVON	345.0	701	171	0.9250	1.0125	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73297	DEVON	345.0	701	171	0.9487	1.0127	0.9500	1.0500	-	-	L	224	387LINE	17C	FIX
73126	DEVON#2	115.0	701	171	0.8673	1.0182	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73126	DEVON#2	115.0	701	171	0.8742	1.0085	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73277	DEVON10	115.0	701	171	0.8685	1.0242	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73277	DEVON10	115.0	701	171	0.8728	1.0121	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73690	DEVON178	115.0	701	185	0.8684	1.0241	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73690	DEVON178	115.0	701	185	0.8729	1.0122	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73691	DEVON179	115.0	701	185	0.8684	1.0241	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73691	DEVON179	115.0	701	185	0.8729	1.0122	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73310	DEVSING1	345.0	701	171	0.8757	1.0125	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73191	DRBY J A	115.0	701	171	0.8472	1.0077	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73191	DRBY J A	115.0	701	171	0.8576	1.0016	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73191	DRBY J A	115.0	701	171	0.8957	1.0077	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73191	DRBY J A	115.0	701	171	0.8969	1.0077	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73192	DRBY J B	115.0	701	171	0.8399	1.0046	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73192	DRBY J B	115.0	701	171	0.8490	0.9972	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73192	DRBY J B	115.0	701	171	0.8891	1.0046	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX

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73192	DRBY J B	115.0	701	171	0.8904	1.0046	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73129	E.DEVONJ	115.0	701	171	0.8714	1.0214	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73129	E.DEVONJ	115.0	701	171	0.8724	1.0059	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73227	E.MERIDN	115.0	701	171	0.8796	1.0054	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73227	E.MERIDN	115.0	701	171	0.8871	1.0068	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73256	E.NBRITN	115.0	701	171	0.8978	0.9994	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73668	E.SHORE	115.0	701	185	0.8512	1.0226	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73663	E.SHORE	345.0	701	185	0.8650	1.0082	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73668	E.SHORE	115.0	701	185	0.8658	1.0190	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73663	E.SHORE	345.0	701	185	0.8814	1.0075	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73663	E.SHORE	345.0	701	185	0.9132	1.0082	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73663	E.SHORE	345.0	701	185	0.9170	1.0082	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73663	E.SHORE	345.0	701	185	0.9390	1.0075	0.9500	1.0500	-	-	L	224	387LINE	17C	FIX
73663	E.SHORE	345.0	701	185	0.9450	1.0075	0.9500	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73682	ELMWST A	115.0	701	185	0.8438	1.0198	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73682	ELMWST A	115.0	701	185	0.8565	1.0143	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73682	ELMWST A	115.0	701	185	0.8692	1.0143	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	17C	FIX
73682	ELMWST A	115.0	701	185	0.8718	1.0143	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	17C	FIX
73682	ELMWST A	115.0	701	185	0.8723	1.0143	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	17C	FIX
73682	ELMWST A	115.0	701	185	0.8735	1.0198	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	14C	FIX
73682	ELMWST A	115.0	701	185	0.8738	1.0198	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	14C	FIX
73682	ELMWST A	115.0	701	185	0.8767	1.0198	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	14C	FIX
73682	ELMWST A	115.0	701	185	0.8772	1.0180	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	25C	FIX
73682	ELMWST A	115.0	701	185	0.8776	1.0180	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	25C	FIX
73682	ELMWST A	115.0	701	185	0.8818	1.0180	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	25C	FIX
73682	ELMWST A	115.0	701	185	0.8828	1.0229	0.9000	1.0500	-	-	L	377	GRNDV7TSTK	22C	FIX
73682	ELMWST A	115.0	701	185	0.8830	1.0229	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	22C	FIX
73682	ELMWST A	115.0	701	185	0.8857	1.0229	0.9000	1.0500	-	-	L	376	GRNDV6TSTK	22C	FIX
73682	ELMWST A	115.0	701	185	0.8955	1.0277	0.9000	1.0500	-	-	L	373	GRNDV7TSTK	13C	FIX
73682	ELMWST A	115.0	701	185	0.8968	1.0198	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73682	ELMWST A	115.0	701	185	0.8969	1.0280	0.9000	1.0500	-	-	L	373	GRNDV7TSTK	21C	FIX
73682	ELMWST A	115.0	701	185	0.8970	1.0277	0.9000	1.0500	-	-	L	436	WRIVER1TSTK	13C	FIX
73682	ELMWST A	115.0	701	185	0.8981	1.0280	0.9000	1.0500	-	-	L	436	WRIVER1TSTK	21C	FIX

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73682	ELMWST A	115.0	701	185	0.8993	1.0287	0.9000	1.0500	-	-	L	440	WRIVER1TSTK	15C	FIX
73682	ELMWST A	115.0	701	185	0.8997	1.0287	0.9000	1.0500	-	-	L	377	GRNDAV7TSTK	15C	FIX
73683	ELMWST B	115.0	701	185	0.8438	1.0198	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73683	ELMWST B	115.0	701	185	0.8565	1.0143	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73683	ELMWST B	115.0	701	185	0.8667	1.0143	0.9000	1.0500	-	-	L	375	GRNDAV5TSTK	17C	FIX
73683	ELMWST B	115.0	701	185	0.8696	1.0143	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	17C	FIX
73683	ELMWST B	115.0	701	185	0.8701	1.0143	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	17C	FIX
73683	ELMWST B	115.0	701	185	0.8713	1.0198	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	14C	FIX
73683	ELMWST B	115.0	701	185	0.8716	1.0198	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	14C	FIX
73683	ELMWST B	115.0	701	185	0.8745	1.0198	0.9000	1.0500	-	-	L	375	GRNDAV5TSTK	14C	FIX
73683	ELMWST B	115.0	701	185	0.8750	1.0180	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	25C	FIX
73683	ELMWST B	115.0	701	185	0.8754	1.0180	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	25C	FIX
73683	ELMWST B	115.0	701	185	0.8797	1.0180	0.9000	1.0500	-	-	L	375	GRNDAV5TSTK	25C	FIX
73683	ELMWST B	115.0	701	185	0.8807	1.0229	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	22C	FIX
73683	ELMWST B	115.0	701	185	0.8809	1.0229	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	22C	FIX
73683	ELMWST B	115.0	701	185	0.8836	1.0229	0.9000	1.0500	-	-	L	375	GRNDAV5TSTK	22C	FIX
73683	ELMWST B	115.0	701	185	0.8936	1.0277	0.9000	1.0500	-	-	L	370	GRNDAV4TSTK	13C	FIX
73683	ELMWST B	115.0	701	185	0.8949	1.0280	0.9000	1.0500	-	-	L	370	GRNDAV4TSTK	21C	FIX
73683	ELMWST B	115.0	701	185	0.8950	1.0277	0.9000	1.0500	-	-	L	437	WRIVER2TSTK	13C	FIX
73683	ELMWST B	115.0	701	185	0.8962	1.0280	0.9000	1.0500	-	-	L	437	WRIVER2TSTK	21C	FIX
73683	ELMWST B	115.0	701	185	0.8968	1.0198	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73683	ELMWST B	115.0	701	185	0.8974	1.0287	0.9000	1.0500	-	-	L	441	WRIVER2TSTK	15C	FIX
73683	ELMWST B	115.0	701	185	0.8978	1.0287	0.9000	1.0500	-	-	L	374	GRNDAV4TSTK	15C	FIX
73683	ELMWST B	115.0	701	185	0.8987	1.0277	0.9000	1.0500	-	-	L	371	GRNDAV5TSTK	13C	FIX
73683	ELMWST B	115.0	701	185	0.8997	1.0280	0.9000	1.0500	-	-	L	371	GRNDAV5TSTK	21C	FIX
73679	ENG STA	115.0	701	185	0.8454	1.0215	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73679	ENG STA	115.0	701	185	0.8595	1.0173	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73679	ENG STA	115.0	701	185	0.8985	1.0215	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73232	FORESTVL	115.0	701	171	0.8835	1.0133	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73232	FORESTVL	115.0	701	171	0.8936	1.0163	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73189	FREIGHT	115.0	701	171	0.8531	1.0144	0.9000	1.0500	-	-	L	248	1272-1721DCT	17C	FIX
73189	FREIGHT	115.0	701	171	0.8585	1.0180	0.9000	1.0500	-	-	L	248	1272-1721DCT	25C	FIX
73189	FREIGHT	115.0	701	171	0.8630	1.0176	0.9000	1.0500	-	-	L	244	1272-1721DCT	13C	FIX

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73189	FREIGHT	115.0	701	171	0.8644	1.0207	0.9000	1.0500	-	-	L	244	1272-1721DCT	21C	FIX
73189	FREIGHT	115.0	701	171	0.8671	1.0158	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73189	FREIGHT	115.0	701	171	0.8695	1.0158	0.9000	1.0500	-	-	L	248	1272-1721DCT	14C	FIX
73189	FREIGHT	115.0	701	171	0.8714	1.0181	0.9000	1.0500	-	-	L	248	1272-1721DCT	22C	FIX
73189	FREIGHT	115.0	701	171	0.8755	1.0185	0.9000	1.0500	-	-	L	244	1272-1721DCT	10C	FIX
73189	FREIGHT	115.0	701	171	0.8761	1.0204	0.9000	1.0500	-	-	L	244	1272-1721DCT	18C	FIX
73189	FREIGHT	115.0	701	171	0.8770	1.0144	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73189	FREIGHT	115.0	701	171	0.8822	1.0156	0.9000	1.0500	-	-	L	248	1272-1721DCT	16C	FIX
73189	FREIGHT	115.0	701	171	0.8823	1.0182	0.9000	1.0500	-	-	L	248	1272-1721DCT	15C	FIX
73189	FREIGHT	115.0	701	171	0.8827	1.0165	0.9000	1.0500	-	-	L	244	1272-1721DCT	12C	FIX
73189	FREIGHT	115.0	701	171	0.8828	1.0202	0.9000	1.0500	-	-	L	248	1272-1721DCT	23C	FIX
73189	FREIGHT	115.0	701	171	0.8830	1.0192	0.9000	1.0500	-	-	L	244	1272-1721DCT	11C	FIX
73189	FREIGHT	115.0	701	171	0.8832	1.0186	0.9000	1.0500	-	-	L	248	1272-1721DCT	24C	FIX
73189	FREIGHT	115.0	701	171	0.8836	1.0213	0.9000	1.0500	-	-	L	244	1272-1721DCT	19C	FIX
73189	FREIGHT	115.0	701	171	0.8837	1.0191	0.9000	1.0500	-	-	L	244	1272-1721DCT	20C	FIX
73260	FRKLN DR	115.0	701	171	0.8827	1.0148	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73260	FRKLN DR	115.0	701	171	0.8910	1.0154	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73202	FROST BR	115.0	701	171	0.8790	1.0237	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73202	FROST BR	115.0	701	171	0.8890	1.0231	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73104	FRSTBDGE	345.0	701	171	0.8951	1.0201	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73104	FRSTBDGE	345.0	701	171	0.9020	1.0192	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73104	FRSTBDGE	345.0	701	171	0.9375	1.0201	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73104	FRSTBDGE	345.0	701	171	0.9380	1.0201	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73104	FRSTBDGE	345.0	701	171	0.9490	1.0192	0.9500	1.0500	-	-	L	224	387LINE	17C	FIX
73104	FRSTBDGE	345.0	701	171	0.9495	1.0192	0.9500	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73196	GLEN JCT	115.0	701	171	0.8149	1.0097	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73196	GLEN JCT	115.0	701	171	0.8257	1.0047	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73196	GLEN JCT	115.0	701	171	0.8686	1.0097	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73196	GLEN JCT	115.0	701	171	0.8705	1.0097	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73196	GLEN JCT	115.0	701	171	0.8898	1.0047	0.9000	1.0500	-	-	L	224	387LINE	17C	FIX
73196	GLEN JCT	115.0	701	171	0.8943	1.0047	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73669	GRAND AV	115.0	701	185	0.8451	1.0215	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73669	GRAND AV	115.0	701	185	0.8591	1.0172	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX

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

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73669	GRAND AV	115.0	701	185	0.8982	1.0215	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73265	GREEN HL	115.0	701	171	0.8132	0.9932	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73265	GREEN HL	115.0	701	171	0.8242	0.9913	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73265	GREEN HL	115.0	701	171	0.8668	0.9932	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73265	GREEN HL	115.0	701	171	0.8685	0.9932	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73265	GREEN HL	115.0	701	171	0.8855	0.9913	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73265	GREEN HL	115.0	701	171	0.8857	0.9913	0.9000	1.0500	-	-	L	224	387LINE	17C	FIX
73121	HADAUTO	345.0	701	171	0.9352	1.0205	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73121	HADAUTO	345.0	701	171	0.9383	1.0199	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73113	HADDM NK	345.0	701	171	0.9494	1.0313	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73197	HANOVERA	115.0	701	171	0.8892	1.0176	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73197	HANOVERA	115.0	701	171	0.8994	1.0215	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73182	HANOVERB	115.0	701	171	0.8769	1.0078	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73182	HANOVERB	115.0	701	171	0.8854	1.0101	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73711	HAWTH R	115.0	701	185	0.8715	1.0144	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73711	HAWTH R	115.0	701	185	0.8886	1.0116	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73710	HAWTHORN	115.0	701	185	0.8822	1.0170	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73705	IND.WELL	115.0	701	185	0.8347	1.0020	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73705	IND.WELL	115.0	701	185	0.8442	0.9947	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73705	IND.WELL	115.0	701	185	0.8843	1.0020	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73705	IND.WELL	115.0	701	185	0.8856	1.0020	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73707	JUNE ST	115.0	701	185	0.8206	1.0107	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73707	JUNE ST	115.0	701	185	0.8301	1.0042	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73707	JUNE ST	115.0	701	185	0.8739	1.0107	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73707	JUNE ST	115.0	701	185	0.8761	1.0107	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73707	JUNE ST	115.0	701	185	0.8941	1.0042	0.9000	1.0500	-	-	L	224	387LINE	17C	FIX
73707	JUNE ST	115.0	701	185	0.8987	1.0042	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73105	LONG MTN	345.0	701	171	0.9032	1.0090	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73105	LONG MTN	345.0	701	171	0.9132	1.0087	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73105	LONG MTN	345.0	701	171	0.9372	1.0090	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73105	LONG MTN	345.0	701	171	0.9374	1.0090	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73193	LUCHJA90	115.0	701	171	0.8907	1.0189	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73184	LUCHJB55	115.0	701	171	0.8784	1.0092	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX

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73184	LUCHJB55	115.0	701	171	0.8869	1.0114	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73122	MERID362	345.0	701	171	0.9235	1.0300	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73122	MERID362	345.0	701	171	0.9274	1.0300	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73268	MIDDLRIV	115.0	701	171	0.8746	1.0112	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73268	MIDDLRIV	115.0	701	171	0.8942	1.0118	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73125	MILFORD	115.0	701	171	0.8724	1.0223	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73125	MILFORD	115.0	701	171	0.8724	1.0059	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73676	MILL RVR	115.0	701	185	0.8448	1.0214	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73676	MILL RVR	115.0	701	185	0.8588	1.0171	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73676	MILL RVR	115.0	701	185	0.8979	1.0214	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73688	MILVON A	115.0	701	185	0.8624	1.0224	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73688	MILVON A	115.0	701	185	0.8682	1.0114	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73689	MILVON B	115.0	701	185	0.8624	1.0224	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73689	MILVON B	115.0	701	185	0.8682	1.0114	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73675	MIX AVE	115.0	701	185	0.8087	1.0097	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73675	MIX AVE	115.0	701	185	0.8209	1.0049	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73675	MIX AVE	115.0	701	185	0.8634	1.0097	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73675	MIX AVE	115.0	701	185	0.8660	1.0097	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73675	MIX AVE	115.0	701	185	0.8866	1.0049	0.9000	1.0500	-	-	L	224	387LINE	17C	FIX
73675	MIX AVE	115.0	701	185	0.8920	1.0049	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73194	NEWTOWN	115.0	701	171	0.8640	1.0097	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73194	NEWTOWN	115.0	701	171	0.8804	1.0086	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73671	NO.HAVEN	115.0	701	185	0.8370	1.0214	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73671	NO.HAVEN	115.0	701	185	0.8498	1.0185	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73671	NO.HAVEN	115.0	701	185	0.8890	1.0214	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73671	NO.HAVEN	115.0	701	185	0.8906	1.0214	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73671	NO.HAVEN	115.0	701	185	1.0511	1.0418	0.9000	1.0500	-	-	H	383	NOHAVN2TSTK	19C	FIX
73671	NO.HAVEN	115.0	701	185	1.0513	1.0415	0.9000	1.0500	-	-	H	387	NOHAVN2TSTK	24C	FIX
73671	NO.HAVEN	115.0	701	185	1.0523	1.0421	0.9000	1.0500	-	-	H	383	NOHAVN2TSTK	12C	FIX
73671	NO.HAVEN	115.0	701	185	1.0543	1.0432	0.9000	1.0500	-	-	H	383	NOHAVN2TSTK	20C	FIX
73633	NO.WALLF	115.0	701	179	0.8780	1.0053	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73633	NO.WALLF	115.0	701	179	0.8858	1.0069	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73201	NOERA	115.0	701	171	0.8762	1.0191	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX

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73181	NOERA	115.0	701	171	0.8770	1.0198	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73201	NOERA	115.0	701	171	0.8862	1.0193	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73181	NOERA	115.0	701	171	0.8871	1.0201	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73200	NOERA JA	115.0	701	171	0.8790	1.0214	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73200	NOERA JA	115.0	701	171	0.8890	1.0217	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73205	NOERA JB	115.0	701	171	0.8781	1.0208	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73205	NOERA JB	115.0	701	171	0.8882	1.0210	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73293	NORWALK	345.0	701	171	0.8786	1.0090	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73293	NORWALK	345.0	701	171	0.8986	1.0112	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73293	NORWALK	345.0	701	171	0.9238	1.0090	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73293	NORWALK	345.0	701	171	0.9261	1.0090	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73709	OLD TOWN	115.0	701	185	0.8706	1.0153	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73709	OLD TOWN	115.0	701	185	0.8862	1.0118	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73371	ORANGE	345.0	701	185	0.8663	1.0083	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73371	ORANGE	345.0	701	185	0.8829	1.0078	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73371	ORANGE	345.0	701	185	0.9144	1.0083	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73371	ORANGE	345.0	701	185	0.9181	1.0083	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73371	ORANGE	345.0	701	185	0.9403	1.0078	0.9500	1.0500	-	-	L	224	387LINE	17C	FIX
73371	ORANGE	345.0	701	185	0.9461	1.0078	0.9500	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73174	PEACEABL	115.0	701	171	0.8894	1.0156	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73716	PEQBETAP	115.0	701	185	0.8772	1.0118	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73716	PEQBETAP	115.0	701	185	0.8957	1.0127	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73700	PEQUONIC	115.0	701	185	0.8918	1.0260	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73115	PLUMTREE	345.0	701	171	0.8789	1.0040	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73170	PLUMTREE	115.0	701	171	0.8806	1.0161	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73115	PLUMTREE	345.0	701	171	0.8966	1.0056	0.9500	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73170	PLUMTREE	115.0	701	171	0.9000	1.0167	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73115	PLUMTREE	345.0	701	171	0.9215	1.0040	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73115	PLUMTREE	345.0	701	171	0.9228	1.0040	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73115	PLUMTREE	345.0	701	171	0.9466	1.0056	0.9500	1.0500	-	-	L	224	387LINE	17C	FIX
73115	PLUMTREE	345.0	701	171	0.9495	1.0056	0.9500	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73670	QUINNIP	115.0	701	185	0.8368	1.0193	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73670	QUINNIP	115.0	701	185	0.8509	1.0153	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX

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73670	QUINNIP	115.0	701	185	0.8905	1.0193	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73670	QUINNIP	115.0	701	185	0.8942	1.0193	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73143	RDGEFLDA	115.0	701	171	0.8853	1.0120	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73146	RDGEFLDB	115.0	701	171	0.8851	1.0121	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73155	RDGFLD J	115.0	701	171	0.8891	1.0155	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73206	RES RD J	115.0	701	171	0.8945	1.0134	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73280	RKRIV PF	115.0	701	171	0.8761	1.0178	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73280	RKRIV PF	115.0	701	171	0.8929	1.0181	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73190	ROCK RIV	115.0	701	171	0.8761	1.0178	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73190	ROCK RIV	115.0	701	171	0.8929	1.0181	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73672	SACKETT	115.0	701	185	0.8342	1.0224	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73672	SACKETT	115.0	701	185	0.8479	1.0178	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73672	SACKETT	115.0	701	185	0.8887	1.0224	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73672	SACKETT	115.0	701	185	0.8936	1.0224	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73673	SACKPHS	115.0	701	185	0.8107	1.0113	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73673	SACKPHS	115.0	701	185	0.8231	1.0066	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73673	SACKPHS	115.0	701	185	0.8654	1.0113	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73673	SACKPHS	115.0	701	185	0.8681	1.0113	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73673	SACKPHS	115.0	701	185	0.8888	1.0066	0.9000	1.0500	-	-	L	224	387LINE	17C	FIX
73673	SACKPHS	115.0	701	185	0.8943	1.0066	0.9000	1.0500	-	-	L	295	1460-387DCT	17C	FIX
73154	SGTN B	115.0	701	171	0.8958	1.0233	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73127	SGTNB RX	115.0	701	171	0.8908	1.0239	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73128	SGTNB2 R	115.0	701	171	0.8904	1.0237	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73183	SHAWSHIL	115.0	701	171	0.8716	1.0188	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73183	SHAWSHIL	115.0	701	171	0.8815	1.0178	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73178	SHEPAUG	115.0	701	171	0.8779	1.0121	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73178	SHEPAUG	115.0	701	171	0.8972	1.0126	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73301	SINGER	345.0	701	186	0.8772	1.0118	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73301	SINGER	345.0	701	186	0.8957	1.0127	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73301	SINGER	345.0	701	186	0.9234	1.0118	0.9500	1.0500	-	-	L	224	387LINE	14C	FIX
73301	SINGER	345.0	701	186	0.9259	1.0118	0.9500	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73282	SNDYHK	115.0	701	171	0.8576	1.0089	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73282	SNDYHK	115.0	701	171	0.8720	1.0067	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX

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

H = High

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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
73199	SO.NAUG	115.0	701	171	0.8535	1.0075	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73199	SO.NAUG	115.0	701	171	0.8624	1.0029	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73199	SO.NAUG	115.0	701	171	0.8851	1.0029	0.9000	1.0500	-	-	L	248	1272-1721DCT	17C	FIX
73199	SO.NAUG	115.0	701	171	0.8903	1.0058	0.9000	1.0500	-	-	L	248	1272-1721DCT	25C	FIX
73199	SO.NAUG	115.0	701	171	0.8944	1.0063	0.9000	1.0500	-	-	L	244	1272-1721DCT	13C	FIX
73199	SO.NAUG	115.0	701	171	0.8957	1.0086	0.9000	1.0500	-	-	L	244	1272-1721DCT	21C	FIX
73198	SOUTHGTN	115.0	701	171	0.8890	1.0210	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73198	SOUTHGTN	115.0	701	171	0.8981	1.0238	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73106	SOUTHGTN	345.0	701	171	0.9108	1.0255	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73106	SOUTHGTN	345.0	701	171	0.9150	1.0246	0.9500	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73187	STEVENS	115.0	701	171	0.8537	1.0089	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73187	STEVENS	115.0	701	171	0.8664	1.0059	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73165	STONY HL	115.0	701	171	0.8797	1.0154	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73165	STONY HL	115.0	701	171	0.8989	1.0159	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
1003	STONYCAP	115.0	701	171	0.8797	1.0154	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
1003	STONYCAP	115.0	701	171	0.8989	1.0159	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73240	THOMASTN	115.0	701	171	0.8765	1.0090	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73240	THOMASTN	115.0	701	171	0.8857	1.0105	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73204	TODD	115.0	701	171	0.8797	1.0204	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73204	TODD	115.0	701	171	0.8898	1.0212	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73245	TORR TER	115.0	701	171	0.8807	1.0136	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73245	TORR TER	115.0	701	171	0.8892	1.0142	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73704	TRAP FLS	115.0	701	185	0.8501	1.0098	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73704	TRAP FLS	115.0	701	185	0.8591	1.0020	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73704	TRAP FLS	115.0	701	185	0.8990	1.0098	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73176	TRIANGLE	115.0	701	171	0.8754	1.0118	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73176	TRIANGLE	115.0	701	171	0.8949	1.0124	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73224	TRMB J A	115.0	701	171	0.8777	1.0197	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73224	TRMB J A	115.0	701	171	0.8908	1.0157	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73225	TRMB J B	115.0	701	171	0.8744	1.0182	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73225	TRMB J B	115.0	701	171	0.8880	1.0144	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	17C	FIX
73148	U.A.C.	115.0	701	171	0.8899	1.0185	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	FIX
73208	U.A.C.TP	115.0	701	171	0.8899	1.0185	0.9000	1.0500	-	-	L	460	SCOVKR8TSTK	14C	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
73179	W.BRKFLD	115.0	701	171	0.8750	1.0135	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73179	W.BRKFLD	115.0	701	171	0.8934	1.0139	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73632	WALLFRDJ	115.0	701	179	0.8391	1.0194	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73632	WALLFRDJ	115.0	701	179	0.8512	1.0168	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73632	WALLFRDJ	115.0	701	179	0.8915	1.0194	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73632	WALLFRDJ	115.0	701	179	0.8920	1.0194	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73680	WATER ST	115.0	701	185	0.8442	1.0211	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73680	WATER ST	115.0	701	185	0.8581	1.0166	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73680	WATER ST	115.0	701	185	0.8974	1.0211	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73686	WDMONT A	115.0	701	185	0.8497	1.0197	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73686	WDMONT A	115.0	701	185	0.8592	1.0114	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73687	WDMONT B	115.0	701	185	0.8497	1.0197	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73687	WDMONT B	115.0	701	185	0.8592	1.0114	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73263	WEINGART	115.0	701	171	0.8850	1.0136	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73263	WEINGART	115.0	701	171	0.8929	1.0142	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73681	WEST RIV	115.0	701	185	0.8445	1.0208	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73681	WEST RIV	115.0	701	185	0.8580	1.0161	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73681	WEST RIV	115.0	701	185	0.8976	1.0208	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX
73158	WESTON	115.0	701	171	0.8825	1.0125	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73631	WLNGF PF	115.0	701	179	0.8409	1.0192	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	14C	FIX
73631	WLNGF PF	115.0	701	179	0.8527	1.0166	0.9000	1.0500	-	-	L	460	SCOVK8TSTK	17C	FIX
73631	WLNGF PF	115.0	701	179	0.8932	1.0192	0.9000	1.0500	-	-	L	295	1460-387DCT	14C	FIX
73631	WLNGF PF	115.0	701	179	0.8936	1.0192	0.9000	1.0500	-	-	L	224	387LINE	14C	FIX